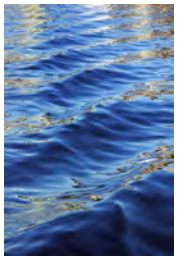
Attachment 4.a

Construction and Post-Construction Training Presentation Slides

MĀLAMA I KE AWA KAI
PROTECT OUR HARBOR WATERS



HDOT Harbors Construction and Post-Construction Training



Regulatory Background

- **Federal**
  - Clean Water Act
  - Code of Federal Regulations, Title 40, Part 122
- **State of Hawaii, Department of Health**
  - Hawaii Administrative Rules, HAR 11-54 and 11-55
  - Hawaii Revise Statutes, HRS 342 D
- **State of Hawaii, Department of Transportation, Harbors Division**
  - Honolulu Harbor permit no. **HI 03KB482**
  - Kalaeloa Barbers Point Harbor permit no. **HI 03KB488**
  - Kahului Harbor permit no. **HI 14KE674**

Introduction: Environmental Protection

- To be good stewards of the environment.
  - For our own use.
  - For the local economy (e.g. tourism, fishing).
  - To protect the environment.
    - Coral reefs are sensitive to pollution.
    - Endemic species (found only in Hawaii).



MS4 Permit Requirements

- The Stormwater Management Plan (SWMP) details how HDOT Harbors will comply with the permit:
  - Public Outreach and Education
  - Public Involvement and Participation
  - Illicit Discharge Detection & Elimination
  - **Construction Site Runoff Control**
  - **Post-Construction Stormwater Management for New Development and Redevelopment**
  - Pollution Prevention / Good Housekeeping.

Introduction: Environmental Protection

November 2014: Department of Transportation entered into a second Consent Decree with DOJ/EPA/DOH



Consent Decree available on Harbors website:

http://hidot.hawaii.gov/harbors/files/2013/01/Consent-Decree.pdf

Stormwater Management Plan

- The updated SWMP is available online:
  - http://hidot.hawaii.gov/harbors/malamaikeawakai/
- Details procedures for complying with requirements of the Consent Decree and HAR 11-55, App K.
- Comments are appreciated.

Training and Outreach Requirement

- Classroom Training:
  - General Program Management.
  - Construction Site BMP Inspections.
    - Conduct at least 3 construction site inspections.
  - Annual Refresher.



Defining Construction

- Construction:
  - Activities that result in land disturbance, including, but not limited to clearing, grading, and excavation.
  - Construction support activities, including:
    - Stockpiles
    - Borrow areas
    - Staging areas



Training and Outreach Requirement (cont.)

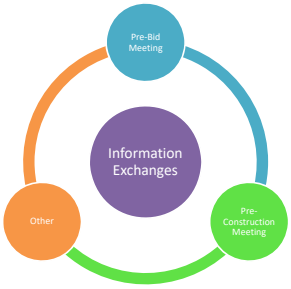
- Compliance with **HDOH NPDES program** for construction:
  - **Statewide:** All construction projects that disturb 1 acre or more of land.
  - **Statewide:** All construction projects that disturb less than 1 acre but are part of a larger common plan of development.
- Compliance with **HDOT Harbors Construction Site Runoff Control Program**:
  - **Oahu and Maui:** All construction projects regardless of size, unless exempted.
- Compliance with **HDOT Harbors Post-Construction Stormwater Management Program**:
  - **Oahu and Maui:** Construction projects disturbing one acre or more of land area, unless exempted.

Defining Land Disturbance



- Land Disturbance:
  - Penetration, turning, or moving of soil.
  - Resurfacing of pavement where the ground is exposed.
  - Grubbing where equipment is used to uproot vegetation.
  - Does NOT include:
    - Grass or weed cutting.
    - Bush or tree trimming that leaves the soil intact.

Training & Outreach Requirement (cont.)



Stormwater Discharges



- Stormwater can carry pollutants generated during outdoor activities to the nearest storm drains or waterways.
- Stormwater is usually **not** treated before it is discharged to the Municipal Separate Storm Sewer System (MS4) or the adjoining harbors.
- It is vital to control and manage potential source of pollutants **before** they enter the storm drainage system.

What is an MS4?



- An MS4 is the drainage system that conveys stormwater to the receiving water body, including:
  - Storm drain inlets, catch basins, and manholes.
  - Channels / canals.
  - Underground pipeline.
  - Outfalls.
- MS4s are classified based on population size or those located in an urbanized area as defined by the Bureau of Census.

Potential Pollutant: Sediment

- Erosion:
  - Process by which the land surface is worn away by the action of water or wind.



- Sedimentation:
  - Movement and settling out of suspended soil particles.



Definition of Illicit Discharge

- Non-stormwater discharge that poses a risk to the environment.



Only Rain in the Storm Drain!

Impacts from Construction Activities

Sedimentation

Unstabilized Construction Site



Between **35-45 tons** of sediment per acre each year.

VS

Forested Land / Grassy Areas



Approximately **1 ton** of sediment per acre each year.

Common Pollutants

Vehicle Fluids



Aggregate



Littering



Chemicals



Sediment



Portable Toilet

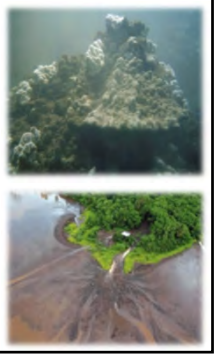


Washouts



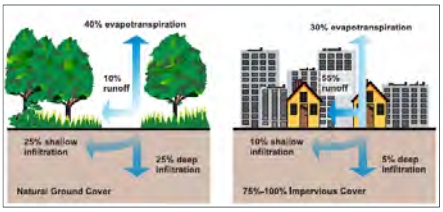
Construction Impacts to Stormwater

- Increase flooding
- Excess nutrients cause algae growth
- Sediment causes waters to become turbid which prevents sunlight from reaching vegetation while also reducing oxygen levels.
- Fish quality of life



Post-Construction Impacts

Construction Activities → Increased Impervious Surface → Increased Stormwater Runoff → Increased Pollutant Discharge



Source: EPA 841-F-03-003

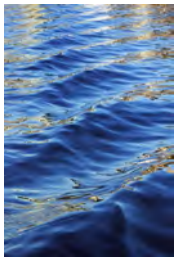
NPDES Construction Program Requirements

- Submit a Notice of Intent (NOI) Form C and develop a Stormwater Pollution Prevention Plan (SWPPP) **30** days prior to the start of activities.
- Notify the HDOH **7** days prior to start.
- Train personnel on BMPs.
- Install, inspect, and repair BMPs as necessary.
- Update SWPPP and maintain on-site.
- Submit a Notice of Cessation when area has been stabilized.

MĀLAMA I KE AWA KAI
PROTECT OUR HARBOR WATERS



NPDES Program Requirements for Construction Activities



HAR 11-55 – App C

- NOI to be submitted via e-permitting website.
- Permittee must complete and keep on-site:
  - o SWPPP.
  - o Record of changes to the SWPPP (complete in 7 days).
  - o **Monthly compliance reports.**
  - o BMP Inspection reports (within 48 hours).
  - o Corrective action reports (start within 24 hours and finish with 7 days).
- All documents must be signed by the owner or its duly authorized representative.

What is NPDES?

- The Clean Water Act includes the **National Pollutant Discharge Elimination System (NPDES) program** to regulate the discharge of pollutants from point sources to waters of the United States. Permitted discharges by HDOH:
  - Hawaii Administrative Rules (HAR) 11-55:
    - **Appendix C: Construction**
      - Includes sites that disturb **1 acre or more**.
      - Includes sites smaller than one acre that are part of a larger common plan of development.

HAR 11-55 – App C SWPPP Requirements

- SWPPP must include:
  - **Personnel on the stormwater team**.
  - Contractor and sub-contractor information.
  - Nature and sequence of construction activities.
  - Description of sources of non-stormwater.
  - Potential sources of stormwater pollution and measures to reduce or eliminate.
  - Description of buffer option implemented.
  - **Description stabilization practices and post-construction BMPs.**
  - Inspection, maintenance, and corrective action procedures.
  - Training documentation.
  - NGPC and other permits.
  - Documentation of UIC well requirements, if applicable.



HAR 11-55 – App C SWPPP Requirements

- SWPPP must include a site map:
  - Locations of earth-disturbing activities.
  - Topography including slopes before and after grading.
  - Stockpiles locations.
  - Contaminated soils.
  - Direction of discharge to state waters and other drainage systems (Harbors small MS4).
  - Entry/exit points.
  - Structures and impervious surfaces.
  - Staging area.
  - **Boundary lines of buffer areas.**
  - Potential pollutant activities and storage areas.
  - All BMPs.

HAR 11-55 – App C



- **Corrective Actions:**
  - Only for actions to **stop or prevent** a violation of water quality (HAR 11-54).
  - Fix the problem immediately (start the same day).
  - Significant repairs – complete within 7 days.
- Corrective Action Report:
  - Within **24 hours**: condition identified, date, time, and how it was identified.
  - Within **7 days:** follow-up actions taken, summary of BMP modifications.

HAR 11-55 – App C

- Natural Buffers:
  - Required when a state water is within 50 feet of ground disturbance.
  - Options:
    - Maintain a 50-foot undisturbed vegetated buffer.
    - If the buffer is less than 50 feet, also provide a double sediment control spaced 5 feet apart.
    - If there is no buffer, maintain a double sediment control spaced 5 feet apart and complete stabilization within 7 calendar days.
  - Delineate with flags, tape, or other marking.



HAR 11-55 – App C



- Stabilization is required:
  - Immediately (by next day) whenever earth disturbing activities have ceased.
    - Temporarily ceased means no activities within **14 calendar days** or more.
  - Deadline for completion: ASAP but no later than **14 calendar days** after initiation.
  - Deadline for sites discharging to impaired waters: **7 calendar days** from the temporary or permanent cessation of earth disturbance.

HAR 11-55 – App C

- Contractor Self-Inspection frequency:
  - For sites that are discharging to non-impaired waters:
    - At least once every 7 days; **AND**
    - Within 24 hours of a 0.25 inch rain event and prolonged rain events.
      - Keep a rain gauge on-site!
  - For sites that do NOT discharge to impaired waters (e.g. Honolulu Harbor):
    - At least once every 7 days; **OR**
    - Every 14 days with additional inspections conducted 24 hours of any rain event of 0.25 inches or more within a 24-hour period.
      - Keep a rain gauge on-site!
  - Conducted by a qualified person.

HAR 11-55 – App C

- Types of initiation of stabilization:
  - Prepping the soil for vegetation or non-vegetation stabilization.
  - Applying mulch.
  - Seeding and planting.
  - Making the arrangements for stabilization.
- Criteria for stabilization:

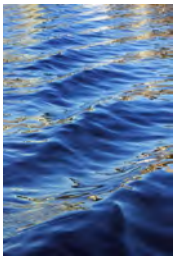


  - Vegetation evenly distributed that provides **70%** or more of density that was previously there.
  - Non-vegetative controls (e.g. pavement).

MĀLAMA I KE AWA KAI
PROTECT OUR
HARBOR WATERS



HDOT Harbors Construction Process



Exempted Projects

- Minor land disturbance on a single lot (e.g., minor landscaping activities).
- Post, pole, sign, and fencing installation.
- Utility repair work.
- Parking lot, driveway, and other paved surface repair.
- Repair and maintenance activities.





Harbors Construction Process

Project Scoped (Determine Environmental Requirements)

Pre-Design Meeting (*Not a requirement for tenants.)

Permits, Construction, PSMP, and Post-Construction Checklists

Project Review

Contractor Self Inspections

Initial Inspection

Regular Inspections

Final Inspection

Enforcement Actions

Permanent BMPs

Long Term BMP O&M

Design Review Checklist



Construction Site Design Review Checklist

Project Description

Signature and Certifications

Designer: I certify that the design is complete, accurate, and addresses the items on this checklist to the best of my knowledge.

Print Name: Job Title:

Signature: Date:

Review: HDOT Harbors Project Manager and Environmental Section.

Harbors Project Manager Signature: Print Name: Date:

Harbors Environmental Section Signature: Print Name: Date:

Design Review

- Pre-Design Meeting.
- Documentation:
  - Notification Form for Project Less Than One Acre with BMP plan.
  - Drainage connection or discharge permit.

OR

  - Construction Design Review Checklist.
  - Completed NPDES applications.
  - Drainage connection or discharge permit.
  - Construction BMP plan sheets and details.
  - Stormwater Pollution Prevention Plan.

Construction Review

- Project review after contract award:
  - Contractor completes Stormwater Pollution Prevention Plan and provides to the Harbors Project Manager (PM).
  - PM will submit to Environmental Section (HAR-EE).
  - HAR-EE will send their comments to the PM through memorandum.
  - Harbors Division will issue Notice to Proceed letter to the contractor, specifying:
    - First work order is the installation of BMPs.
    - BMPs must be inspected prior to the start of any other work.
  - HAR-EE maintains an inventory of construction sites.

Review BMP Plan

- When conducting a BMP plan review:
  - Identify location and size.
  - Identify where storm water will flow.
    - Identify waterways (e.g. coastline, canals) and storm drains.
    - Identify topography.
    - Identify ground cover and soil type.
  - Identify locations of potential pollutants.
    - Land disturbance activities.
    - Staging areas.
    - Non-storm water.

Review SWPPP

- If greater than or equal to 1 acre, determine whether BMPs adequately address potential pollutants and the requirements of HAR 11-55-C.
  - SWPPP should be based on expected amount, frequency, intensity, and duration of rain events in the area. (Typically: 2 yr, 24 hr storm).
  - Refer to the Storm Water BMP Manual for Construction.

Review BMP Plan (Cont.)

- Determine the scheduling / phasing.
  - Is the main land disturbance activity planned for the dry season (i.e., Apr – Sep)?
  - Have there been efforts to minimize the disturbed area?
- Responsible parties.
  - Does the Stormwater Pollution Prevention Plan include the names or titles of parties responsible for:
    - Inspections?
    - Maintenance?
    - Recordkeeping?
    - Rain gauge monitoring?
    - Incident reporting?

Construction Best Management Practice

- Practice or device used to mitigate the discharge of potential stormwater pollutants during Construction Phase.



Review BMP Plan (Cont.)

- Have potential pollutants been addressed via BAT / BCT?
- Ensure there is a plan for final stabilization.
- Does the design include permanent BMP?
  - Non-exempt projects one acre and larger.
  - Does the project include LID?
  - How is ongoing maintenance addressed in the plan?
- Have the necessary permits been applied for?

Consent Decree Requirements

- Use the City and County of Honolulu Stormwater BMP Manual – Construction. When applicable, all projects should include:

Erosion Controls	Scheduling
	Preservation of Existing Vegetation
	Slope Protection
	Run-on Diversion
Sediment Controls	Silt Fence
	Storm Drain Inlet Protection
	Sand Bag Barrier
	Stabilized Construction Site Entrance/Exit
Non-Stormwater Management	Water Conservation Practices
	Dewatering Operations
Waste Management	Material Delivery and Storage
	Stockpile Management
	Spill Prevention and Control
	Solid Waste Management
	Concrete Waste Management
	Sanitary/Septic Waste Management

Consent Decree Requirements

- Sites Disturbing 1 Acre or More:

Erosion Controls	Hydraulic Mulch
	Hydroseeding
	Soil Binders
	Geotextiles and Mats
	Wood Mulching
	Slope Drains
Sediment Controls	Silt Fence
	Fiber Rolls
	Sediment Basin
	Gravel Bag Berm
	Street Sweeping and/ or Vacuum
	Sand Bag Barrier
	Storm Drain Inlet Protection
	Scheduling
	Check Dam

Consent Decree Requirements

- Roadway Paving or Repair BMPs:

7.	Collect solid waste by vacuuming or sweeping and securing in an appropriate container for transport to a maintenance facility to be reused, recycled or disposed of properly.
8.	**Cover the "cold-mix" asphalt** (i.e., pre-mixed aggregate and asphalt binder) with protective sheeting during a rainstorm.
9.	**Cover loads** with tarp before haul-off to a storage site, and do not overload trucks.
10.	Minimize airborne dust by using water spray or other approved dust suppressant during grinding.
11.	Avoid stockpiling soil, sand, sediment, asphalt material and asphalt grinding materials or rubble in or near stormwater drainage system or receiving waters.
12.	Protect stockpiles with a **cover or sediment barriers during a rain**.

Consent Decree Requirements

- Sites Disturbing 1 Acre or More:

Additional Controls	Wind Erosion Controls
	Stabilized Construction Entrance/ Exit
	Stabilized Construction Roadway
	Entrance/ Exit Tire Wash
	Advanced Treatment Systems
Non-Stormwater Management	Water Conservation Practices
	Dewatering Operations (Groundwater dewatering only under National Pollutant Discharge Elimination System Permit No. (TBD)
	Vehicle and Equipment Washing
	Vehicle and Equipment Fueling
	Vehicle and Equipment Maintenance
Waste Management	Material Delivery and Storage
	Stockpile Management
	Spill Prevention and Control
	Solid Waste Management

Plan Review: NPDES Permit Minimum Measures

- Provide natural buffer if within 50' of state water.
  - Alternatives or exemptions may be applied based on site conditions.
- Install perimeter controls where water will flow.
- Minimize track-out.
  - Has a designated exit.
- Control stockpiles.
  - Use a temporary perimeter BMP or stabilize.
- Minimize dust.
- Minimize land disturbance on slopes.
  - Attempt to limit grading to less than 15% slopes.
- Minimize soil compaction.
  - Restrict vehicle and equipment use.
  - Condition the soil prior to seeding.

Consent Decree Requirements

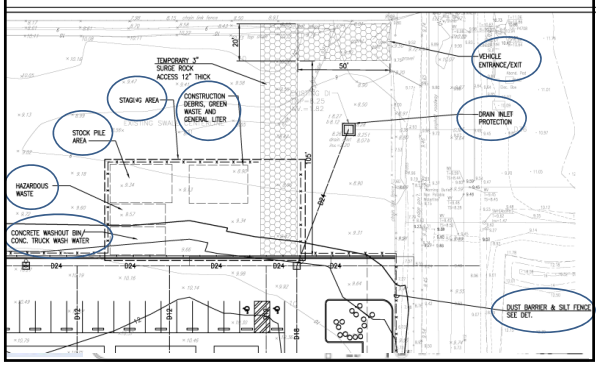
- Roadway Paving or Repair BMPs:

1.	Restrict paving and repaving activity to **exclude periods of rainfall** or predicted rainfall unless required by emergency conditions.
2.	**Install gravel bags and filter fabric** or other equivalent inlet protection at all susceptible storm drain inlets and at manholes to prevent spills of paving products and tack coat.
3.	Prevent the discharge of release agents including soybean oil, other oils, or diesel to the stormwater drainage system or receiving waters.
4.	Minimize non-stormwater runoff from water use for the roller and for evaporative cooling of the asphalt.
5.	Clean equipment over absorbent pads, drip pans, plastic sheeting or other material to capture all spillage and dispose of properly.
6.	**Collect liquid waste in a container**, with a secure lid, for transport to a maintenance facility to be reused, recycled or disposed of properly.

Plan Reviews: NPDES Permit Minimum Measures

- Protect drain inlets.
  - Only required when storm water is not properly managed with another method.
- Contaminated stockpiles.
  - Prevent storm water from impacting stockpile. OR
  - Prevent discharge of storm water from the area.
- Ensure non-storm water is contained (e.g. dewatering, concrete washout, vehicle washing).
- Written narrative for potential pollutant generating activities such as:
  - Vehicle and equipment fueling.
  - Washing vehicles and paint applicators.
  - Storage, handling, and disposal of construction materials, products, and wastes.

Example of Plan



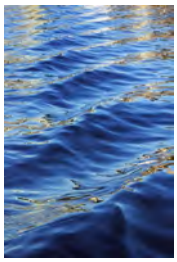
Harbors Stormwater BMP Inspections

- Final Inspection:
  - When all the following conditions are met:
    - Construction is completed.
    - Exposed soil has been stabilized.
    - Remaining activities have minimal impact on stormwater runoff.
  - Document the conditions are met in the *Additional Notes* portion of the report.
  - Ensure that permanent BMPs are properly installed, if applicable.
  - Deficiencies must be corrected prior to issuance of final payment.

MĀLAMA I KE AWA KAI
PROTECT OUR HARBOR WATERS

HDOT Harbors Construction Inspection Process





Harbors Stormwater BMP Inspections

- Review completed Contractor Self-Inspection Records:
  - For sites with NPDES permit:
    - Contractor's self inspections weekly AND within 24 hours of a 0.25 inch rainfall.
    - Signed by duly authorized representative.
  - Ensure contractor has completed or has a plan for completion of maintenance and repair of BMPs.
  - Any changes to BMPs must be documented.

Harbors Stormwater BMP Inspections

- Initial Inspection:
  - Verify all BMPs are installed appropriately.
  - Deficiencies must be corrected prior to the start of other construction work.
- Regular Inspection:
  - October to March: Every two weeks.
  - April to September: Every two months.
  - Deficiencies must be corrected or enforcement will commence.
  - Inspector will provide the contractor with report in five (5) calendar days.

Pre-Inspection Preparation

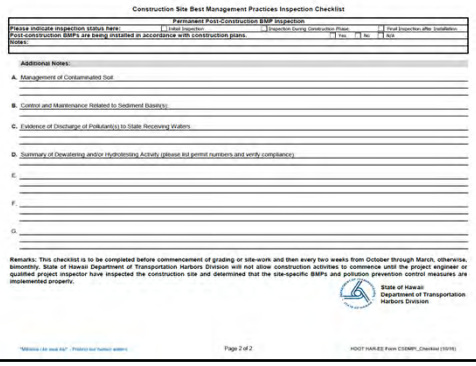
- Gather background data:
  - Construction plan review.
  - NPDES or MS4 connection permits.
  - Stormwater Pollution Prevention Plan and site map.
  - Harbors area drainage map.
  - Past inspection reports, if available.
  - Past enforcement correspondence, if applicable.
- Determine the stormwater drainage from the facility.
  - Receiving water.
  - Storm drain locations.
- Identify applicable BMPs.
- Identify special safety or scheduling concerns.

Bring to the Inspection Site



- Construction Inspection Checklist.
- Field book for notes and sketches.
- TWIC Badge.
- PPE – steel toed boots, hard hat, safety glasses, safety vest.
- Digital camera with charged batteries.
- Cell phone and contractor's contact number.
- Map with storm drain connections.

Construction Inspection Checklist



Construction Site Best Management Practices Inspection Checklist

Permanent Post-Construction BMP Inspection

Please indicate inspection status here: ☐ Initial Inspection ☐ Inspection During Construction Phase ☐ Final Inspection after Installation

Post-construction BMPs are being installed in accordance with construction plans. ☐ Yes ☐ No ☐ N/A

Notes:

Additional Notes:

A. Management of Contaminated Soil

B. Control and Maintenance Related to Sediment Basin(s)

C. Evidence of Discharge of Pollutant(s) to State Receiving Waters

D. Summary of Dewatering and/or Hydrotesting Activity (please list permit numbers and verify compliance)

E.

F.

G.

Remarks: This checklist is to be completed before commencement of grading or site-work and then every two weeks from October through March, otherwise, bimonthly. State of Hawaii Department of Transportation Harbors Division will not allow construction activities to commence until the project engineer or qualified project inspector have inspected the construction site and determined that the site-specific BMPs and pollution prevention control measures are implemented properly.

State of Hawaii
Department of Transportation
Harbors Division

"Mitsima - An awa Ka" - Protect our harbor waters

Page 2 of 2

HDOT HAR-EE Form CSBMPI_Checklist (10/16)

Construction Inspection Checklist

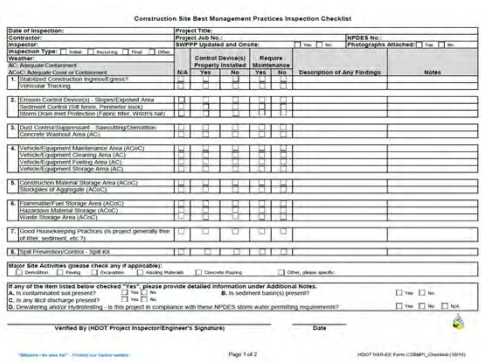


- All inspections must be documented on the Construction Site BMP Inspection Checklist.
  - Included in the Construction Site Runoff Control Manual, Attachment 4.
  - Copy provided to CM and Environmental Section for recordkeeping.
  - Keep a copy for your files.

Arriving On-Site

- Announce your presence to the contractor.
- Convene a pre-inspection meeting with the contractor.
- Ask for applicable paperwork:
  - Permits.
  - Training records.
  - Self-inspections.
  - Corrective action reports.
  - Monthly compliance reports.
  - Updated SWPPP.

Construction Inspection Checklist



Construction Site Best Management Practices Inspection Checklist

Date of Inspection: | Project Title:
Contractor: | Project Job No.: | NPDES No.:
Inspector: | SWPPP Updated and Onsite: ☐ Yes ☐ No | Photographs Attached: ☐ Yes ☐ No
Inspection Type: ☐ Initial ☐ Recurring ☐ Final ☐ Other
Weather:
AC: Adequate Containment
ACoC: Adequate Cover or Containment

		Control Devise(s) Properly Installed			Require Maintenance			
	N/A	Yes	No		Yes	No	Description of Any Findings	Notes
1. Stabilized Construction Ingress/Egress? Vehicular Tracking	☐	☐	☐		☐	☐		
2. Erosion Control Device(s) - Slopes/Exposed Area Sediment Control (Silt fence, Perimeter sock) Storm Drain Inlet Protection (Fabric filter, Wrich's hat)	☐	☐	☐		☐	☐		
3. Dust Control/Suppressant - Sawcutting/Demolition Concrete Washout Area (AC)	☐	☐	☐		☐	☐		
4. Vehicle/Equipment Maintenance Area (ACoC) Vehicle/Equipment Cleaning Area (AC) Vehicle/Equipment Fueling Area (AC) Vehicle/Equipment Storage Area (AC)	☐	☐	☐		☐	☐		
5. Construction Material Storage Area (ACoC) Stockpiles of Aggregate (ACoC)	☐	☐	☐		☐	☐		
6. Flammable/Fuel Storage Area (ACoC) Hazardous Material Storage (ACoC) Waste Storage Area (ACoC)	☐	☐	☐		☐	☐		
7. Good Housekeeping Practices (is project generally free of litter, sediment, etc.?)	☐	☐	☐		☐	☐		
8. Spill Prevention/Control - Spill Kit	☐	☐	☐		☐	☐		

Major Site Activities (please check any if applicable): ☐ Demolition ☐ Paving ☐ Excavation ☐ Hauling Materials ☐ Concrete Pouring ☐ Other, please specify:

If any of the item listed below checked "Yes", please provide detailed information under Additional Notes.
A. Is contaminated soil present? ☐ Yes ☐ No
B. Is sediment basin(s) present? ☐ Yes ☐ No
C. Is any illicit discharge present? ☐ Yes ☐ No
D. Dewatering and/or Hydrotesting - Is this project in compliance with these NPDES storm water permitting requirements? ☐ Yes ☐ No ☐ N/A

Verified By (HDOT Project Inspector/Engineer's Signature) | Date

"Mitsima - An awa Ka" - Protect our harbor waters

Page 1 of 2

HDOT HAR-EE Form CSBMPI_Checklist (10/16)

Walking the Site

- Carry the Stormwater Pollution Prevention Plan and site map to verify that BMPs match what is found in the field.
- Inspect all drains, canals, and receiving waters for discharges.
- Inspect site perimeter for discharges or sedimentation.
- Query workers about their knowledge of site BMPs.

Common Inspection Findings

BMP Plan was not available/updated.





- The BMP Plan is a living document.
  - The plan should be continually updated to reflect current site conditions.
  - Changes should be signed by certifying person or duly authorized representative.
  - The plan should be readily available to inspectors and workers on site.

Common Inspection Findings

Silt fence not properly maintained.



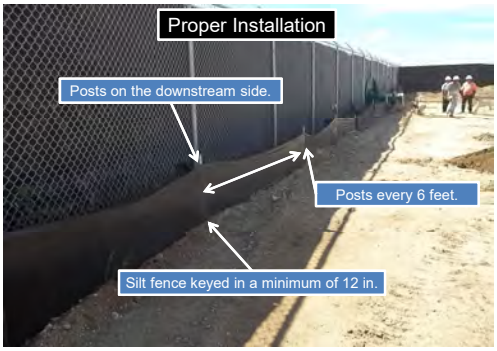
Common Inspection Findings

Stabilized construction entrance compacted.

Vehicle tracking.



Silt Fence (SE-1)



Stabilized Construction Entrance (TR-1)

- Prevents tracking.
  - Grade to prevent runoff.
  - Use 3-6 in diameter stones.
  - Minimum 12 in depth.
  - A minimum area of 50 ft length and 30 ft width.
  - Remove aggregate if it is clogged with sediment.
  - Combine with tire washing and/or street sweeping.



Silt Fence (SE-1)





Join segments by twisting or overlap by 6 inches.

End segments with a J-hook.

Maintenance is required when sediment accumulation is 1/3 the height of the barrier.

Manufacturer's BMPs

Hard Surface Guard





- Sediment control.
- Provides some filtering capacity.
- Reduces stormwater flow velocity.
- Designed to handle traffic conditions.
- Reusable.
- Ensure proper seal to the ground.

Common Inspection Findings

Improper installation of erosion control matting.







Common Inspection Findings





Improper installation / maintenance of perimeter berms.





Geotextiles and Mats (EC-7)

- Ensure good contact with the soil.
  - Remove rocks and other obstructions.
- Properly anchor.
  - U-shaped staples, stake pins, or wooden stakes.
  - At the top of the slope, backfill in 6-in trench.
  - Unroll blanket in direction of water flow.
  - Overlap 2-3 inches.
  - Staple every 3 ft.



Compost Socks and Berms (SE-16)

- Ensure berm is filled.
- Place on level slope.
- Ensure close contact with ground surface.
- Overlap ends of socks by 6 inches.
- Turn ends of socks up slope.
- Remove sediment when it is 1/3 height of the berm.
- Replace or repair damaged sections of the berms.

Common Inspection Findings

Drain inlet protection not properly maintained.



SE-10: Maintenance is required when sediment accumulation is 1/3 the height of the barrier.

Common Inspection Findings

Improper management of saw cutting wastes.



Concrete Waste Management (WM-8)

- Concrete washout is hazardous (pH ≈ 12).
- Wastes must be contained.
- Locate washout 50 ft from waterways.
- Minimum size is 10 ft by 10 ft.
- Plastic lining should be 10 mil and free of holes, tears, etc.
- Only fill containment to 75%.
- Cover is recommended if rain is expected.

Paving and Grinding Operations (NS-3)

- Shovel or vacuum saw-cut slurry and remove from the site.
- Saw-cut fine particles if re-suspended in water or in wet slurry must follow the concrete washout BMPs.
- Properly dispose of fines.
- Control dust while saw cutting.

Common Inspection Findings

Leaking equipment and lack of spill response.



Common Inspection Findings

Improper concrete washout.



Vehicle and Equipment Maintenance (NS-10)

- Regularly inspect vehicles and equipment for leaks.
- Use drip protection.
  - Pans.
  - Absorbent material backed with barrier.
  - Ensure it is positioned properly.
- Have spill kit available.
- Ensure workers are trained on spill response.



Spill Kits

- All contractors should have a spill kit available.
- Contents:
  - Absorbent materials.
    - Kitty litter, absorbent pad, berms, etc.
  - PPE such as gloves and goggles.
  - Bag or container for disposal.
  - Non-sparking tools for absorbent removal (broom and plastic dust pan).
- Ensure that spills are properly reported.



Inspection Findings

Improper disposal of paint.

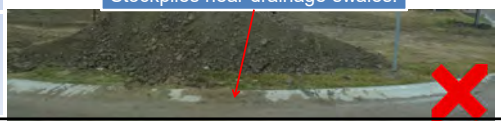


Common Inspection Findings

Uncontained stockpiles.



Stockpiles near drainage swales.



Material Use (WM-2)

- Use tarps to contain paint drips / chips.
- Mix and store paint within secondary containment.
- Clean painting equipment by:
  - Scraping off excess paint.
  - Wash in a contained area (e.g. bucket).
- Dispose properly.



Stockpile Management (WM-3)





- Stockpile is aggregate stored for multiple days.
- Maximum height is 15 ft.
- Locate away from waterways (50 ft).
- Use perimeter controls (berms, silt fence).
- Stabilize stockpile (cover, grass).

Common Inspection Findings

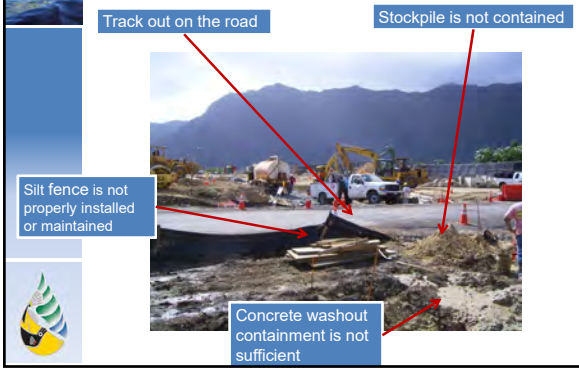
Improper hazardous material management



Material Delivery and Storage (WM-1)

- Store materials in a covered area.
  - If drums must be kept uncovered, store them at an angle to reduce the ponding of rainwater.
- Do not store chemicals, drums, or bagged materials on the ground.
  - Use a pallet and when possible secondary containment.
- Ensure all containers are properly labeled.

Find the Deficiencies



Common Inspection Findings




Improper solid waste management.




Finishing the Inspection

- Complete the Construction Inspection Checklist.
- Verbally notify contractor of findings that must be addressed.
- Coordinate follow-up actions.
  - Timeline to re-inspection.
  - Email photos of corrective actions.
  - Other.



Solid Waste Management (WM-5)



- Remove debris from site.
- Place in watertight dumpster.
- Dispose of dumpster contents biweekly or more frequently as needed.
- Locate dumpster 50 ft from waterways.
- Store construction materials neatly.
- Segregate hazardous wastes and recyclable items.



Finding Documentation

- Recordkeeping is vital.
  - "If it wasn't recorded, it didn't happen."
- Describe deficiencies in the checklist.
- Photograph finding and surrounding location.
- When verbally describing findings to contractor, you can also provide suggestions.
  - If contractor disagrees, remain professional. Don't argue back or escalate.
  - Leave the site and send formal letter with documentation.

Back in the Office

- Finish and sign inspection report ASAP.
- Scan into the computer.
- Attach and describe photographs.
- Attach a map of photo locations, if necessary.
- Send report to ~~CM/~~PM, Environmental Section (EE), and contractor.
  - EE will keep inspection record in database.
- Make a note in calendar to ensure follow-up is completed.

EPA/HDOH Enforcement



- Administrative Penalties:
  - Class I Violation: Up to $10,000 per violation (maximum $25,000).
  - Class II Violation: Up to $10,000 per day per violation (maximum of $125,000).
- Criminal Penalties:
  - Negligent Violations: Up to $2,500 - $25,000 per day (1 yr prison).
  - Knowing Violation: Up to $5,000 - $50,000 per day (3 yrs prison).
  - Knowing Endangerment: $250,000 (15 yrs prison) for an individual. $1 million or an organization.
- False Statements: $10,000 (6 months prison).

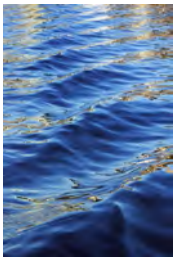
SWMP Enforcement

- Required when corrective actions are not immediately initiated by contractor.
- Conducted by Harbors Qualified Personnel with internal enforcement authority.
- Regulations that will be referenced:
  - SWMP.
  - Construction Contract.
  - HRS Title 15, Chapter 266.
  - HAR Title 19, Chapters 41 to 44.



MĀLAMA I KE AWA KAI
PROTECT OUR HARBOR WATERS

HDOT Harbors Post-Construction Process



SWMP Enforcement Process

- Upon discovery, contractor will immediately correct deficiency.
- Escalating enforcement, as required:
  - Verbal warnings – PM
  - Written warnings
    - Inspection report – PM
    - Formal letter – HAR-E
    - Notice of Apparent Violation (NAV) – DEP-H
      - Notification provided to Department of Health.
  - Stop work orders – HAR-E
    - Assessing Environmental Liquidated Damage.
  - Terminate Contract – DIR
- Documentation is key!

Post-Construction BMPs

- A BMP that will remain in place following completion of construction to minimize the discharge of pollutants from routine operations on-site.
- Operation and Maintenance Plan required.







Post-Construction Considerations

- Projects of 1 acre or more **must** consider the inclusion of post-construction BMPs.
  - Exceptions:
    - Maintenance activities.
    - Reroofing.
    - Interior work.
    - Utility work.
    - Replacement of damaged pavement.
- Include in Design Review Submittal:
  - Post-Construction BMP Plan Checklist.
  - PSMP: Post-Construction Stormwater Mitigation Plan.

PSMP – Potential Pollutants

Priority Project Categories	General Pollutant Categories								
	Sediment	Trash & Debris	Metals	Organic Compounds	Nutrients	Oxygen Demanding Substances	Oil & Grease	Bacteria & Viruses	Pesticides
Commercial Development > 1 acre	P[1]	P	P	P[2]	P[1]	P[3]	P	P[3]	P[3]
(Heavy) Industry Development	P	P	P	P		P	P		
Automotive Repair Shops		P	P	P[4,5]			P		
Restaurants		P				P	P	P	P[1]
Parking Lots	P[1]	P	P		P[1]	P[1]	P		P[1]
Fueling Facility		P	P	P		P	P		
Driveways	P	P	P	P[4]	P[1]	P[3]	P		P[1]

P = potential pollutant.
Refer to Section 3.1 of Post-Construction Stormwater Management Manual.

Post-Construction BMP Plan Checklist

Hawaii Department of Transportation – Harbors Division

Permanent Post-Construction Best Management Practice Plan Checklist

For a Harbors Project, please fill in this section	
Project Title:	
Project Location:	
Acreage of Site:	Harbors Project No.:
Name of Design Firm:	
Email:	Phone No.:

For a Tenant Improvement Project, please fill in this section	
Tenant Business Name:	Date:
Project Title:	
Project Location:	
Acreage of Site:	TMK No. (if any):

PSMP – BMP Selection

- Select from these categories:
  - **Low Impact Development** (LID)
    - Goal – Keep the stormwater on-site and treat it as a resource instead of a waste.
    - Example – Conserve vegetated areas.
  - **Source Control**
    - Goal – Keep potential pollutants from coming into contact with stormwater runoff.
    - Example – Cover a maintenance area.
  - **Treatment Control**
    - Goal – Remove pollutants from stormwater runoff.
    - Example – Hydrodynamic separators.

Order of Preference

Post-Construction Stormwater Mitigation Plan (PSMP)

Drainage Study and Conditions of Concern → Identify potential stormwater pollutants → Identify post-construction BMPs → Complete PSMP

- Applicable to anticipated activities on the site AFTER construction is completed.
- Contents:
  - Narrative of project.
  - Site map.
  - Description of potential pollutants.
  - Drainage study and conditions of concern.
  - Post-Construction BMPs.
  - Maintenance requirements.

PSMP – BMP Selection (cont.)

- Refer to City and County of Honolulu resources.
  - BMP Manual for Construction.
    (http://cleanwaterhonolulu.com/storm/learning_center/BMP_manual_2011-11.pdf)
  - BMP Guide.
    (http://www.cleanwaterhonolulu.com/storm/notices/2012_sds_draft_rules/DPP_Storm_Water_BMP_Guide_(07-11-2012).pdf)
  - Rules Relating to Storm Drainage Standards.
    (http://www.cleanwaterhonolulu.com/storm/notices/2013_sds/index.html)
- Required capacities:
  - Volume based BMPs must capture 1 inch of stormwater.
  - Flow based BMPs must capture/treat rainfall intensity of 0.4 inches per hour.

Common Permanent BMPs

- Conserve Natural Areas, Soils, and Vegetation:
  - Conduct construction activities such that disturbance to existing vegetated areas is minimized, in particular trees.
  - Refer to CCH Storm Water BMP Guide, pg 4.

Ideal Implementation:
• In areas where there is existing vegetation



Common Permanent BMPs

- Hydrodynamic Separators.
  - Flow through structures with a settling or separation unit to remove sediments and other pollutants.
  - Refer to CCH Storm Water BMP Guide.

Ideal Implementation:
•Areas where materials to be removed from runoff are heavy particulates – which can be settled – or floatables –which can be captured, rather than solids with poor settleability or dissolved pollutants.



Common Permanent BMPs

- Vegetated Swale:
  - Broad earthen channel vegetated with erosion resistant and flood tolerant grasses.
  - Runoff is typically conveyed through channel, which allows for infiltration and treatment.
  - Refer to CCH Storm Water BMP Guide.

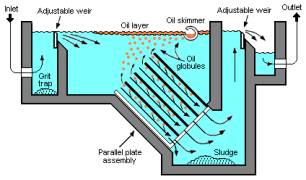
Ideal Implementation:
• Along streets and parking lots.



Preferred Permanent BMPs

- Oil Water Separators
  - Separates oil from water before discharge.
  - Refer to CCH Storm Water BMP Guide, Vehicle Cleaning.

Ideal Implementation:
•Areas where vehicle repairs or washing take place.



Common Permanent BMPs

- Permeable Pavement
  - Paved surfaces that infiltrate, treat, and/or store rainwater where it falls.
  - Refer to CCH Storm Water BMP Guide.

Ideal Implementation:
• Driveways and parking lots.
• Areas where flooding is a problem.



Lessons Learned

- All projects must be reviewed prior to start.
- Projects over 1 acre must include post-construction BMPs.
- Inspections are <u>required</u> by Consent Decree and NPDES permits.
  - Inspections are an important tool to catch problems before they result in regulatory enforcement.
- Main goal is to ensure that pollutants are not contaminating receiving waters or MS4.
  - <u>Best if potential pollutants can be kept on-site</u>!
- It is cheaper to implement BMPs than pay the regulatory fine.
- **Be familiar with City and County of Honolulu BMP manual, Harbor's SWMP programs, Consent Decree, and construction documents.**

Questions



- Harbors Website:
  http://hidot.hawaii.gov/harbors/malamaikeawakai/
- Harbors Contacts:
  - Stormwater Reporting Hotline: 587-1962
  - Environmental Section: Joy Zhang, P.E. 587-1960, ying.j.zhang@hawaii.gov.

MALAMA I KE AWA KAI
PROTECT OUR HARBOR WATERS

Attachment 4.b

Construction and Post-Construction Training Questionnaires

2020 HDOT Harbors Construction and Post-Construction Training Quiz

Questions Responses 57

57 responses

Accepting responses

Summary Question Individual

Who has responded?

Email

ying.j.zhang@hawaii.gov

tbadayos@manthosengineering.com

minhl@goodfellowbros.com

minhl@goodfellowbros.com (1)

evank@rmtowill.com

chriss@rmtowill.com

snekkalapudi@nanhawaii.com

k.papacek@honolulu.gov

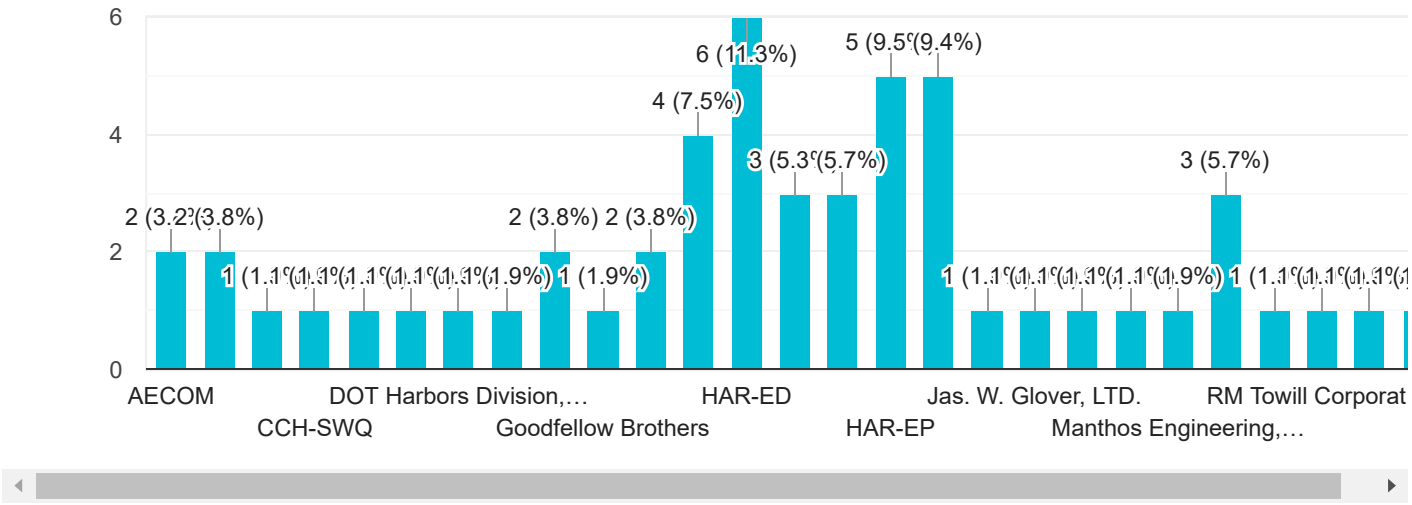
Date

57 responses

Nov 1989	10
May 1998	12
Sep 2020	11 24
Nov 2020	9 10 18 24 19 2 20 23 24
Dec 2020	1 9 5 10 4 11 14 6 15 2 16 17 22

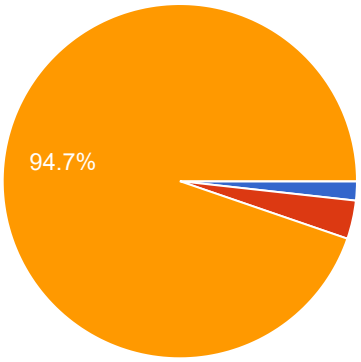
Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

53 responses



1. NPDES is an abbreviation of:

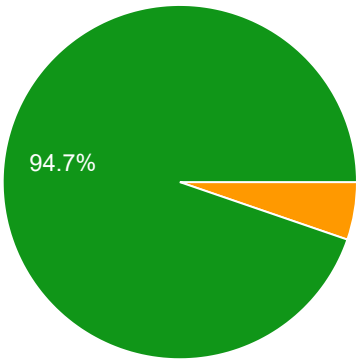
57 responses



- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by:

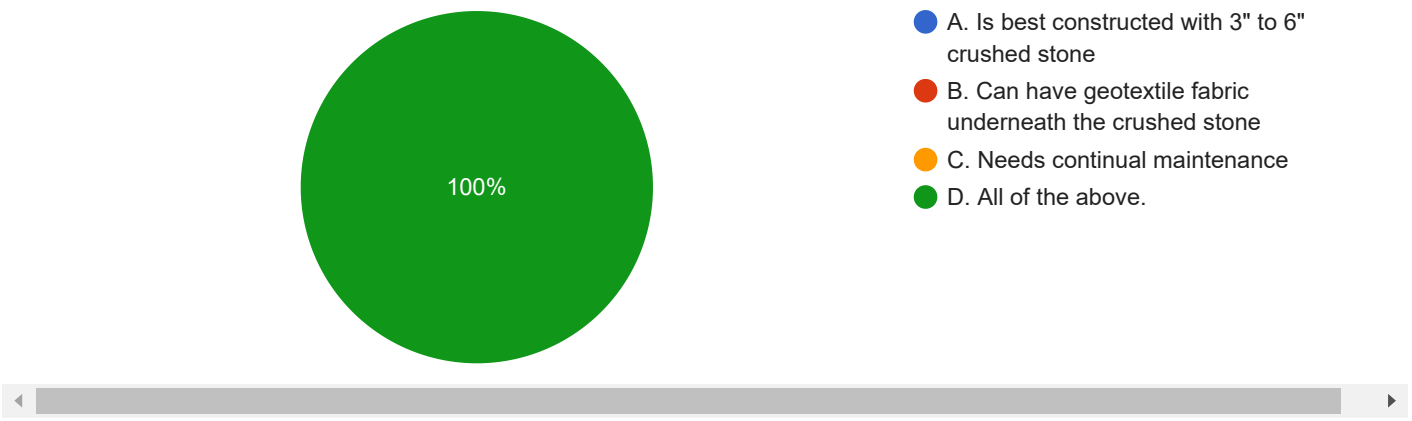
57 responses



- A. Filling in deep pools which give fish protective cover
- B. Covering over gravel bottoms used by fish to deposit eggs
- C. Blocking light and inhibiting photosysthesis, and abrading coral
- D. All of the above.

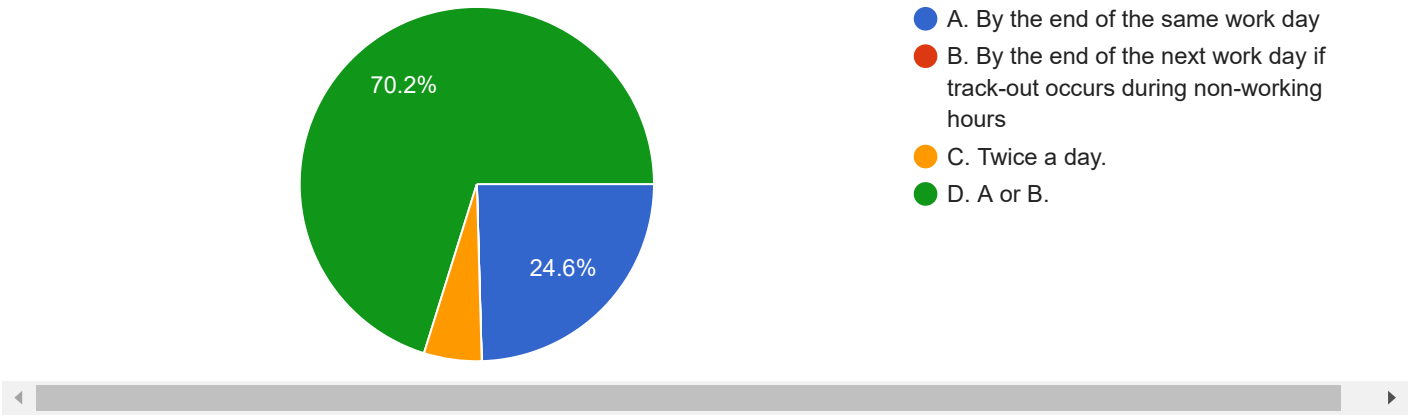
3. A stabilized construction entrance:

57 responses



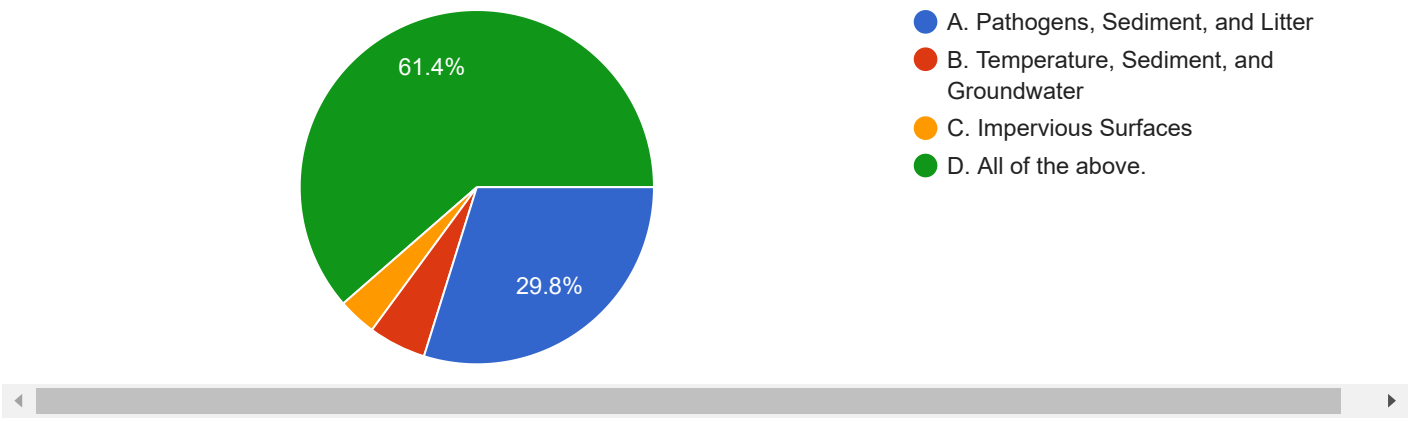
4. Sediment tracked onto roads by construction activity must be cleaned up:

57 responses



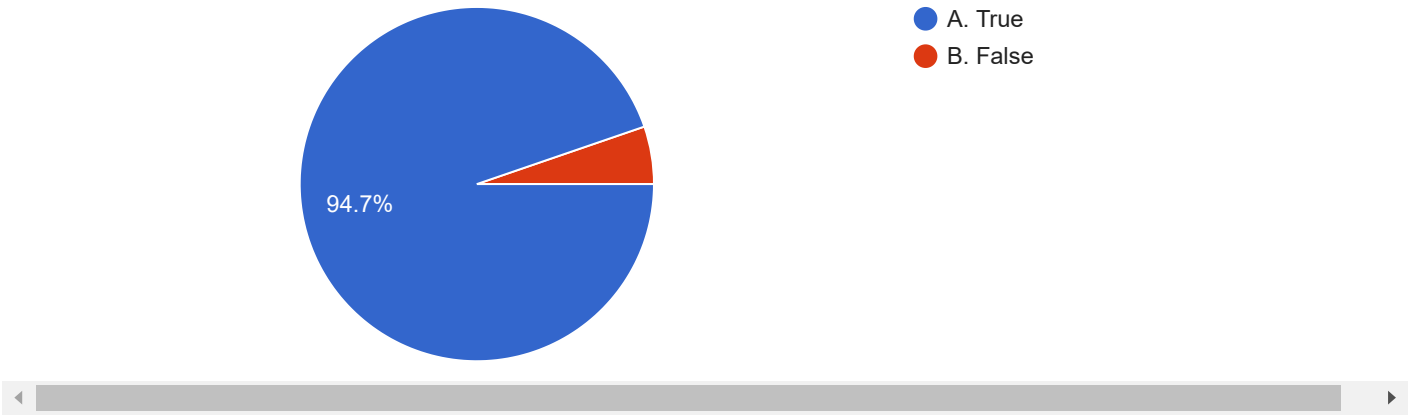
5. Nonpoint Source pollutants include:

57 responses



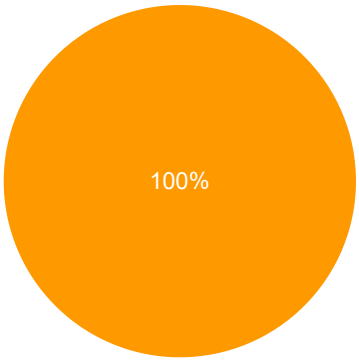
6. True or False? Clay soils are less permeable than sandy soils.

57 responses



7. The purpose of providing erosion and sediment control is to:

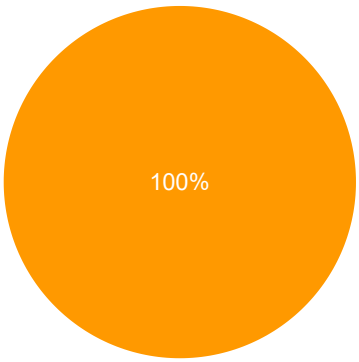
57 responses



- A. Cause undue hardship and expense on the developer and contractor
- B. Provide jobs for government employees
- C. Provide a means of construction without harming the environment through sediment pollution
- D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution?

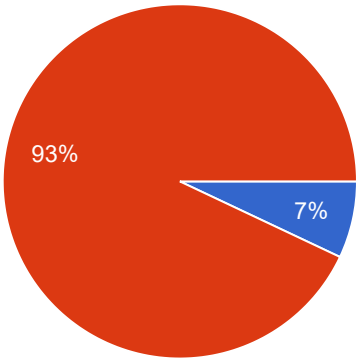
57 responses



- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams.

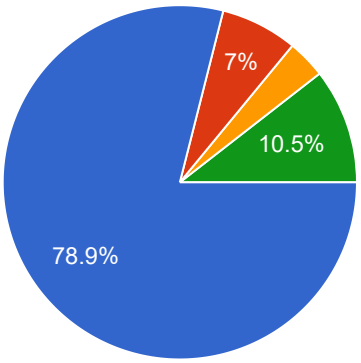
57 responses



A. True
B. False

10. A silt fence needs to be maintained when:

57 responses



A. The sediment reaches one third the height of the fabric
B. The sediment reaches one half the height of the fabric
C. The sediment reaches three quarters the height of the fabric
D. None of the above.

Comments:

9 responses

good survey

Thank you!

none at this time. Great quiz!

Thank you so much!

It is a very good training course.

Re-did test after putting in the wrong e-mail address.

no comments

None.

Presentation was professional and informative

MAHALO NUI LOA! Thank you very much!

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

ying.j.zhang@hawaii.gov

Date *

MM DD YYYY

11 / 09 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-EE

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- (●) A. Pathogens, Sediment, and Litter
- ( ) B. Temperature, Sediment, and Groundwater
- ( ) C. Impervious Surfaces
- ( ) D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- (●) A. True
- ( ) B. False

7. The purpose of providing erosion and sediment control is to: *

- ( ) A. Cause undue hardship and expense on the developer and contractor
- ( ) B. Provide jobs for government employees
- (●) C. Provide a means of construction without harming the environment through sediment pollution
- ( ) D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

tbadayos@manthosengineering.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

Manthos Engineering, LLC

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

minhl@goodfellowbros.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

Goodfellow Brothers

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ○ A. True
- ◉ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

minhl@goodfellowbros.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

Goodfellow Bros

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ○ A. True
- ◉ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

evank@rmtowill.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

R.M. Towill Corporation

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- ○ A. Whoever is the easiest to blame
- ○ B. The downstream property owner
- ◉ C. The owner of the project, the authorized representative, and the general contractor/operator
- ○ D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- ○ A. True
- ◉ B. False

10. A silt fence needs to be maintained when: *

- ◉ A. The sediment reaches one third the height of the fabric
- ○ B. The sediment reaches one half the height of the fabric
- ○ C. The sediment reaches three quarters the height of the fabric
- ○ D. None of the above.

Comments:

good survey

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

chriss@rmtowill.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

1. NPDES is an abbreviation of: *

- ○ A. National Policy for Discharge of Erosion and Sediment
- ◉ B. National Pollutant Development and Elimination System
- ○ C. National Pollutant Discharge Elimination System.
- ○ D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ◉ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ○ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ◉ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ○ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

snekkalapudi@nanhawaii.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

k.papacek@honolulu.gov

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

DFM- SWQ

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ◉ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ○ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ◉ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ○ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

ycosyleon@gmail.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

CCH-SWQ

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ◉ C. Twice a day.
- ○ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

tarync@rmtowill.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

RM Towill Corporation

1. NPDES is an abbreviation of: *

- ○ A. National Policy for Discharge of Erosion and Sediment
- ◉ B. National Pollutant Development and Elimination System
- ○ C. National Pollutant Discharge Elimination System.
- ○ D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- [ ] A. Whoever is the easiest to blame
- [ ] B. The downstream property owner
- [x] C. The owner of the project, the authorized representative, and the general contractor/operator
- [ ] D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- [ ] A. True
- [x] B. False

10. A silt fence needs to be maintained when: *

- [x] A. The sediment reaches one third the height of the fabric
- [ ] B. The sediment reaches one half the height of the fabric
- [ ] C. The sediment reaches three quarters the height of the fabric
- [ ] D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

ddenton@gracepacific.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

Grace Pacific LLC

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- [ ] A. Whoever is the easiest to blame
- [ ] B. The downstream property owner
- [x] C. The owner of the project, the authorized representative, and the general contractor/operator
- [ ] D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- [ ] A. True
- [x] B. False

10. A silt fence needs to be maintained when: *

- [x] A. The sediment reaches one third the height of the fabric
- [ ] B. The sediment reaches one half the height of the fabric
- [ ] C. The sediment reaches three quarters the height of the fabric
- [ ] D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

leon@cme-hawaii.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

CONSTRUTION MANAGEMENT & ENGINEERING, LLC.

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

avandewater@bchdesign.com

Date *

MM DD YYYY

11 / 10 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

Belt Collins Hawaii

1. NPDES is an abbreviation of: *

- ○ A. National Policy for Discharge of Erosion and Sediment
- ○ B. National Pollutant Development and Elimination System
- ◉ C. National Pollutant Discharge Elimination System.
- ○ D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ◉ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ○ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- ○ A. Whoever is the easiest to blame
- ○ B. The downstream property owner
- ◉ C. The owner of the project, the authorized representative, and the general contractor/operator
- ○ D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- ○ A. True
- ◉ B. False

10. A silt fence needs to be maintained when: *

- ◉ A. The sediment reaches one third the height of the fabric
- ○ B. The sediment reaches one half the height of the fabric
- ○ C. The sediment reaches three quarters the height of the fabric
- ○ D. None of the above.

Comments:

Thank you!

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

contract1-henrysequ@hawaii.rr.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

Henry's Equipment

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

none at this time. Great quiz!

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

fgaliza@paulselectrical.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

Paul's Electrical Contracting

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- [ ] A. Whoever is the easiest to blame
- [ ] B. The downstream property owner
- [x] C. The owner of the project, the authorized representative, and the general contractor/operator
- [ ] D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- [ ] A. True
- [x] B. False

10. A silt fence needs to be maintained when: *

- [x] A. The sediment reaches one third the height of the fabric
- [ ] B. The sediment reaches one half the height of the fabric
- [ ] C. The sediment reaches three quarters the height of the fabric
- [ ] D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

danielm@gloverltd.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

Jas. W. Glover, LTD.

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- ○ A. Whoever is the easiest to blame
- ○ B. The downstream property owner
- ◉ C. The owner of the project, the authorized representative, and the general contractor/operator
- ○ D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- ○ A. True
- ◉ B. False

10. A silt fence needs to be maintained when: *

- ◉ A. The sediment reaches one third the height of the fabric
- ○ B. The sediment reaches one half the height of the fabric
- ○ C. The sediment reaches three quarters the height of the fabric
- ○ D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

bantonio@gracepacifi.com

Date *

MM DD YYYY

11 / 10 / 1989

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

Grace Pacific LLC

1. NPDES is an abbreviation of: *

- (●) A. National Policy for Discharge of Erosion and Sediment
- ( ) B. National Pollutant Development and Elimination System
- ( ) C. National Pollutant Discharge Elimination System.
- ( ) D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

steveyongpark@gmail.com

Date *

MM DD YYYY

05 / 12 / 1998

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

dallen@kya.design

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

KYA

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ◉ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ○ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

jwiley@kya.design

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

KYA, Inc.

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ◉ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ○ D. A or B.

5. Nonpoint Source pollutants include: *

- (●) A. Pathogens, Sediment, and Litter
- ( ) B. Temperature, Sediment, and Groundwater
- ( ) C. Impervious Surfaces
- ( ) D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- (●) A. True
- ( ) B. False

7. The purpose of providing erosion and sediment control is to: *

- ( ) A. Cause undue hardship and expense on the developer and contractor
- ( ) B. Provide jobs for government employees
- (●) C. Provide a means of construction without harming the environment through sediment pollution
- ( ) D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

Debbi@wrsasolutions.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

WRSA

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- (●) A. Pathogens, Sediment, and Litter
- ( ) B. Temperature, Sediment, and Groundwater
- ( ) C. Impervious Surfaces
- ( ) D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- (●) A. True
- ( ) B. False

7. The purpose of providing erosion and sediment control is to: *

- ( ) A. Cause undue hardship and expense on the developer and contractor
- ( ) B. Provide jobs for government employees
- (●) C. Provide a means of construction without harming the environment through sediment pollution
- ( ) D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

minhl@goodfellowbros.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

Goodfellow Bros

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

anicolas@paulselectrical.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

Paul's Electrical Contracting

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

rkunishige@paulselectrical.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

Paul's Electrical Contracting

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

snekkalapudi@nanhawaii.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- ○ A. Whoever is the easiest to blame
- ○ B. The downstream property owner
- ◉ C. The owner of the project, the authorized representative, and the general contractor/operator
- ○ D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- ○ A. True
- ◉ B. False

10. A silt fence needs to be maintained when: *

- ◉ A. The sediment reaches one third the height of the fabric
- ○ B. The sediment reaches one half the height of the fabric
- ○ C. The sediment reaches three quarters the height of the fabric
- ○ D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

avandewater@bchdesign.com

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

Belt Collins Hawaii

1. NPDES is an abbreviation of: *

- ○ A. National Policy for Discharge of Erosion and Sediment
- ○ B. National Pollutant Development and Elimination System
- ◉ C. National Pollutant Discharge Elimination System.
- ○ D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ◉ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ○ D. A or B.

5. Nonpoint Source pollutants include: *

- (●) A. Pathogens, Sediment, and Litter
- ( ) B. Temperature, Sediment, and Groundwater
- ( ) C. Impervious Surfaces
- ( ) D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ( ) A. True
- (●) B. False

7. The purpose of providing erosion and sediment control is to: *

- ( ) A. Cause undue hardship and expense on the developer and contractor
- ( ) B. Provide jobs for government employees
- (●) C. Provide a means of construction without harming the environment through sediment pollution
- ( ) D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- ○ A. Whoever is the easiest to blame
- ○ B. The downstream property owner
- ◉ C. The owner of the project, the authorized representative, and the general contractor/operator
- ○ D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- ○ A. True
- ◉ B. False

10. A silt fence needs to be maintained when: *

- ◉ A. The sediment reaches one third the height of the fabric
- ○ B. The sediment reaches one half the height of the fabric
- ○ C. The sediment reaches three quarters the height of the fabric
- ○ D. None of the above.

Comments:

Thank you so much!

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

ying.j.zhang@hawaii.gov

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

State of Hawaii Department of Transportation, Harbors Division

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- (●) A. Pathogens, Sediment, and Litter
- ( ) B. Temperature, Sediment, and Groundwater
- ( ) C. Impervious Surfaces
- ( ) D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- (●) A. True
- ( ) B. False

7. The purpose of providing erosion and sediment control is to: *

- ( ) A. Cause undue hardship and expense on the developer and contractor
- ( ) B. Provide jobs for government employees
- (●) C. Provide a means of construction without harming the environment through sediment pollution
- ( ) D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- ○ A. Whoever is the easiest to blame
- ○ B. The downstream property owner
- ◉ C. The owner of the project, the authorized representative, and the general contractor/operator
- ○ D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- ○ A. True
- ◉ B. False

10. A silt fence needs to be maintained when: *

- ◉ A. The sediment reaches one third the height of the fabric
- ○ B. The sediment reaches one half the height of the fabric
- ○ C. The sediment reaches three quarters the height of the fabric
- ○ D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

lauren.mt.young@hawaii.gov

Date *

MM DD YYYY

11 / 18 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-EC

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

rodney.k.yamane@hawaii.gov

Date *

MM DD YYYY

11 / 19 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

Engineering / Construction

1. NPDES is an abbreviation of: *

- ○ A. National Policy for Discharge of Erosion and Sediment
- ○ B. National Pollutant Development and Elimination System
- ◉ C. National Pollutant Discharge Elimination System.
- ○ D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ◉ C. Twice a day.
- ○ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

branden.sumida@hawaii.gov

Date *

MM DD YYYY

11 / 19 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-EM

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ◉ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ○ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

da.teng@hawaii.gov

Date *

MM DD YYYY

11 / 20 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-ED

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ◉ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ○ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ◉ C. Impervious Surfaces
- ○ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

michele.gn.freitas@hawaii.gov

Date *

MM DD YYYY

11 / 23 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-EE

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ◉ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ○ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- (●) A. Pathogens, Sediment, and Litter
- ( ) B. Temperature, Sediment, and Groundwater
- ( ) C. Impervious Surfaces
- ( ) D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- (●) A. True
- ( ) B. False

7. The purpose of providing erosion and sediment control is to: *

- ( ) A. Cause undue hardship and expense on the developer and contractor
- ( ) B. Provide jobs for government employees
- (●) C. Provide a means of construction without harming the environment through sediment pollution
- ( ) D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

mitchell.a.martello@hawaii.gov

Date *

MM DD YYYY

11 / 24 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-EE

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ◉ C. Twice a day.
- ○ D. A or B.

5. Nonpoint Source pollutants include: *

- (●) A. Pathogens, Sediment, and Litter
- ( ) B. Temperature, Sediment, and Groundwater
- ( ) C. Impervious Surfaces
- ( ) D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- (●) A. True
- ( ) B. False

7. The purpose of providing erosion and sediment control is to: *

- ( ) A. Cause undue hardship and expense on the developer and contractor
- ( ) B. Provide jobs for government employees
- (●) C. Provide a means of construction without harming the environment through sediment pollution
- ( ) D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

bbautista@bowersandkubota.com

Date *

MM DD YYYY

12 / 01 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

Bowers and Kubota

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

wade.takamoto@hawaii.gov

Date *

MM DD YYYY

12 / 09 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-ED

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- (●) A. Pathogens, Sediment, and Litter
- ( ) B. Temperature, Sediment, and Groundwater
- ( ) C. Impervious Surfaces
- ( ) D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- (●) A. True
- ( ) B. False

7. The purpose of providing erosion and sediment control is to: *

- ( ) A. Cause undue hardship and expense on the developer and contractor
- ( ) B. Provide jobs for government employees
- (●) C. Provide a means of construction without harming the environment through sediment pollution
- ( ) D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

ronney.r.oliveros@hawaii.gov

Date *

MM DD YYYY

12 / 09 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-ESP

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- (●) A. Pathogens, Sediment, and Litter
- ( ) B. Temperature, Sediment, and Groundwater
- ( ) C. Impervious Surfaces
- ( ) D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- (●) A. True
- ( ) B. False

7. The purpose of providing erosion and sediment control is to: *

- ( ) A. Cause undue hardship and expense on the developer and contractor
- ( ) B. Provide jobs for government employees
- (●) C. Provide a means of construction without harming the environment through sediment pollution
- ( ) D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

xiping.huang@hawaii.gov

Date *

MM DD YYYY

12 / 09 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-EP

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ◉ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ○ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- ○ A. Whoever is the easiest to blame
- ○ B. The downstream property owner
- ◉ C. The owner of the project, the authorized representative, and the general contractor/operator
- ○ D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- ○ A. True
- ◉ B. False

10. A silt fence needs to be maintained when: *

- ◉ A. The sediment reaches one third the height of the fabric
- ○ B. The sediment reaches one half the height of the fabric
- ○ C. The sediment reaches three quarters the height of the fabric
- ○ D. None of the above.

Comments:

It is a very good training course.

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

Ying.J.Zhang@hawaii.gov

Date *

MM DD YYYY

12 / 09 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-EC

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- (●) A. Pathogens, Sediment, and Litter
- ( ) B. Temperature, Sediment, and Groundwater
- ( ) C. Impervious Surfaces
- ( ) D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- (●) A. True
- ( ) B. False

7. The purpose of providing erosion and sediment control is to: *

- ( ) A. Cause undue hardship and expense on the developer and contractor
- ( ) B. Provide jobs for government employees
- (●) C. Provide a means of construction without harming the environment through sediment pollution
- ( ) D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

neil.m.asato@hawaii.gov

Date *

MM DD YYYY

12 / 09 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-EC

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- (●) A. Pathogens, Sediment, and Litter
- ( ) B. Temperature, Sediment, and Groundwater
- ( ) C. Impervious Surfaces
- ( ) D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- (●) A. True
- ( ) B. False

7. The purpose of providing erosion and sediment control is to: *

- ( ) A. Cause undue hardship and expense on the developer and contractor
- ( ) B. Provide jobs for government employees
- (●) C. Provide a means of construction without harming the environment through sediment pollution
- ( ) D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- ○ A. Whoever is the easiest to blame
- ○ B. The downstream property owner
- ◉ C. The owner of the project, the authorized representative, and the general contractor/operator
- ○ D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- ○ A. True
- ◉ B. False

10. A silt fence needs to be maintained when: *

- ◉ A. The sediment reaches one third the height of the fabric
- ○ B. The sediment reaches one half the height of the fabric
- ○ C. The sediment reaches three quarters the height of the fabric
- ○ D. None of the above.

Comments:

Re-did test after putting in the wrong e-mail address.

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

rodney.s.shiraishi@hawaii.gov

Date *

MM DD YYYY

12 / 10 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-ESP

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- [ ] A. Whoever is the easiest to blame
- [ ] B. The downstream property owner
- [x] C. The owner of the project, the authorized representative, and the general contractor/operator
- [ ] D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- [ ] A. True
- [x] B. False

10. A silt fence needs to be maintained when: *

- [ ] A. The sediment reaches one third the height of the fabric
- [ ] B. The sediment reaches one half the height of the fabric
- [ ] C. The sediment reaches three quarters the height of the fabric
- [x] D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

gregg.hirokawa@hawaii.gov

Date *

MM DD YYYY

12 / 10 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-EM

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ◉ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ○ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

richard.yoneda@hawaii.gov

Date *

MM DD YYYY

12 / 10 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-ESP

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- (●) A. Pathogens, Sediment, and Litter
- ( ) B. Temperature, Sediment, and Groundwater
- ( ) C. Impervious Surfaces
- ( ) D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- (●) A. True
- ( ) B. False

7. The purpose of providing erosion and sediment control is to: *

- ( ) A. Cause undue hardship and expense on the developer and contractor
- ( ) B. Provide jobs for government employees
- (●) C. Provide a means of construction without harming the environment through sediment pollution
- ( ) D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

dean.watase@hawaii.gov

Date *

MM DD YYYY

12 / 10 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-EP

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ◉ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ○ D. A or B.

5. Nonpoint Source pollutants include: *

- (●) A. Pathogens, Sediment, and Litter
- ( ) B. Temperature, Sediment, and Groundwater
- ( ) C. Impervious Surfaces
- ( ) D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- (●) A. True
- ( ) B. False

7. The purpose of providing erosion and sediment control is to: *

- ( ) A. Cause undue hardship and expense on the developer and contractor
- ( ) B. Provide jobs for government employees
- (●) C. Provide a means of construction without harming the environment through sediment pollution
- ( ) D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

patrick.zarko@hawaii.gov

Date *

MM DD YYYY

12 / 11 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-EC

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

steven.r.dale@hawaii.gov

Date *

MM DD YYYY

12 / 14 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-EP

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ◉ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ○ D. A or B.

5. Nonpoint Source pollutants include: *

- (●) A. Pathogens, Sediment, and Litter
- ( ) B. Temperature, Sediment, and Groundwater
- ( ) C. Impervious Surfaces
- ( ) D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- (●) A. True
- ( ) B. False

7. The purpose of providing erosion and sediment control is to: *

- ( ) A. Cause undue hardship and expense on the developer and contractor
- ( ) B. Provide jobs for government employees
- (●) C. Provide a means of construction without harming the environment through sediment pollution
- ( ) D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

jerome.g.aguada@hawaii.gov

Date *

MM DD YYYY

12 / 14 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-ED

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ◉ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ○ D. A or B.

5. Nonpoint Source pollutants include: *

- (●) A. Pathogens, Sediment, and Litter
- ( ) B. Temperature, Sediment, and Groundwater
- ( ) C. Impervious Surfaces
- ( ) D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- (●) A. True
- ( ) B. False

7. The purpose of providing erosion and sediment control is to: *

- ( ) A. Cause undue hardship and expense on the developer and contractor
- ( ) B. Provide jobs for government employees
- (●) C. Provide a means of construction without harming the environment through sediment pollution
- ( ) D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

arnold.fukumoto@hawaii.gov

Date *

MM DD YYYY

12 / 14 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-EM

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

celia.y.shen@hawaii.gov

Date *

MM DD YYYY

12 / 14 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-EP

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ◉ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ○ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ◉ C. Impervious Surfaces
- ○ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

michael.l.dichner@hawaii.gov

Date *

MM DD YYYY

12 / 15 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-EP

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- [ ] A. Whoever is the easiest to blame
- [ ] B. The downstream property owner
- [x] C. The owner of the project, the authorized representative, and the general contractor/operator
- [ ] D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- [ ] A. True
- [x] B. False

10. A silt fence needs to be maintained when: *

- [ ] A. The sediment reaches one third the height of the fabric
- [ ] B. The sediment reaches one half the height of the fabric
- [ ] C. The sediment reaches three quarters the height of the fabric
- [x] D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

mark.a.yamabe@hawaii.gov

Date *

MM DD YYYY

12 / 14 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-ED

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ◉ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ○ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

long.f.chen@hawaii.gov

Date *

MM DD YYYY

12 / 14 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-ED

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

william.h.makanui@hawaii.gov

Date *

MM DD YYYY

12 / 15 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

DOT Harbors Division, Special Projects Group

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ◉ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ○ D. A or B.

5. Nonpoint Source pollutants include: *

- (●) A. Pathogens, Sediment, and Litter
- ( ) B. Temperature, Sediment, and Groundwater
- ( ) C. Impervious Surfaces
- ( ) D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- (●) A. True
- ( ) B. False

7. The purpose of providing erosion and sediment control is to: *

- ( ) A. Cause undue hardship and expense on the developer and contractor
- ( ) B. Provide jobs for government employees
- (●) C. Provide a means of construction without harming the environment through sediment pollution
- ( ) D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- ○ A. Whoever is the easiest to blame
- ○ B. The downstream property owner
- ◉ C. The owner of the project, the authorized representative, and the general contractor/operator
- ○ D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- ○ A. True
- ◉ B. False

10. A silt fence needs to be maintained when: *

- ◉ A. The sediment reaches one third the height of the fabric
- ○ B. The sediment reaches one half the height of the fabric
- ○ C. The sediment reaches three quarters the height of the fabric
- ○ D. None of the above.

Comments:

no comments

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

melchor.a.travens@hawaii.gov

Date *

MM DD YYYY

12 / 16 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-ESP

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

jonathan.sw.yee@hawaii.gov

Date *

MM DD YYYY

12 / 17 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-ED

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

None.

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

jon.m.hosaka@hawaii.gov

Date *

MM DD YYYY

12 / 22 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

HAR-ESP

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

Presentation was professional and informative

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

Vincent.Ching@aecom.com

Date *

MM DD YYYY

09 / 24 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

AECOM

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ◉ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ○ D. A or B.

5. Nonpoint Source pollutants include: *

- ○ A. Pathogens, Sediment, and Litter
- ○ B. Temperature, Sediment, and Groundwater
- ○ C. Impervious Surfaces
- ◉ D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- ◉ A. True
- ○ B. False

7. The purpose of providing erosion and sediment control is to: *

- ○ A. Cause undue hardship and expense on the developer and contractor
- ○ B. Provide jobs for government employees
- ◉ C. Provide a means of construction without harming the environment through sediment pollution
- ○ D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- A. Whoever is the easiest to blame
- B. The downstream property owner
- C. The owner of the project, the authorized representative, and the general contractor/operator
- D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- A. True
- B. False

10. A silt fence needs to be maintained when: *

- A. The sediment reaches one third the height of the fabric
- B. The sediment reaches one half the height of the fabric
- C. The sediment reaches three quarters the height of the fabric
- D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Quiz

One correct answer per question.

Email address *

Bruce.Wade@aecom.com

Date *

MM DD YYYY

09 / 11 / 2020

Company or Office Code (e.g. HAR-EE for Harbors Engineering Branch Environmental Section)

AECOM

1. NPDES is an abbreviation of: *

- A. National Policy for Discharge of Erosion and Sediment
- B. National Pollutant Development and Elimination System
- C. National Pollutant Discharge Elimination System.
- D. None of the above.

2. Sediment degrades maritime habitats by: *

- ○ A. Filling in deep pools which give fish protective cover
- ○ B. Covering over gravel bottoms used by fish to deposit eggs
- ○ C. Blocking light and inhibiting photosysthesis, and abrading coral
- ◉ D. All of the above.

3. A stabilized construction entrance: *

- ○ A. Is best constructed with 3" to 6" crushed stone
- ○ B. Can have geotextile fabric underneath the crushed stone
- ○ C. Needs continual maintenance
- ◉ D. All of the above.

4. Sediment tracked onto roads by construction activity must be cleaned up: *

- ○ A. By the end of the same work day
- ○ B. By the end of the next work day if track-out occurs during non-working hours
- ○ C. Twice a day.
- ◉ D. A or B.

5. Nonpoint Source pollutants include: *

- (●) A. Pathogens, Sediment, and Litter
- ( ) B. Temperature, Sediment, and Groundwater
- ( ) C. Impervious Surfaces
- ( ) D. All of the above.

6. True or False? Clay soils are less permeable than sandy soils. *

- (●) A. True
- ( ) B. False

7. The purpose of providing erosion and sediment control is to: *

- ( ) A. Cause undue hardship and expense on the developer and contractor
- ( ) B. Provide jobs for government employees
- (●) C. Provide a means of construction without harming the environment through sediment pollution
- ( ) D. Give environmental activists something to do

8. Who is responsible for controlling sediment pollution? *

- ○ A. Whoever is the easiest to blame
- ○ B. The downstream property owner
- ◉ C. The owner of the project, the authorized representative, and the general contractor/operator
- ○ D. None of the above

9. True or False? Only extremely high levels of sediment can harm fish in ocean and streams. *

- ○ A. True
- ◉ B. False

10. A silt fence needs to be maintained when: *

- ◉ A. The sediment reaches one third the height of the fabric
- ○ B. The sediment reaches one half the height of the fabric
- ○ C. The sediment reaches three quarters the height of the fabric
- ○ D. None of the above.

Comments:

MAHALO NUI LOA! Thank you very much!

This content is neither created nor endorsed by Google.

Google Forms

Attachment 4.c

Construction and Post-Construction Training Surveys

2020 HDOT Harbors Construction and Post-Construction Training Survey

Questions Responses 43

43 responses

Accepting responses

Summary Question Individual

Who has responded?

Email

leon@cme-hawaii.com

minhl@goodfellowbros.com

evank@rmtowill.com

chriss@rmtowill.com

tarync@rmtowill.com

fgaliza@paulselectrical.com

ddenton@gracepacific.com

tashton@gracepacific.com

1. How does your job relate to storm water management?

43 responses

Contractor

Civil Engineer

I am assisting Harbors with managing small MS4s

I am a Project Manager at a Construction Management firm where we oversee many projects that have BMP requirements and procedures.

Airport

i oversee construction jobsites

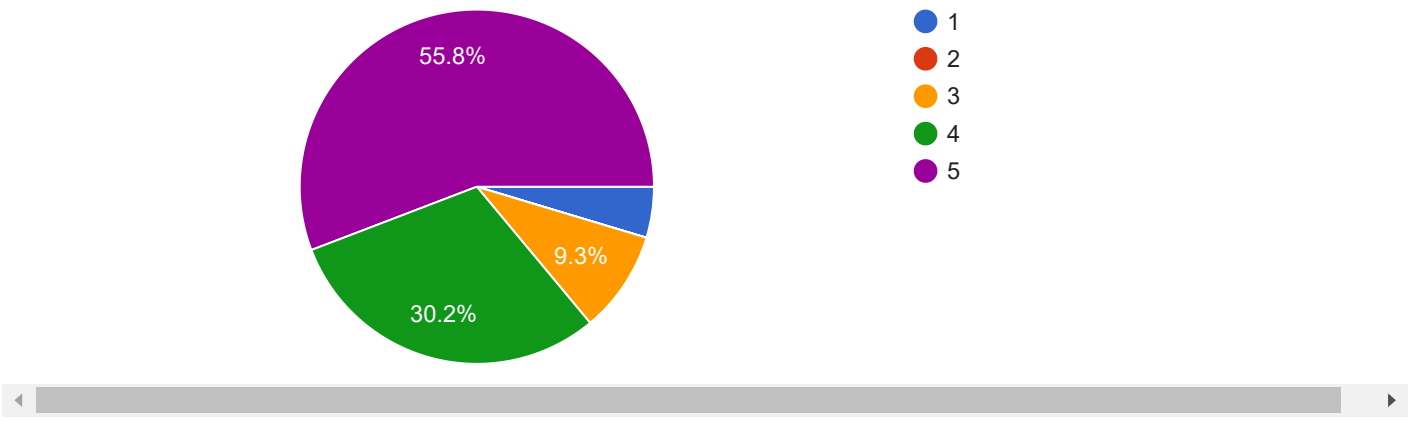
Develop SWPPPs, Construction Documents, and manage the implementation of SWPPPs

ensuring contractor has/ maintains proper BMPs in order to protect our waters/ environment/ people.

jobsite containment

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice.

43 responses



3. What was the most interesting part you learned in this training?

43 responses

Good and bad examples

It was interesting to learn about the various BMP measures used when dealing with Harbors projects. A majority of the projects I have worked on dealt mainly with highways and roadway improvements.

different types of BMPs

maintaining bmps

Harbor specific BMPs and development of Harbor related SWPPPs

I enjoyed Jason Lau's presentation about erosion repairs

All new information provided.

The many different BMP methods

dual use of BMP's

4. What other topics would you like to see covered in this training?

43 responses

None

None.

All is good.

I would like to see more about the procedures that highlight measures taken on Harbors projects.

heavy rainfall

covered pretty much everything i wanted to know

Enforcement

more permanent BMPs specific to Hawaii

N/A

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video?

43 responses

None

none

N/A

No

no

n/a

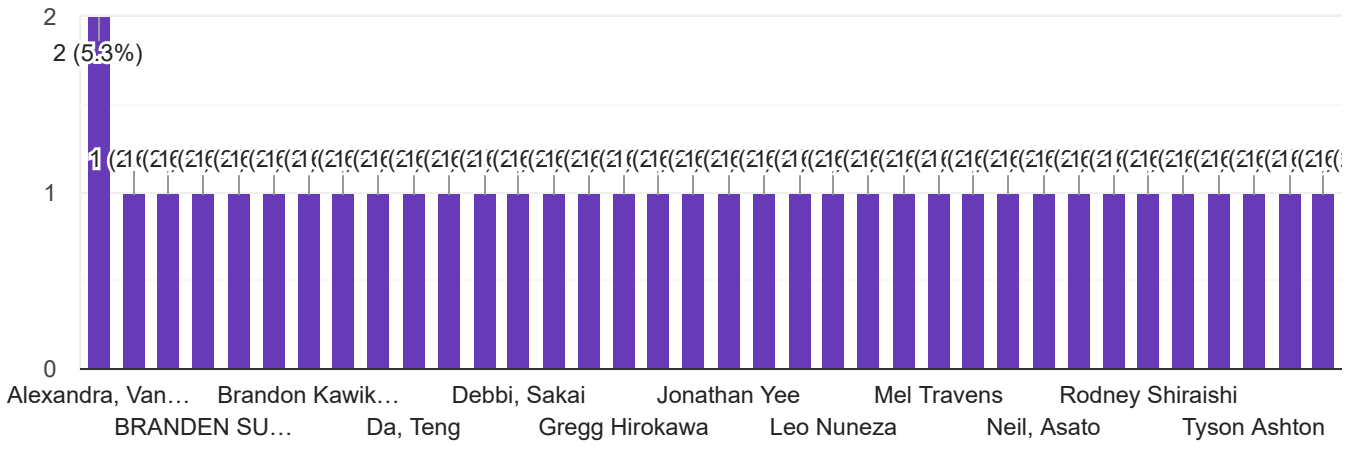
No.

No comment.

great video

Name (First, Last)

38 responses



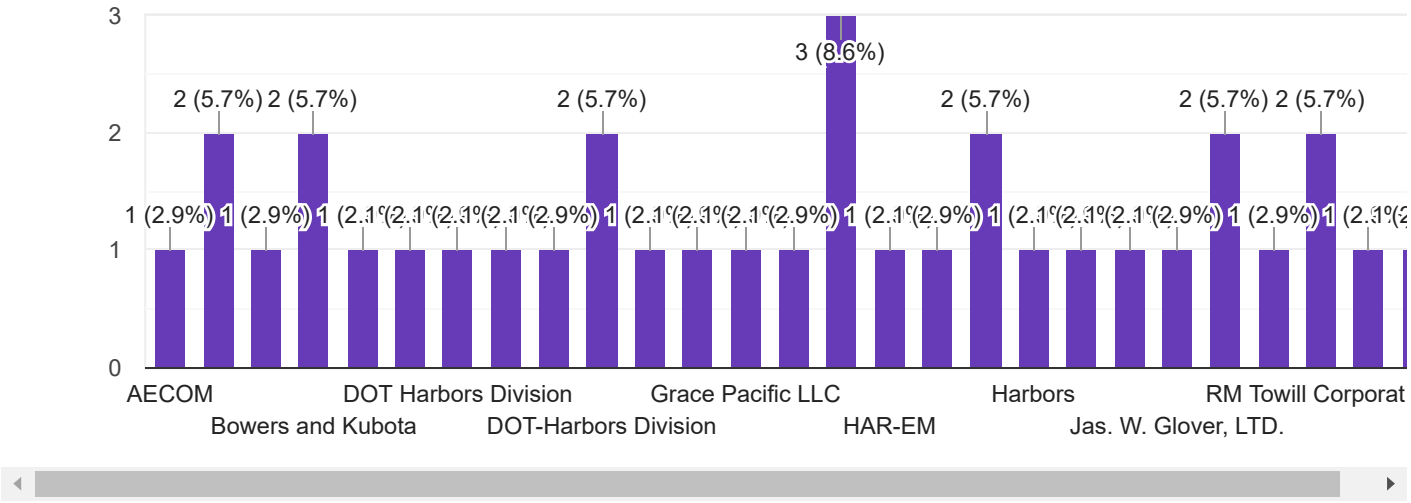
Date:

38 responses

Nov 1989	10
Sep 2020	11
Nov 2020	9 10 2 18 15 19 20 23 24
Dec 2020	1 9 3 10 4 14 3 15 16 17

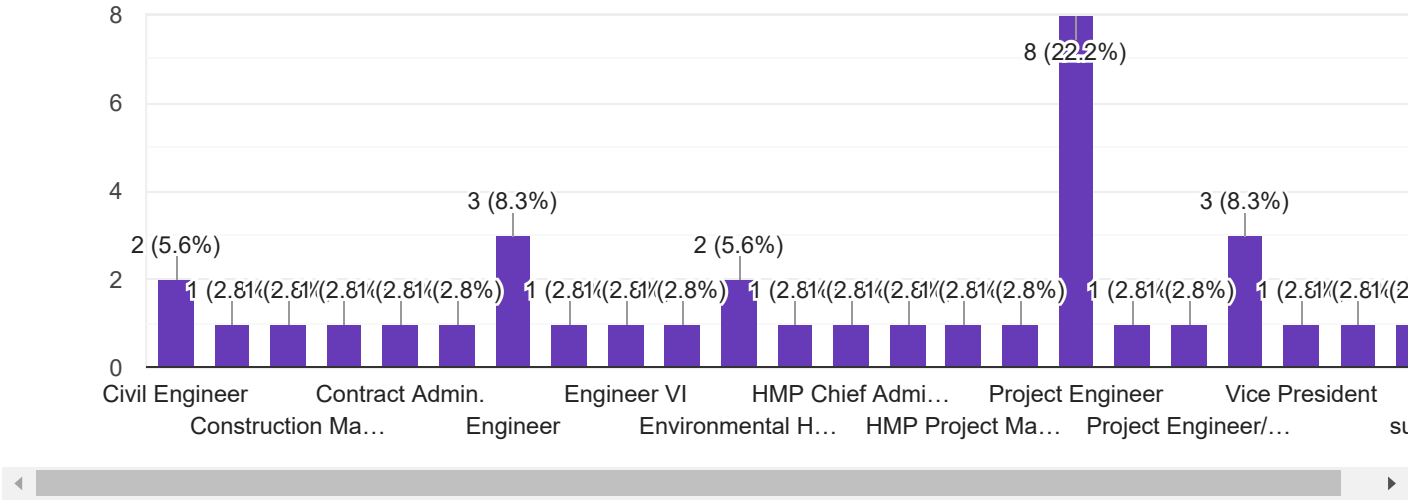
Company:

35 responses



Job Title:

36 responses



2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

1. How does your job relate to storm water management? *

I am assisting Harbors with managing small MS4s

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

Good and bad examples

4. What other topics would you like to see covered in this training? *

All is good.

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

None

Name (First, Last)

Joy Zhang

Date:

MM DD YYYY

11 / 09 / 2020

Company:

Job Title:

Environmental Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

leon@cme-hawaii.com

1. How does your job relate to storm water management? *

I am a Project Manager at a Construction Management firm where we oversee many projects that have BMP requirements and procedures.

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

It was interesting to learn about the various BMP measures used when dealing with Harbors projects. A majority of the projects I have worked on dealt mainly with highways and roadway improvements.

4. What other topics would you like to see covered in this training? *

I would like to see more about the procedures that highlight measures taken on Harbors projects.

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

No comment.

Name (First, Last)

Leo Nuneza

Date:

MM DD YYYY

11 / 18 / 2020

Company:

Construction Management & Engineering, LLC.

Job Title:

Project Manager

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

minhl@goodfellowbros.com

1. How does your job relate to storm water management? *

Airport

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ◉ 4
- ○ 5

3. What was the most interesting part you learned in this training? *

different types of BMPs

4. What other topics would you like to see covered in this training? *

heavy rainfall

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

n/a

Name (First, Last)

Date:

MM DD YYYY

/ /

Company:

Job Title:

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

evank@rmtowill.com

1. How does your job relate to storm water management? *

i oversee construction jobsites

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

maintaining bmps

4. What other topics would you like to see covered in this training? *

covered pretty much everything i wanted to know

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

great video

Name (First, Last)

Evan Kaichi

Date:

MM DD YYYY

11 / 18 / 2020

Company:

R.M. Towill Corporation

Job Title:

construction engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

chriss@rmtowill.com

1. How does your job relate to storm water management? *

Develop SWPPPs, Construction Documents, and manage the implementation of SWPPPs

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

Harbor specific BMPs and development of Harbor related SWPPPs

4. What other topics would you like to see covered in this training? *

Enforcement

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

Discuss more case studies.

Name (First, Last)

Chris Sparber

Date:

MM DD YYYY

11 / 18 / 2020

Company:

RM Towill Corporation

Job Title:

Design Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

tarync@rmtowill.com

1. How does your job relate to storm water management? *

ensuring contractor has/ maintains proper BMPs in order to protect our waters/ environment/ people.

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

I enjoyed Jason Lau's presentation about erosion repairs

4. What other topics would you like to see covered in this training? *

more permanent BMPs specific to Hawaii

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

no comments. The videos are to the point and informative. Update video content when needed. Its a good refresher watching them every year.

Name (First, Last)

Taryn Chun

Date:

MM DD YYYY

11 / 18 / 2020

Company:

RM Towill Corporation

Job Title:

Construction Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

fgaliza@paulselectrical.com

1. How does your job relate to storm water management? *

Contractor

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

All new information provided.

4. What other topics would you like to see covered in this training? *

N/A

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

N/A

Name (First, Last)

Franklin Galiza

Date:

MM DD YYYY

11 / 18 / 2020

Company:

Paul's Electrical Contracting

Job Title:

Project Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

ddenton@gracepacific.com

1. How does your job relate to storm water management? *

Contractor

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ◉ 4
- ○ 5

3. What was the most interesting part you learned in this training? *

The many different BMP methods

4. What other topics would you like to see covered in this training? *

More cost impact to Contractor and Owner

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

Everything was great

Name (First, Last)

Date:

MM DD YYYY

/ /

Company:

Job Title:

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

tashton@gracepacific.com

1. How does your job relate to storm water management? *

jobsite containment

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

dual use of BMP's

4. What other topics would you like to see covered in this training? *

safety practices

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

Onsite training

Name (First, Last)

Tyson Ashton

Date:

MM DD YYYY

11 / 18 / 2020

Company:

Grace Pacific

Job Title:

superintendent

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

avandewater@bchdesign.com

1. How does your job relate to storm water management? *

Civil Engineer

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

The new regulations are very important and interesting

4. What other topics would you like to see covered in this training? *

Best practices are always good to include

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

no recommendations, video is great, thank you

Name (First, Last)

Alexandra, Van De Water

Date:

MM DD YYYY

11 / 10 / 2020

Company:

Belt Collins Hawaii

Job Title:

Civil Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

contract1-henrysequ@hawaii.rr.com

1. How does your job relate to storm water management? *

Contractor

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

Best Management Practices on any construction site is an essential part of protecting our environment.

4. What other topics would you like to see covered in this training? *

climate change and its effect towards protecting our water but also environment.

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

interactive Q & A that pertains to topics of discussion to get attendees involved

Name (First, Last)

Lois Remeliik

Date:

MM DD YYYY

11 / 18 / 2020

Company:

Henry's Equipment

Job Title:

Contract Admin.

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

danielm@gloverltd.com

1. How does your job relate to storm water management? *

Construction

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ◉ 3
- ○ 4
- ○ 5

3. What was the most interesting part you learned in this training? *

Phasing to incorporate BMP practices

4. What other topics would you like to see covered in this training? *

Detention basins

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

No

Name (First, Last)

Daniel Matsumoto

Date:

MM DD YYYY

11 / 18 / 2020

Company:

Jas. W. Glover, LTD.

Job Title:

Project Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

bantonio@gracepacific.com

1. How does your job relate to storm water management? *

Protecting our island environment

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ◉ 4
- ○ 5

3. What was the most interesting part you learned in this training? *

How to control and prevent harmful solutions getting into our water.

4. What other topics would you like to see covered in this training? *

Add alternative solution if one the current solution does not work.

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

No.

Name (First, Last)

Bobby Antonio

Date:

MM DD YYYY

11 / 10 / 1989

Company:

Grace Pacific LLC

Job Title:

Project Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

Debbi@wrsasolutions.com

1. How does your job relate to storm water management? *

Construction Management

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ◉ 4
- ○ 5

3. What was the most interesting part you learned in this training? *

Sediment discharge prevention

4. What other topics would you like to see covered in this training? *

I would like to learn more about legal matters, changes in policies, ect for the clean water act. (ex. pitfalls and how to avoid them)

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

This is my first time attending and I am learning a lot. I think no change is needed.

Name (First, Last)

Debbi, Sakai

Date:

MM DD YYYY

11 / 18 / 2020

Company:

WRSA

Job Title:

Project Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

anicolas@paulselectrical.com

1. How does your job relate to storm water management? *

Contractor

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

The different types of permanent BMPs

4. What other topics would you like to see covered in this training? *

More information on Hydrodynamic Separators

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

N/A

Name (First, Last)

Allana, Nicolas

Date:

MM DD YYYY

11 / 18 / 2020

Company:

Paul's Electrical Contracting

Job Title:

Project Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

jstone@bchdesign.com

1. How does your job relate to storm water management? *

designer

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

no particular part stood out

4. What other topics would you like to see covered in this training? *

green stormwater infrastructure

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

none

Name (First, Last)

Jay Stone

Date:

MM DD YYYY

11 / 18 / 2020

Company:

Belt Collins Hawaii LLC

Job Title:

Vice President

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

bbautista@bowersandkubota.com

1. How does your job relate to storm water management? *

Third Party BMP Inspector

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ◉ 4
- ○ 5

3. What was the most interesting part you learned in this training? *

Proper BMP's to be installed

4. What other topics would you like to see covered in this training? *

Examples of inspections and corrective actions

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

Maybe just an example of a harbors inspection report/corrective action

Name (First, Last)

Brandon Bautista

Date:

MM DD YYYY

11 / 18 / 2020

Company:

Bowers and Kubota

Job Title:

Project Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

randally@rmtowill.com

1. How does your job relate to storm water management? *

construction plan designs with storm water management

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ◉ 4
- ○ 5

3. What was the most interesting part you learned in this training? *

sediment control design

4. What other topics would you like to see covered in this training? *

plan approval

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

no

Name (First, Last)

Randall Yong

Date:

MM DD YYYY

11 / 18 / 2020

Company:

Job Title:

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

steveyongpark@gmail.com

1. How does your job relate to storm water management? *

I need to maintain storm water managements as I work for a GC

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ◉ 4
- ○ 5

3. What was the most interesting part you learned in this training? *

Oil water Separator

4. What other topics would you like to see covered in this training? *

Certain Permits needed.

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

none

Name (First, Last)

Date:

MM DD YYYY

/ /

Company:

Job Title:

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

avandewater@bchdesign.com

1. How does your job relate to storm water management? *

Civil Engineer

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

The different DOT Harbors permit numbers, PSMP

4. What other topics would you like to see covered in this training? *

the training was very thorough, no suggestions for additional topics

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

The resolution was a little fuzzy, but maybe that was from watching it over Zoom

Name (First, Last)

Alexandra, Van De Water

Date:

MM DD YYYY

11 / 10 / 2020

Company:

Belt Collins Hawaii

Job Title:

Civil Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

ying.j.zhang@hawaii.gov

1. How does your job relate to storm water management? *

My job includes overseeing the implementation of SWMP at Harbors Division

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

Overall layout of the program

4. What other topics would you like to see covered in this training? *

None at this point.

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

None

Name (First, Last)

Ying Zhang

Date:

MM DD YYYY

11 / 18 / 2020

Company:

State of Hawaii Department of Transportation, Harbors Division

Job Title:

Engineer VI

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

lauren.mt.young@hawaii.gov

1. How does your job relate to storm water management? *

Oversee construction projects

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ◉ 3
- ○ 4
- ○ 5

3. What was the most interesting part you learned in this training? *

post-construction bmps

4. What other topics would you like to see covered in this training? *

other bmps for sites mainly concrete (i.e. no soil)

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

no

Name (First, Last)

Lauren Young

Date:

MM DD YYYY

11 / 18 / 2020

Company:

DOT-Harbors Division

Job Title:

Engineer V

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

branden.sumida@hawaii.gov

1. How does your job relate to storm water management? *

Engineering Repair and Maintenance

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

Reviewing Plans

4. What other topics would you like to see covered in this training? *

None

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

None

Name (First, Last)

BRANDEN SUMIDA

Date:

MM DD YYYY

11 / 19 / 2020

Company:

HAR-EM

Job Title:

Project Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

da.teng@hawaii.gov

1. How does your job relate to storm water management? *

Yes, my job involves with BMP inspection

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

To learn how sediments affect marine lives.

4. What other topics would you like to see covered in this training? *

None.

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

I think it is good enough.

Name (First, Last)

Da, Teng

Date:

MM DD YYYY

11 / 20 / 2020

Company:

HAR-ED

Job Title:

Project Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

michele.gn.freitas@hawaii.gov

1. How does your job relate to storm water management? *

We review the design of each project, trying to be proactive.

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

I liked the pictures that related to each topic. It showed great examples of what to look for and the proper and improper ways the BMPs are installed.

4. What other topics would you like to see covered in this training? *

I would like to know if any fines were issued or were there only warning letters? This would tell me how much leverage we have towards a repeat offender.

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

Possibly make it shorter to include questions.

Name (First, Last)

Michele Freitas

Date:

MM DD YYYY

11 / 23 / 2020

Company:

Department of Transportation - Harbors Division

Job Title:

Environmental Health Specialist

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

mitchell.a.martello@hawaii.gov

1. How does your job relate to storm water management? *

HAR-EE performs stormwater compliance according to Harbor's NPDES Permit

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- (●) 1
- ( ) 2
- ( ) 3
- ( ) 4
- ( ) 5

3. What was the most interesting part you learned in this training? *

selecting BMP types and maintenance

4. What other topics would you like to see covered in this training? *

None, seemed to cover all bases

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

Video was quite long, could condense it if possible in order not keep trainees attention

Name (First, Last)

Mitchell Martello

Date:

MM DD YYYY

11 / 24 / 2020

Company:

Hawaii DOT Harbors Division

Job Title:

Environmental Health Specialist

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

bbautista@bowersandkubota.com

1. How does your job relate to storm water management? *

I am a SWMP inspector

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

The effects that sediment can have to our ocean and quality of fish.

4. What other topics would you like to see covered in this training? *

Examples containing harbor inspections

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

N/A

Name (First, Last)

Brandon Kawika Bautista

Date:

MM DD YYYY

12 / 01 / 2020

Company:

Bowers and Kubota

Job Title:

Project Engineer/SWMP Inspector

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

wade.takamoto@hawaii.gov

1. How does your job relate to storm water management? *

Involved with design and construction functions.

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ◉ 4
- ○ 5

3. What was the most interesting part you learned in this training? *

silt fence

4. What other topics would you like to see covered in this training? *

none

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

none

Name (First, Last)

Date:

MM DD YYYY

/ /

Company:

Job Title:

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

ronney.r.oliveros@hawaii.gov

1. How does your job relate to storm water management? *

I will be assigned projects where I'll be responsible to conduct and/or assist with Construction BMP inspections.

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

The potential impacts to the marine habitat and the measures used to mitigate these impacts.

4. What other topics would you like to see covered in this training? *

I'd like to see more case studies with emphasis on what common short comings are discovered along with acceptable recovery actions.

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

I recommend that recent or current case studies always be included in the BMP training effort.

Name (First, Last)

Ronney Oliveros

Date:

MM DD YYYY

12 / 09 / 2020

Company:

HAR-ESP

Job Title:

HMP Project Manager

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

xiping.huang@hawaii.gov

1. How does your job relate to storm water management? *

My job does not relate to storm water management very much.

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

The procedure of environmental control before to complete a construction project.

4. What other topics would you like to see covered in this training? *

Harbors Construction Process

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

No, I don't have recommendations.

Name (First, Last)

Xiping Huang

Date:

MM DD YYYY

12 / 09 / 2020

Company:

HAR-EP

Job Title:

Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

neil.m.asato@hawaii.gov

1. How does your job relate to storm water management? *

construction project engineer

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

Refresher for information.

4. What other topics would you like to see covered in this training? *

Updates when held.

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

No.

Name (First, Last)

Neil, Asato

Date:

MM DD YYYY

12 / 09 / 2020

Company:

HAR-EC

Job Title:

Construction Project Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

rodney.s.shiraishi@hawaii.gov

1. How does your job relate to storm water management? *

Directly related as majority of projects are near to waterfront.

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- (●) 1
- ( ) 2
- ( ) 3
- ( ) 4
- ( ) 5

3. What was the most interesting part you learned in this training? *

All equal

4. What other topics would you like to see covered in this training? *

n/a

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

n/a

Name (First, Last)

Rodney Shiraishi

Date:

MM DD YYYY

12 / 10 / 2020

Company:

HAR-ESP

Job Title:

Project Manager

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

gregg.hirokawa@hawaii.gov

1. How does your job relate to storm water management? *

Designer

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ◉ 3
- ○ 4
- ○ 5

3. What was the most interesting part you learned in this training? *

Review

4. What other topics would you like to see covered in this training? *

None

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

Nono

Name (First, Last)

Gregg Hirokawa

Date:

MM DD YYYY

12 / 10 / 2020

Company:

DOT Harbors

Job Title:

Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

richard.yoneda@hawaii.gov

1. How does your job relate to storm water management? *

we do construction management

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ◉ 3
- ○ 4
- ○ 5

3. What was the most interesting part you learned in this training? *

none

4. What other topics would you like to see covered in this training? *

new products and technology

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

none

Name (First, Last)

Richard Yoneda

Date:

MM DD YYYY

12 / 10 / 2020

Company:

DOT Harbors Division

Job Title:

HMP Chief Administrative Officer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

dean.watase@hawaii.gov

1. How does your job relate to storm water management? *

More during post-construction BMPs.

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ◉ 4
- ○ 5

3. What was the most interesting part you learned in this training? *

Post-construction BMP options.

4. What other topics would you like to see covered in this training? *

Nothing else to add.

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

None at the moment.

Name (First, Last)

Dean Watase

Date:

MM DD YYYY

12 / 10 / 2020

Company:

Job Title:

HAR-EP

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

jerome.g.aguada@hawaii.gov

1. How does your job relate to storm water management? *

Review of plans to incorporate storm water management

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

BMPs for Site Construction

4. What other topics would you like to see covered in this training? *

No other topics

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

No

Name (First, Last)

Jerome Aguada

Date:

MM DD YYYY

12 / 14 / 2020

Company:

HAR-ED

Job Title:

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

arnold.fukumoto@hawaii.gov

1. How does your job relate to storm water management? *

Storm water management will be included into the design documents.

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ◉ 4
- ○ 5

3. What was the most interesting part you learned in this training? *

Enforcement

4. What other topics would you like to see covered in this training? *

Topics were covered satisfactorily.

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

None

Name (First, Last)

Arnold Fukumoto

Date:

MM DD YYYY

12 / 14 / 2020

Company:

DOT-Harbors

Job Title:

Maintenance engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

mark.a.yamabe@hawaii.gov

1. How does your job relate to storm water management? *

Manages design of construction projects.

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ◉ 4
- ○ 5

3. What was the most interesting part you learned in this training? *

Specific BMP methods.

4. What other topics would you like to see covered in this training? *

Lessons learned.

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

More photos of BMP methods.

Name (First, Last)

Date:

MM DD YYYY

/ /

Company:

Job Title:

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

long.f.chen@hawaii.gov

1. How does your job relate to storm water management? *

from construction work

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

maintenanceof silt fence

4. What other topics would you like to see covered in this training? *

different types of environmental permits

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

None

Name (First, Last)

Long, Chen

Date:

MM DD YYYY

12 / 14 / 2020

Company:

HAR-ED

Job Title:

Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

william.h.makanui@hawaii.gov

1. How does your job relate to storm water management? *

Responsible for managing construction projects (and runoff associated with)

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ◉ 4
- ○ 5

3. What was the most interesting part you learned in this training? *

all

4. What other topics would you like to see covered in this training? *

none come to mind

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

no

Name (First, Last)

william makanui

Date:

MM DD YYYY

12 / 15 / 2020

Company:

DOT Harbors Division, Special Projects Group

Job Title:

HMP Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

melchor.a.travens@hawaii.gov

1. How does your job relate to storm water management? *

Implementation of the NPDES permit requirements and BMP for our construction projects.

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

The effects nonpoint source pollutants can have on the environment.

4. What other topics would you like to see covered in this training? *

None at this time. I thought the video covered the topic very well.

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

None at this time. A good education tool for the contractors and tenants.

Name (First, Last)

Mel Travens

Date:

MM DD YYYY

12 / 16 / 2020

Company:

DOT-Harbors Division

Job Title:

Project Manager

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

jonathan.sw.yee@hawaii.gov

1. How does your job relate to storm water management? *

Related thru ensuring design addresses storm water management.

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ◉ 4
- ○ 5

3. What was the most interesting part you learned in this training? *

Seeing photos of how bmps are implemented or not.

4. What other topics would you like to see covered in this training? *

None.

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

Summarize the training at the end.

Name (First, Last)

Jonathan Yee

Date:

MM DD YYYY

12 / 17 / 2020

Company:

Harbors

Job Title:

Project Engineer

This content is neither created nor endorsed by Google.

Google Forms

2020 HDOT Harbors Construction and Post-Construction Training Survey

MAHALO NUI LOA!

Email address *

Bruce.Wade@aecom.com

1. How does your job relate to storm water management? *

Oversight of contractor's construction activities including maintenance of BMPs.

2. Did you find this Construction and Post-Construction Training relevant and useful? (On a scale of 1 to 5, with 1 for not relevant/useful to 5 extremely relevant/useful) Please select your choice. *

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ◉ 5

3. What was the most interesting part you learned in this training? *

Projects larger than 1 acre require permanent BMP inclusion in design.

4. What other topics would you like to see covered in this training? *

More specific discussion on appropriate BMPs for piers and work near water.

5. Do you have any recommendations on how to improve this Construction and Post-Construction BMP training video? *

No

Name (First, Last)

Bruce Wade

Date:

MM DD YYYY

09 / 11 / 2020

Company:

AECOM

Job Title:

Construction Manager

This content is neither created nor endorsed by Google.

Google Forms

Attachment 4.d

Construction and Post-Construction Training
POW Conference Summary



Post-Conference Summary Report

Conference Summary	
Total Number of Registrants	630
Total Users Logged in on 11/18/20	530

Webinar Title	Total Views
Housekeeping Do's and Don'ts	328
Evaluating & Managing Contaminated Soil	256
Clean Water Act Violation Case Studies	249
Innovative Construction Stormwater Management in a Transportation Environment	279
Permanent Erosion Repair	261
Inspection with a DOT Third Party Inspector	221
Cost-Effective Erosion and Sediment Control Design	221
Proposed Rules to Address Nonpoint Source Pollution with a Side of Recognition/Inspection Targeting and Increased Penalties	243
Construction BMPs for Post-Construction BMPs	287
Approved SWPPPs Do Not Illustrate How to Prevent Sediment Discharges or Erosion	196
Permanent BMP Manual Requirements	159
Improving Construction Site Storm Water Compliance with Inspections, Data Analytics, Training, and Enforcement Tools	279
DOT-HAR Construction Training Video	139
DOTA Construction Processes, Standards, and Permanent BMPs	265



Vendor Summary	Total Booth Visits	Total Docs. Viewed
State of Hawaii, Department of Transportation - Highways Division, Oahu District	1182	1587
State of Hawaii, Department of Transportation - Highways Division, Maui District	854	1135
State of Hawaii, Department of Transportation - Airports Division	740	929
State of Hawaii, Department of Transportation - Harbors Division	565	1195
ABT, Inc.	419	193
CISEC, Inc./Hydrodynamics Inc.	322	273
City & County of Honolulu	538	788
Dash Pacific	356	404
Department of Health - Hazard Evaluation and Emergency Response Office	388	708
Engineered Systems, Inc.	330	171
Erosion Control Specialists, LLC.	370	200
G P Roadway Solutions	366	585
Geotech Solutions, Inc.	457	524
Jensen Precast	319	483
Outpak Washout	269	170
Pacific Pipe	297	87
RW Supply & Contech Engineered Solutions	322	345
RYMAR Waterworks Innovations	283	213
Statewide Safety Systems	333	405
Walker Industries	315	1001

MĀLAMA I KA WAI
DOT - AIRPORTS

PROTECT OUR WATER
MĀLAMA I KA WAI
www.stormwaterhawaii.com

PROTECT OUR WATER
- MĀLAMA I KA WAI -
HDOT Highways Division - Maui District

PROTECT OUR HARBOR WATERS
MĀLAMA I KE AWA KAI

Attachment 5.a

HDOT-Harbors Employee Training Outreach Educational Email

Zhang, Ying J

From: Chow, Derek J
Sent: Friday, October 2, 2020 8:23 AM
To: DOT HAR All Users
Cc: Butay, Jade; Araki-Regan, Lynn; Sakahara, Timothy J; Kunishige, Shelly Y
Subject: Your Participation Is Required - 2020 HDOT Harbors Division Stormwater Program - Employee Outreach & Survey: SUSPENSE October 30, 2020. - TIME SENSITIVE
Attachments: EnviroHarbor Broch_Final.pdf; 2020 HDOT Harbors Employee Annual Survey.docx

Importance: High

Aloha Harbors Team –
Although the COVID-19 pandemic is still impacting our lives, we cannot forget about our environmental stewardship and responsibility. Your participation in completing the attached survey is needed for Harbors Division to meet its environmental compliance requirements. Please review the information below and return the attached mandatory stormwater awareness survey before October 30, 2020. This survey is required by the 2014 US EPA Consent Decree issued for Honolulu Harbor and Kalaeloa Barbers Point Harbor.

This year, we refocus our stormwater awareness training with the theme of **3R**'s – "**Reduce, Reuse, Recycle**." A reference brochure is attached for your convenience. If you'd like to receive a hard copy, please contact HAR-EE at (808) 587-1962. Small actions you can take in your daily routine can collectively make a major contribution towards reducing waste, minimizing use of landfills, and reducing carbon footprint.

- **Reduce** – Less waste means there is less to recycle so it pays to be a wise consumer. Some examples would be to avoid using or purchasing one-time use goods or turn off the lights when not in use.
- **Reuse** – Buy, sell or donate used items. Around your home, there are so many ways we could reuse/repurpose items, such as reusing food-grade glass jars to store food and beverages, reuse an old jar to store loose items, reuse newspaper to pack items, just to name a few.
- **Recycle** – Carefully purchasing recyclable products can be a first step towards efficient recycling. Some small steps include purchasing products that can be recycled such as glass jars, buying non-toxic products whenever possible, etc. Participating in the HI-5 Program.

Here are some on-going Harbors Team efforts for our stormwater management program (aka SWMP) and Pollution Prevention (P2) that occurred over the last few months, as we continue to strive towards environmental excellence.

Stormwater Awareness Outreach to Oahu tenants is now available online at https://hidot.hawaii.gov/harbors/2020-annual-storm-water-awareness-training-for-dot-harbors-tenants/. This online training video covers the basis in terms of SWMP including the effort to reduce rainwater runoff into streets, lawns, construction sites, and other locations through the implementations of different types of BMPs. Keep in mind that **anything that enters a storm drain system at Harbors would end up in the ocean without treatment**.

- To protect our vital water resources, our collaborative teams have been working diligently on identifying and eliminating sources of **illicit discharge**, which is defined as **a non-stormwater discharge that poses a risk to the environment**, such as uncontained

wash water, uncontained aggregate spillage at pier side, fuel spill, leaking vehicles/equipment where a sheen is visible on the ground, and uncontained sediment laden water from construction site, etc.

- Oahu District continues to inspect, clean, and stencil storm drains; to install/repair P2 signs; patrol the piers and continue to observe and report any suspected illicit discharge to further defer such incident from occurring again. **To report a suspected illicit discharge that occurred at Honolulu Harbor or Kalaeloa Barbers Point harbor, please call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076 (available 24/7); for neighbor islands, please report suspected illicit discharge to your supervisor or District Manager. For more information, feel free to reach out to Harbors Environmental Hotline at (808) 587-1962.**
- Detaining stormwater and removing pollutants are the primary purpose of stormwater management. Oahu District near completion with the five-year storm drain system cleaning cycle and the Engineering Branch is in design on storm drain retrofit projects, with construction scheduled in 2021.
- Going forward, Property Management will continue the oversight of all harbor tenants and ensure that tenants stay in compliance with each respective revocable permit and lease agreement. Harbors Management Information Systems will continue to update and maintain our Harbors Division website. Harbors Engineering will continue to oversee the implementation of our SWMP and compliance with the 2014 Consent Decree requirements.
- Stormwater Awareness Message - ***"Mālama i ke awa kai"* – Protect Our Harbor Waters**
- For more information on Harbors Stormwater Management, please visit us online at http://hidot.hawaii.gov/harbors/malamaikeawakai/, which includes a listing of BMP fliers developed by Harbors Engineering Environmental Section.

This year's survey consists of 10 multiple-choice questions and other types. Most of the survey answers can be found in the information shared. Your participation helps us continually improve our program goal of positive change.

There are two ways to complete the survey:

1. **ONLINE** at https://forms.gle/n9npE6UWFzhSCFP28



2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA! Note: One answer per question

forms.gle

Click on **Submit button** when you are done, a message of "Your response has been recorded." will follow to confirm your submittal.

OR

2. **SEND A COPY**. Complete the survey attached to this email, making sure to fill in your name, office code, date, and provide any comments (if any), and send it to Ms. Ying "Joy" Zhang of HAR-EE, through one of the following methods:
   - Email a copy of the completed survey to ying.j.zhang@hawaii.gov
   - Fax to HAR-EE at (808) 587-1864, attn Joy Zhang
   - Route the completed survey to HAR-EE via messenger mail

Please complete this survey by October 30, 2020 to help us meet our goal.

FOR MANAGERS: Please print and provide hard copies of this email and the attach survey for your employees who do not have email or daily access to a computer for them to read and fill out, then please route the completed surveys to HAR-EE.

I am challenging us all to exceed our 91.52% participation rate that we achieved last year! Should you have any questions, please contact Joy Zhang at 587-1960. For more information on Harbors Storm Water Management, please visit us online at http://hidot.hawaii.gov/harbors/malamaikeawakai/.

Thank again for your participation!

Derek

V/R
DEREK J. CHOW
Deputy Director
Department of Transportation
State of Hawaii
79 S. Nimitz Hwy (Pier 11)
Honolulu, HI
(808)587-3651
derek.j.chow@hawaii.gov

Attachment 5.b

HDOT-Harbors Employee Training Survey and Results Summary

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

230 responses constitutes a total of 97.05% HDOT Harbors Division employees.

Publish analytics

Name (First, Last)

230 responses

Clyde Aina

Joy Zhang

Robert Nekoba

Michele Freitas

Derek Chow

Jeffrey Prather

Michael Howells

Shari Lynn Ouchi

Ana Marie Aiu

Office Code (e.g., HAR-EE)

230 responses

HAR-OM

HAR-OCG

HAR-K

HAR-M

HAR-H

HAR-OE

HAR-SF

HAR-EP

HAR-O

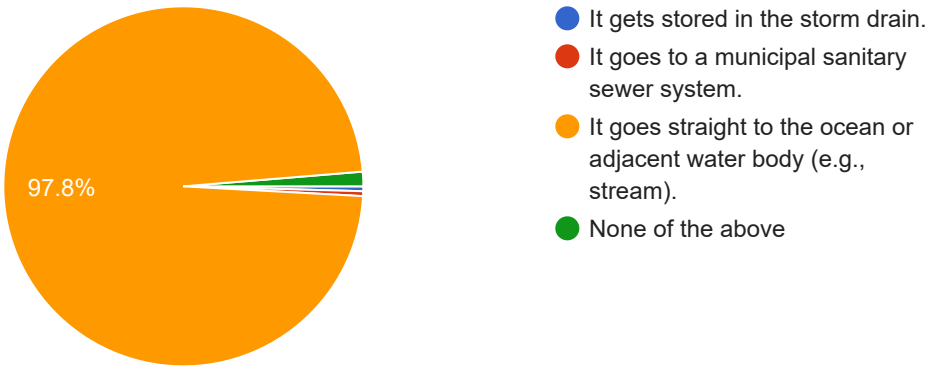
Date:

230 responses

Oct 20	6 8 13 15
Oct 220	2 8
Aug 1961	22
Nov 1969	25
Apr 1974	25
Jan 2020	8
Sep 2020	23 24 2
Oct 2020	2 45 3 2 4 2 5 32 6 11 7 27 8 17 9 3 12 7 13 3 14 3 15 4 16 17 19 6 20 13 21 7 23 3 26 5 27 19 28 5 29

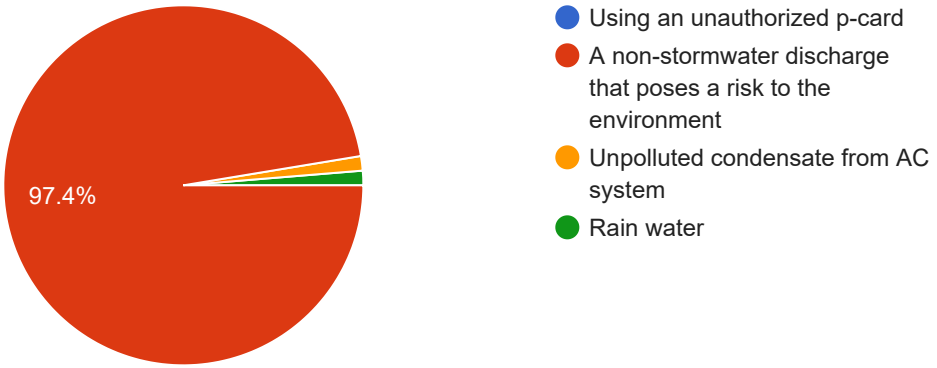
1. What happens to rain water that goes into a storm drain?

230 responses



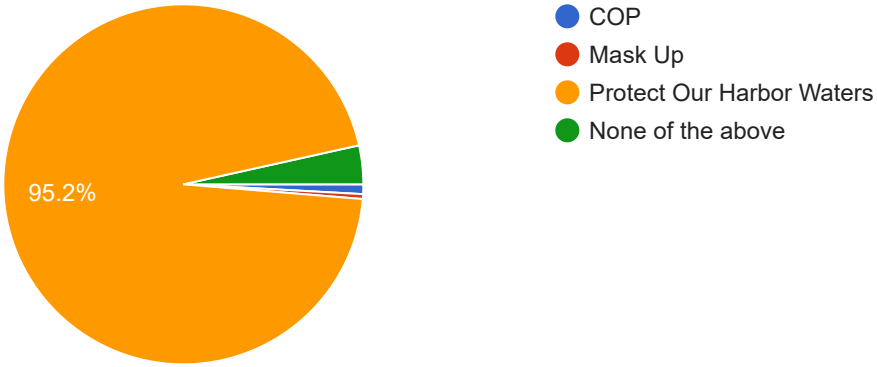
2. What is the definition of an illicit discharge?

230 responses



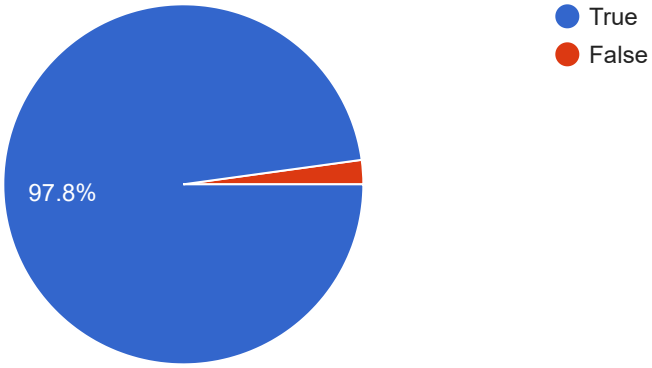
3. Which of the following is Harbors Division stormwater awareness message?

230 responses



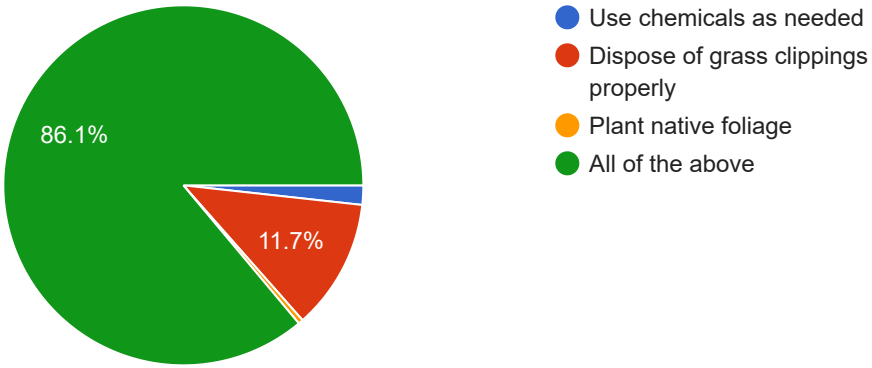
4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain.

230 responses



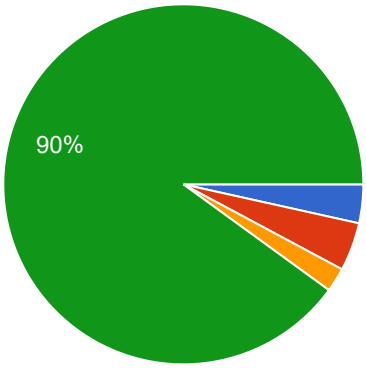
5. When it comes to gardening, which of the following can help reduce impact on water pollution?

230 responses



6. What can you do when you observe a suspected illicit discharge at your harbor area?

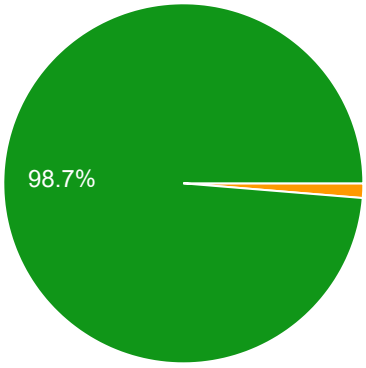
230 responses



- On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- Inform your supervisor.
- Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- All of the above

7. Which of the following can be considered good practices at your home?

230 responses



- Divert rainwater to landscaped area.
- Reroute your car wash water to your lawn.
- Dispose household hazards through programs managed by local county.
- All of the above.

8. Please list at least one action you can take relating to Reduce:

230 responses

Turn off lights

Use cloth napkins instead of paper napkins.

Turn off lights when not in use.

Use cloth napkins instead of paper napkins

Use cloth napkins

Turn off lights when not in use

chemical use

Composting

Use less energy by turning off lights.

9. Please list at least one action you can take relating to Reuse:

230 responses

Recycle

Donate used items.

Reuse water bottles

Donate

Buy, sell or donate used items.

paint thinner

Donate used clothes.

Use stainless steel water bottles

Buy & sell or donate used items.

10. Please list at least one action you can take relating to Recycle:

230 responses

HI-5

Hi-5

Participate in the HI-5 program.

Participate in the HI-5 Program.

Participate in the HI-5 program

Reuse

Participate in HI-5 program

HI-5 recycle.

Recycle aluminum cans.

Please provide any feedback/comment you may have. Thank you.

35 responses

none

None

n/a

Thank you HAR-EE and consultant for keeping Harbors employee aware of their responsibility to protect the environment

Thank you for helping to keep our streams and oceans clean.

Just tell me my score is perfect!

Good job HAR-EE.

Recycling is about caring for the aina and is everyone's kuleana

Recycling and reusing, helps the environment by eliminating possible contaminants

This content is neither created nor endorsed by Google. Report Abuse - Terms of Service - Privacy Policy

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Joy Zhang

Office Code (e.g., HAR-EE) *

HAR-EE

Date: *

MM DD YYYY

09 / 24 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ○ Using an unauthorized p-card
- ◉ A non-stormwater discharge that poses a risk to the environment
- ○ Unpolluted condensate from AC system
- ○ Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ○ COP
- ○ Mask Up
- ◉ Protect Our Harbor Waters
- ○ None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- ◉ True
- ○ False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid using or purchasing one-time use goods. Switch to energy-efficient light bulbs.

9. Please list at least one action you can take relating to Reuse: *

Donate used items yet in good usable conditions to local charities.

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Robert Nekoba

Office Code (e.g., HAR-EE) *

HAR-SI

Date: *

MM DD YYYY

09 / 24 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

buy and use only what you need

9. Please list at least one action you can take relating to Reuse: *

deconstruct and use the materials again

10. Please list at least one action you can take relating to Recycle: *

collecting cans and plastics

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Michele Freitas

Office Code (e.g., HAR-EE) *

HAR-EE

Date: *

MM DD YYYY

09 / 23 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use reusable container such as stainless steel water bottles for drinks.

9. Please list at least one action you can take relating to Reuse: *

Reuse jelly jars to make overnight oats or parfaits.

10. Please list at least one action you can take relating to Recycle: *

Recycle newspaper.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Derek Chow

Office Code (e.g., HAR-EE) *

DEP-H

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

wash vehicles at commercial car wash that has a water recycling system

9. Please list at least one action you can take relating to Reuse: *

capture rain water and use to water garden

10. Please list at least one action you can take relating to Recycle: *

recycle plastics and other materials in gov't programs

Please provide any feedback/comment you may have. Thank you.

Thank you HAR-EE and consultant for keeping Harbors employee aware of their responsibility to protect the environment

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Jeffrey Prather

Office Code (e.g., HAR-EE) *

HAR-O

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Make sure faucets in the home do not drip

9. Please list at least one action you can take relating to Reuse: *

Repurpose glass food containers (pickle jar) to store other items

10. Please list at least one action you can take relating to Recycle: *

Try and buy items that come in containers that are biodegradable

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Michael Howells

Office Code (e.g., HAR-EE) *

HAR-EP

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Live with less.

9. Please list at least one action you can take relating to Reuse: *

Avoid disposable items.

10. Please list at least one action you can take relating to Recycle: *

Repurpose worn items.

Please provide any feedback/comment you may have. Thank you.

Thank you for helping to keep our streams and oceans clean.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Shari Lynn Ouchi

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use reusable bags, utensils, & kitchenware (Avoid disposable items).

9. Please list at least one action you can take relating to Reuse: *

Use a compost bin & reusable bottles.

10. Please list at least one action you can take relating to Recycle: *

Recycle bottles, cardboard, etc.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Ana Marie Aiu

Office Code (e.g., HAR-EE) *

HAR-H

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

when showering, turn off water while you lather self

9. Please list at least one action you can take relating to Reuse: *

donate used clothes

10. Please list at least one action you can take relating to Recycle: *

recycle cans & plastic

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Rodney Shiraishi

Office Code (e.g., HAR-EE) *

HAR-ESP

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use a bucket to wash your car versus a running hose.

9. Please list at least one action you can take relating to Reuse: *

Reuse lumber from demolished projects or wood pallets

10. Please list at least one action you can take relating to Recycle: *

Use plastic food containers to plant seedlings.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Jonathan Yee

Office Code (e.g., HAR-EE) *

HAR-ED

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Reduce driving by teleworking - less dirty car, fewer washings, less fuel used.

9. Please list at least one action you can take relating to Reuse: *

Reuse cardboard boxes from Costco to transport food.

10. Please list at least one action you can take relating to Recycle: *

Recycle used cans and bottles by taking them to the recycling center.

Please provide any feedback/comment you may have. Thank you.

Just tell me my score is perfect!

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Cynthia Lindsey

Office Code (e.g., HAR-EE) *

HAR-H

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

turn off lights when not in use

9. Please list at least one action you can take relating to Reuse: *

donate used items

10. Please list at least one action you can take relating to Recycle: *

participate in hi-5 program

Please provide any feedback/comment you may have. Thank you.

none

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Patrick zarko

Office Code (e.g., HAR-EE) *

har ec

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

cut back on washing vehicles

9. Please list at least one action you can take relating to Reuse: *

reuse water bottles

10. Please list at least one action you can take relating to Recycle: *

recycle more plastic containers

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Robert Cecconi

Office Code (e.g., HAR-EE) *

HAR-K

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid using one-time use goods

9. Please list at least one action you can take relating to Reuse: *

Donate

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 program

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Richard Yoneda

Office Code (e.g., HAR-EE) *

HAR-ESP

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

avoid one-time use plates and utensils

9. Please list at least one action you can take relating to Reuse: *

bring your re-usable bag when shopping

10. Please list at least one action you can take relating to Recycle: *

participate in HI-5 program

Please provide any feedback/comment you may have. Thank you.

Good job HAR-EE.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Rowland Lee

Office Code (e.g., HAR-EE) *

HAR-M

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

use a car wash that recycles it's water instead of your household tap

9. Please list at least one action you can take relating to Reuse: *

collect rainwater for later use in your yard and garden

10. Please list at least one action you can take relating to Recycle: *

collect cardboard, aluminum and plastic and take to neighborhood recycle station

Please provide any feedback/comment you may have. Thank you.

Recycling is about caring for the aina and is everyone's kuleana

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Leitan-Lee Kaili-Mauhili

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ◉ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Using less water to clean

9. Please list at least one action you can take relating to Reuse: *

Reuse containers

10. Please list at least one action you can take relating to Recycle: *

Bottles and Cans to be recycled

Please provide any feedback/comment you may have. Thank you.

Recycling and reusing, helps the environment by eliminating possible contaminants and debris from the environment. Using less will be a challenge, however it is a healthier alternative for future generations and our ocean eco systems.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Logan Williams IV

Office Code (e.g., HAR-EE) *

HAR-OCB

Date: *

MM DD YYYY

04 / 25 / 1974

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use Less

9. Please list at least one action you can take relating to Reuse: *

Recycle

10. Please list at least one action you can take relating to Recycle: *

Reuse

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Wendell Kahaleoumi

Office Code (e.g., HAR-EE) *

HAR-OCB

Date: *

MM DD YYYY

11 / 25 / 1969

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

REUSE

9. Please list at least one action you can take relating to Reuse: *

RECYCLE

10. Please list at least one action you can take relating to Recycle: *

REDUCE

Please provide any feedback/comment you may have. Thank you.

ALOHA

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Iris Craig

Office Code (e.g., HAR-EE) *

HAR-K

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- [x] Use chemicals as needed
- [ ] Dispose of grass clippings properly
- [ ] Plant native foliage
- [ ] All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- [ ] On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- [ ] Inform your supervisor.
- [ ] Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- [x] All of the above

7. Which of the following can be considered good practices at your home? *

- [ ] Divert rainwater to landscaped area.
- [ ] Reroute your car wash water to your lawn.
- [ ] Dispose household hazards through programs managed by local county.
- [x] All of the above.

8. Please list at least one action you can take relating to Reduce: *

Using a reusable water bottle and filling from the tap, instead of buying plastic bottles to reduce the amount of plastic to make those plastic bottles.

9. Please list at least one action you can take relating to Reuse: *

Using the plastic containers that comes with your food packaging and using them over to store items instead of buying Tupperware etc.

10. Please list at least one action you can take relating to Recycle: *

Taking your cans, bottles and newspaper to the recycling center instead of throwing them away in the landfield.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Paul Shimizu

Office Code (e.g., HAR-EE) *

HAR-OCM

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper napkins

9. Please list at least one action you can take relating to Reuse: *

bring your own reusable water bottle daily

10. Please list at least one action you can take relating to Recycle: *

participate in the HI-5 Program

Please provide any feedback/comment you may have. Thank you.

Good Job Joy

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Carol A. Yamaguchi

Office Code (e.g., HAR-EE) *

HAR-Fiscal

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ◉ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Open rain gutter covering and divert to lawn or flower beds.

9. Please list at least one action you can take relating to Reuse: *

Donation of household goods to charitable organizations.

10. Please list at least one action you can take relating to Recycle: *

Turn in plastic bottles and cans for HI-5.

Please provide any feedback/comment you may have. Thank you.

Thank you for the yearly update and reminder.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Derrick, Carne

Office Code (e.g., HAR-EE) *

HAR-PM

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper napkins.

9. Please list at least one action you can take relating to Reuse: *

Bring own reusable bag when shopping.

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 Program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Celia Shen

Office Code (e.g., HAR-EE) *

HAR-EP

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ○ Using an unauthorized p-card
- ◉ A non-stormwater discharge that poses a risk to the environment
- ○ Unpolluted condensate from AC system
- ○ Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ○ COP
- ○ Mask Up
- ◉ Protect Our Harbor Waters
- ○ None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- ◉ True
- ○ False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- [x] Use chemicals as needed
- [ ] Dispose of grass clippings properly
- [ ] Plant native foliage
- [ ] All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- [ ] On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- [ ] Inform your supervisor.
- [ ] Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- [x] All of the above

7. Which of the following can be considered good practices at your home? *

- [ ] Divert rainwater to landscaped area.
- [ ] Reroute your car wash water to your lawn.
- [ ] Dispose household hazards through programs managed by local county.
- [x] All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid using one-time use products.

9. Please list at least one action you can take relating to Reuse: *

Reusable shopping bag.

10. Please list at least one action you can take relating to Recycle: *

Recycle glass, paper and plastics.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Rodney Yamane

Office Code (e.g., HAR-EE) *

HAR-EC

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Drive less to reduce exhaust emissions

9. Please list at least one action you can take relating to Reuse: *

collect and reuse rain water to irrigate plants

10. Please list at least one action you can take relating to Recycle: *

recycle plastic and aluminum containers

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Guy Galdeira

Office Code (e.g., HAR-EE) *

HAR OCM

Date: *

MM DD YYYY

08 / 22 / 1961

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off light switches when not in use.

9. Please list at least one action you can take relating to Reuse: *

Reuse portable swimming pool water to water other area of the yard/plants.

10. Please list at least one action you can take relating to Recycle: *

separate cans, bottles and plastic.

Please provide any feedback/comment you may have. Thank you.

Appreciate what we have around us, Malama I'kekai

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

LADONNA VAUGHN

Office Code (e.g., HAR-EE) *

HAR-SF

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ◉ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Buy zero waste products

9. Please list at least one action you can take relating to Reuse: *

Reusing glass jars for garden plants

10. Please list at least one action you can take relating to Recycle: *

Buying non-toxic products

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Daverney Mahaulu

Office Code (e.g., HAR-EE) *

HAR-SO

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- ( ) True
- (•) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights when not in use.

9. Please list at least one action you can take relating to Reuse: *

Reuse newspaper to pack items.

10. Please list at least one action you can take relating to Recycle: *

Participating in the HI-5 Program.

Please provide any feedback/comment you may have. Thank you.

Thank you for the survey and encouraging good practices!

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Gabriel Delapenia

Office Code (e.g., HAR-EE) *

HAR-OE

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use less energy

9. Please list at least one action you can take relating to Reuse: *

Donate used items

10. Please list at least one action you can take relating to Recycle: *

Recycle cans & bottles, etc.

Please provide any feedback/comment you may have. Thank you.

None

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Amgad Youssef

Office Code (e.g., HAR-EE) *

HAR-OE

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Take timed showers, turn un-needed lights off

9. Please list at least one action you can take relating to Reuse: *

Donate cloths that you no longer use or don't fit

10. Please list at least one action you can take relating to Recycle: *

ensure plastic bottles and aluminum cans get recycled properly.

Please provide any feedback/comment you may have. Thank you.

Since it rains a lot in some places on the islands, they should create water entrapment devices for residences for washing car, pets or watering lawns

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Kerstin Kono

Office Code (e.g., HAR-EE) *

HAR-OE

Date: *

MM DD YYYY

10 / 04 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use less water

9. Please list at least one action you can take relating to Reuse: *

Donate lightly used clothing

10. Please list at least one action you can take relating to Recycle: *

Recycle used plastic and aluminum cans

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Jonathan L. Kua

Office Code (e.g., HAR-EE) *

HAR-OCT

Date: *

MM DD YYYY

10 / 04 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Reduce carbon emissions by walking more. Reduce the amount of landfill by purchasing reusable items.

9. Please list at least one action you can take relating to Reuse: *

Reuse store bought containers (ice cream tubs, reusable deli meat containers, plastic water bottles, etc.). Donate old clothes and merchandise to a charity.

10. Please list at least one action you can take relating to Recycle: *

Take plastic bottles and aluminum cans to Hi-5 recycling center.

Please provide any feedback/comment you may have. Thank you.

I appreciate the survey. It helps maintain a vigil on protecting our environment. Thank you!

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Branden Sumida

Office Code (e.g., HAR-EE) *

HAR-EM

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper napkins.

9. Please list at least one action you can take relating to Reuse: *

Buy, sell or donate used items.

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 Program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Fukumoto, Arnold

Office Code (e.g., HAR-EE) *

HAR-EM

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- ( ) True
- (•) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Switch to energy efficient light bulbs and invest in energy efficient appliances

9. Please list at least one action you can take relating to Reuse: *

Buy, sell or donate used items

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 program

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Steven Dale

Office Code (e.g., HAR-EE) *

HAR-EP

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Buy bulk items

9. Please list at least one action you can take relating to Reuse: *

Save plastic containers.

10. Please list at least one action you can take relating to Recycle: *

Recycle aluminum cans.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

McWayne, Kahumoku

Office Code (e.g., HAR-EE) *

DOT HAR-OCT

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ◉ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper

9. Please list at least one action you can take relating to Reuse: *

Bring my own reusable bag when shopping

10. Please list at least one action you can take relating to Recycle: *

Participate in the Hi-5 program

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Aurora Bigelow

Office Code (e.g., HAR-EE) *

HAR-SF

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper napkins

9. Please list at least one action you can take relating to Reuse: *

Buy, sell or donate used items

10. Please list at least one action you can take relating to Recycle: *

Avoid buying hazardous materials that could be difficult to recycle

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Kamakana Kaimuloa

Office Code (e.g., HAR-EE) *

DEP-H

Date: *

MM DD YYYY

10 / 06 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins

9. Please list at least one action you can take relating to Reuse: *

Buy used items

10. Please list at least one action you can take relating to Recycle: *

Participate in HI-5 program

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Alice VanGelder

Office Code (e.g., HAR-EE) *

HAR-OCO

Date: *

MM DD YYYY

10 / 06 / 20

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Unplug all electrical outlet when is not in use.

9. Please list at least one action you can take relating to Reuse: *

use cloth grocery bag

10. Please list at least one action you can take relating to Recycle: *

redeem all recycle glass bottles, plastic, newspaper.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

charles alejandro

Office Code (e.g., HAR-EE) *

oco

Date: *

MM DD YYYY

10 / 06 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

turning off lights and certain appliance not in use

9. Please list at least one action you can take relating to Reuse: *

use reusable bags when shopping

10. Please list at least one action you can take relating to Recycle: *

recycle the basics plastic, paper, meatal glass

Please provide any feedback/comment you may have. Thank you.

none

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Harley Tancayo

Office Code (e.g., HAR-EE) *

HAR -M

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use only environmental friendly products.

9. Please list at least one action you can take relating to Reuse: *

Recycle

10. Please list at least one action you can take relating to Recycle: *

reuse printed paper for notes.

Please provide any feedback/comment you may have. Thank you.

Take all action you can take to minimize your impact on the environment.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Clark, Catherine

Office Code (e.g., HAR-EE) *

HAR-OO

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

dispose household hazards through recommended methods

9. Please list at least one action you can take relating to Reuse: *

collecting rain water to use for watering plants.

10. Please list at least one action you can take relating to Recycle: *

recycling aluminum cans

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

XIPING HUANG

Office Code (e.g., HAR-EE) *

HAR-EP

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ◉ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

To water the grass with collected rain water.

9. Please list at least one action you can take relating to Reuse: *

To make organic composes for plants by kitchen wastes.

10. Please list at least one action you can take relating to Recycle: *

Using milk bottles/laundry sop bottles to collect the rain water from the downspout for watering the grass.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Shayna Asuncion

Office Code (e.g., HAR-EE) *

HAR-M

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off your lights when not using them.

9. Please list at least one action you can take relating to Reuse: *

Using your own water bottle to drink from rather than using plastic ones.

10. Please list at least one action you can take relating to Recycle: *

Partake in HI-5 program

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Duane Kim

Office Code (e.g., HAR-EE) *

HAR-M

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- (•) COP
- ( ) Mask Up
- ( ) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper napkins.
Avoid one-time use plates, utensils, napkins.
Use less energy by turning off lights and certain appliances when not in use.
Switch to energy-efficient light bulbs and invest in energy-efficient appliances.

9. Please list at least one action you can take relating to Reuse: *

Buy, sell or donate used items.
Build a compost bin and reuse many food wastes.
Bring your own reusable bag when shopping.
Bring your reusable water bottle daily to reduce plastic and save money.

10. Please list at least one action you can take relating to Recycle: *

Recycle the basics (paper, plastic, metal, glass), food wastes, fabric & electronics.
Participate in the HI-5 Program.
Avoid buying hazardous materials that could be difficult to recycle.
Know your local recycling guidelines to learn how to recycle properly.

Please provide any feedback/comment you may have. Thank you.

DOTH Harbors SWMP Orientation & Training Sessions should be held with all harbor tenants & uses in all DOTH Harbors Districts.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Gregg, Hirokawa

Office Code (e.g., HAR-EE) *

HAR-EM

Date: *

MM DD YYYY

10 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid using or purchasing one-time use goods

9. Please list at least one action you can take relating to Reuse: *

Reusing food-grade glass jars to store food and beverages

10. Please list at least one action you can take relating to Recycle: *

Recycle glass jars

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Dennis Rodrigues

Office Code (e.g., HAR-EE) *

HAR-M

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

chemical use

9. Please list at least one action you can take relating to Reuse: *

paint thinner

10. Please list at least one action you can take relating to Recycle: *

can

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Peter Diego

Office Code (e.g., HAR-EE) *

HAR-M

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ◉ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ◉ Dispose household hazards through programs managed by local county.
- ○ All of the above.

8. Please list at least one action you can take relating to Reduce: *

the use of chemicals

9. Please list at least one action you can take relating to Reuse: *

paint thinner

10. Please list at least one action you can take relating to Recycle: *

platic bottles, alum. cans

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Marshall Sacapanio-Baisa

Office Code (e.g., HAR-EE) *

HAR-M

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

reduce the use of chemicals around the waterways

9. Please list at least one action you can take relating to Reuse: *

re-use paint thinner more

10. Please list at least one action you can take relating to Recycle: *

recycle metals, cans, glass, plastics, around the harbor

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Donovan Canite

Office Code (e.g., HAR-EE) *

HAR-M

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

reduce chemicals to as needed

9. Please list at least one action you can take relating to Reuse: *

reuse paint thinner

10. Please list at least one action you can take relating to Recycle: *

plastic bottles, aluminum cans

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Gilber Pacheo Jr.

Office Code (e.g., HAR-EE) *

HAR-M

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- ( ) Protect Our Harbor Waters
- (•) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- ( ) True
- (•) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

chemicals

9. Please list at least one action you can take relating to Reuse: *

paint thinner

10. Please list at least one action you can take relating to Recycle: *

alum. cans

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Douglas Correia

Office Code (e.g., HAR-EE) *

HAR-M

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- ( ) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- (•) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

electricty

9. Please list at least one action you can take relating to Reuse: *

reuseable bags

10. Please list at least one action you can take relating to Recycle: *

aluminum cans & plastic bottles

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Jibas Jorlikion

Office Code (e.g., HAR-EE) *

HAR-M

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ◉ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ◉ Dispose household hazards through programs managed by local county.
- ○ All of the above.

8. Please list at least one action you can take relating to Reduce: *

use cloth napkin

9. Please list at least one action you can take relating to Reuse: *

buy sell or donate use items

10. Please list at least one action you can take relating to Recycle: *

recycle the basics paper, plastic

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Dave Udabe

Office Code (e.g., HAR-EE) *

HAR-M

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- ( ) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- (•) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- ( ) Protect Our Harbor Waters
- (•) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ◉ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

protect the land

9. Please list at least one action you can take relating to Reuse: *

protect the water

10. Please list at least one action you can take relating to Recycle: *

recycle and bottles put in the recycle area

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Simplicio Sagario

Office Code (e.g., HAR-EE) *

HAR-M

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- ( ) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- (•) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- ( ) True
- (•) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

keep environmental clean

9. Please list at least one action you can take relating to Reuse: *

protect environment

10. Please list at least one action you can take relating to Recycle: *

dispost to recycle

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

NEGUS, MANNA

Office Code (e.g., HAR-EE) *

HAR-M

Date: *

MM DD YYYY

10 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

One action that I take to reduce waste is turning off the lights and using natural light while in the office working. Another action is me turning off the A/C at the end of the workday.

9. Please list at least one action you can take relating to Reuse: *

One action that I take to reuse items is that I bring my own coffee and water mugs to reuse everyday in the office instead of using disposable paper cups. Another action is using a refillable water container dispenser to avoid using disposable water bottles.

10. Please list at least one action you can take relating to Recycle: *

One action that I took to recycle is that I started a compost pile to dispose of leaf litter instead of bagging in plastic garbage bags and dumping in our landfill.

Please provide any feedback/comment you may have. Thank you.

Permeable paving is a method of paving vehicle and pedestrian pathways to enable infiltration of stormwater runoff.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Joe Cheng

Office Code (e.g., HAR-EE) *

HAR-EC

Date: *

MM DD YYYY

10 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid the use of one time use cups and plates

9. Please list at least one action you can take relating to Reuse: *

Donate instead of disposal

10. Please list at least one action you can take relating to Recycle: *

Recycle used beverage cans and bottles

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Rea stepa

Office Code (e.g., HAR-EE) *

HAR-M

Date: *

MM DD YYYY

10 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- (●) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- ( ) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ◉ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

less packaging

9. Please list at least one action you can take relating to Reuse: *

reuse plastic bags or containers

10. Please list at least one action you can take relating to Recycle: *

items we can throw to recycle like, newspaper, magazines etc

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Cindy S Nakamura

Office Code (e.g., HAR-EE) *

HAR-OCT

Date: *

MM DD YYYY

10 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights when not in use

9. Please list at least one action you can take relating to Reuse: *

Reuse old jars to store loose items.

10. Please list at least one action you can take relating to Recycle: *

Take plastic bottles to recycling center.

Please provide any feedback/comment you may have. Thank you.

Good reminder.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Henry Koa

Office Code (e.g., HAR-EE) *

HAR-M

Date: *

MM DD YYYY

01 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- ( ) Protect Our Harbor Waters
- (•) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

turning off lights when not in use

9. Please list at least one action you can take relating to Reuse: *

use my own bag when shopping

10. Please list at least one action you can take relating to Recycle: *

I participate in the HI-5 program

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Ariel Corpuz

Office Code (e.g., HAR-EE) *

HAR-OCO

Date: *

MM DD YYYY

10 / 08 / 20

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights when not in use

9. Please list at least one action you can take relating to Reuse: *

Use reusable bag when shopping

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 Program

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Keri, Klemek

Office Code (e.g., HAR-EE) *

HAR-OCT

Date: *

MM DD YYYY

10 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights, wash car less

9. Please list at least one action you can take relating to Reuse: *

Donate more

10. Please list at least one action you can take relating to Recycle: *

Use the recycle bin and reuse old containers

Please provide any feedback/comment you may have. Thank you.

n/a

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Brandie Shimabukuro

Office Code (e.g., HAR-EE) *

HAR-M

Date: *

MM DD YYYY

10 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Find alternatives to plastic i.e. reusable plastic bags

9. Please list at least one action you can take relating to Reuse: *

Upcycle materials for crafts

10. Please list at least one action you can take relating to Recycle: *

Collect all cardboard from purchases for recycling

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Johnna Morita

Office Code (e.g., HAR-EE) *

Har-0C

Date: *

MM DD YYYY

10 / 09 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Switch to energy-efficient light bulbs and invest in energy-efficient appliances

9. Please list at least one action you can take relating to Reuse: *

Bring your reusable water bottle daily to reduce plastic and save money

10. Please list at least one action you can take relating to Recycle: *

Recycle the basics (paper, plastic, metal, glass), food wastes, fabric and electronics

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Coleen Yoshina

Office Code (e.g., HAR-EE) *

DEP-H

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

turn off lights & appliances when not in use. Stop using disposable utensils.

9. Please list at least one action you can take relating to Reuse: *

Use Reusable bags for shopping. Donate used items.

10. Please list at least one action you can take relating to Recycle: *

Separate & recycle plastic, paper, glass food waste, fabric, electronic.

Please provide any feedback/comment you may have. Thank you.

For #5, I wanted to answer with b and c.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Lauren Young

Office Code (e.g., HAR-EE) *

HAR-EC

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ○ It gets stored in the storm drain.
- ○ It goes to a municipal sanitary sewer system.
- ◉ It goes straight to the ocean or adjacent water body (e.g., stream).
- ○ None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Buy bulk (one large container) instead of many smaller items (multiple small containers). Can refill instead of throwing away multiple containers.

9. Please list at least one action you can take relating to Reuse: *

Cut up and use old sheets or clothes to use as rages or even sew a quilt.

10. Please list at least one action you can take relating to Recycle: *

Make sure to sort your recyclables (i.e. glass, cans, cardboard, newspapers, etc.) and place in blue bins or take to recycling centers instead of the landfill.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Jerome Aguada

Office Code (e.g., HAR-EE) *

HAR-ED

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- ( ) It goes straight to the ocean or adjacent water body (e.g., stream).
- (•) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Change light bulbs to LED bulbs.

9. Please list at least one action you can take relating to Reuse: *

Donate clothing

10. Please list at least one action you can take relating to Recycle: *

Recycle aluminum cans and glass and plastic bottles.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Dean Watase

Office Code (e.g., HAR-EE) *

HAR-EP

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid one-time use products such as plastic utensils.

9. Please list at least one action you can take relating to Reuse: *

Donate used items for reuse by someone else.

10. Please list at least one action you can take relating to Recycle: *

Recycle office paper.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Chance Bandy

Office Code (e.g., HAR-EE) *

HAR-H

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid 1 use products.

9. Please list at least one action you can take relating to Reuse: *

Reusable water bottle. Avoid plastics.

10. Please list at least one action you can take relating to Recycle: *

HI-5 Program

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Denny E. Ferrari

Office Code (e.g., HAR-EE) *

HAR-H

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Don't use 1 time products.

9. Please list at least one action you can take relating to Reuse: *

Use reusable water bottles

10. Please list at least one action you can take relating to Recycle: *

HI-5 program

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Greer Mckeen

Office Code (e.g., HAR-EE) *

HAR-H

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Buy products environmentally friendly.

9. Please list at least one action you can take relating to Reuse: *

Donate to organizations or garage sale.

10. Please list at least one action you can take relating to Recycle: *

Sort Thrash into bins.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Jennifer, Tomita

Office Code (e.g., HAR-EE) *

HAR-PM

Date: *

MM DD YYYY

10 / 12 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights and appliances when not in use.

9. Please list at least one action you can take relating to Reuse: *

Donate used items (clothing, kitchen items, furniture, etc.) and use a reusable shopping bag.

10. Please list at least one action you can take relating to Recycle: *

Participate in HI-5 program and recycle items (glass, plastic, metal, cardboard, paper, etc) when possible.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Alyssa, Pascual

Office Code (e.g., HAR-EE) *

HAR-SMBA

Date: *

MM DD YYYY

10 / 12 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Reduce using disposable/one-time use products.

9. Please list at least one action you can take relating to Reuse: *

Donate clothing items for others to reuse.

10. Please list at least one action you can take relating to Recycle: *

Recycle cans, plastic bottles, and glass bottles using the HI-5 program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Elaine Hayashi

Office Code (e.g., HAR-EE) *

HAR-OCT

Date: *

MM DD YYYY

10 / 12 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Don't buy bottled water

9. Please list at least one action you can take relating to Reuse: *

Reusable water bottle

10. Please list at least one action you can take relating to Recycle: *

Recycle all household products. ie plastics, cans, yard waste

Please provide any feedback/comment you may have. Thank you.

Thank you!

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Robert Crowell

Office Code (e.g., HAR-EE) *

HAR-K

Date: *

MM DD YYYY

10 / 13 / 20

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

1) If possible drive less - save gas. 2) Turn off lights when not in use.

9. Please list at least one action you can take relating to Reuse: *

Donate clothes and other products to non-profit organizations.

10. Please list at least one action you can take relating to Recycle: *

Recycle glass, plastic and aluminum bottles and cans.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Wendell kam

Office Code (e.g., HAR-EE) *

HAR-K

Date: *

MM DD YYYY

10 / 13 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn lights off when not in use

9. Please list at least one action you can take relating to Reuse: *

reuse shopping bags

10. Please list at least one action you can take relating to Recycle: *

recycle drinking containers, plastics, bottles and metals(aluminum)

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Brunner, Chad

Office Code (e.g., HAR-EE) *

HAR-H

Date: *

MM DD YYYY

10 / 14 / 2020

1. What happens to rain water that goes into a storm drain? *

- ○ It gets stored in the storm drain.
- ○ It goes to a municipal sanitary sewer system.
- ◉ It goes straight to the ocean or adjacent water body (e.g., stream).
- ○ None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid using one-time use goods.

9. Please list at least one action you can take relating to Reuse: *

Donate used clothes.

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Mitchell Martello

Office Code (e.g., HAR-EE) *

HAR-EE

Date: *

MM DD YYYY

10 / 14 / 2020

1. What happens to rain water that goes into a storm drain? *

- ○ It gets stored in the storm drain.
- ○ It goes to a municipal sanitary sewer system.
- ◉ It goes straight to the ocean or adjacent water body (e.g., stream).
- ○ None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Always carry reusable water bottles instead of buying plastic bottle water

9. Please list at least one action you can take relating to Reuse: *

Purchase only small amounts of product instead of bulk buying which may get wasted and eventually disposed. Also try to purchase products that aren't overly packaged in plastic. Purchase quality items that last rather than cheap products with short life span.

10. Please list at least one action you can take relating to Recycle: *

Repurpose glass containers for storage

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Allen Alejo

Office Code (e.g., HAR-EE) *

HAR -M

Date: *

MM DD YYYY

10 / 12 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ◉ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Using of Chemicals

9. Please list at least one action you can take relating to Reuse: *

Paint Thinner

10. Please list at least one action you can take relating to Recycle: *

Plastic Bottles and Cans

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Harold Brittain

Office Code (e.g., HAR-EE) *

HAR - M

Date: *

MM DD YYYY

10 / 15 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- [x] Use chemicals as needed
- [ ] Dispose of grass clippings properly
- [ ] Plant native foliage
- [ ] All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- [ ] On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- [ ] Inform your supervisor.
- [ ] Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- [x] All of the above

7. Which of the following can be considered good practices at your home? *

- [ ] Divert rainwater to landscaped area.
- [ ] Reroute your car wash water to your lawn.
- [ ] Dispose household hazards through programs managed by local county.
- [x] All of the above.

8. Please list at least one action you can take relating to Reduce: *

using of chemicals

9. Please list at least one action you can take relating to Reuse: *

paint thinner

10. Please list at least one action you can take relating to Recycle: *

plastic bottles and cans and cardboard

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

SHERRYLE HEAFNER

Office Code (e.g., HAR-EE) *

HAR

Date: *

MM DD YYYY

10 / 15 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

GO ONLINE FOR NEWSPAPERS RATHER THAN SUBSCRIBING HARDCOPY

9. Please list at least one action you can take relating to Reuse: *

REFILL WATER IN REUSABLE WATER BOTTLES

10. Please list at least one action you can take relating to Recycle: *

RECYCLE ALUMINUM CANS

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Wade, Takamoto

Office Code (e.g., HAR-EE) *

HAr-ED

Date: *

MM DD YYYY

10 / 15 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights when not in use.

9. Please list at least one action you can take relating to Reuse: *

Donate used items.

10. Please list at least one action you can take relating to Recycle: *

Participate in HI-5 program

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Chad NISHIMURA

Office Code (e.g., HAR-EE) *

HAR-OE

Date: *

MM DD YYYY

10 / 15 / 20

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Print on both sides of paper

9. Please list at least one action you can take relating to Reuse: *

Put food waste into compost

10. Please list at least one action you can take relating to Recycle: *

Recycle glass, metal, and plastic

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Michael Dichner

Office Code (e.g., HAR-EE) *

HAR-EP

Date: *

MM DD YYYY

10 / 19 / 2020

1. What happens to rain water that goes into a storm drain? *

- ○ It gets stored in the storm drain.
- ○ It goes to a municipal sanitary sewer system.
- ◉ It goes straight to the ocean or adjacent water body (e.g., stream).
- ○ None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

reduce the volume of trash

9. Please list at least one action you can take relating to Reuse: *

Reuse grocery bags

10. Please list at least one action you can take relating to Recycle: *

Recycle cans and bottles

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Lena Wang

Office Code (e.g., HAR-EE) *

HAR-SI

Date: *

MM DD YYYY

10 / 19 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- ( ) It goes straight to the ocean or adjacent water body (e.g., stream).
- (•) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

fish-friendly car wash

9. Please list at least one action you can take relating to Reuse: *

Plant native foliage

10. Please list at least one action you can take relating to Recycle: *

use reuse items

Please provide any feedback/comment you may have. Thank you.

thx

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Juli Chun

Office Code (e.g., HAR-EE) *

HAR-DEP

Date: *

MM DD YYYY

10 / 20 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Composting

9. Please list at least one action you can take relating to Reuse: *

Save the water when washing the rice and use it to water the plants in my garden.

10. Please list at least one action you can take relating to Recycle: *

Recycle glass jars to store items in.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Ken Inouye

Office Code (e.g., HAR-EE) *

HAR-OCM

Date: *

MM DD YYYY

10 / 20 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

no comment

9. Please list at least one action you can take relating to Reuse: *

compost

10. Please list at least one action you can take relating to Recycle: *

save aluminum cans

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Kendrick Au

Office Code (e.g., HAR-EE) *

HAR-Treasurer

Date: *

MM DD YYYY

10 / 20 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

I use energy-efficient light bulbs and have invested in energy-efficient appliances

9. Please list at least one action you can take relating to Reuse: *

I use own reusable bag when shopping

10. Please list at least one action you can take relating to Recycle: *

I avoid buying hazardous materials that could be difficult to recycle

Please provide any feedback/comment you may have. Thank you.

None

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Jon Hosaka

Office Code (e.g., HAR-EE) *

HAR-ESP

Date: *

MM DD YYYY

10 / 20 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ◉ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

use a spray gun on water hose

9. Please list at least one action you can take relating to Reuse: *

use a tray of water to rinse multiple dishes before emptying down drain

10. Please list at least one action you can take relating to Recycle: *

special toilet that has hand wash that runs into the toilet tank

Please provide any feedback/comment you may have. Thank you.

Thank-you

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Davis Yogi

Office Code (e.g., HAR-EE) *

HAR

Date: *

MM DD YYYY

10 / 20 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Composting

9. Please list at least one action you can take relating to Reuse: *

Avoid purchasing disposal plastic bags and reuse cloth or other material type of plastic bags.

10. Please list at least one action you can take relating to Recycle: *

redeem aluminum cans, or plastic bottles, glass at certified government sponsored sites.

Please provide any feedback/comment you may have. Thank you.

None

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Julie Char

Office Code (e.g., HAR-EE) *

HAR-OC

Date: *

MM DD YYYY

10 / 20 / 2020

1. What happens to rain water that goes into a storm drain? *

- ○ It gets stored in the storm drain.
- ○ It goes to a municipal sanitary sewer system.
- ◉ It goes straight to the ocean or adjacent water body (e.g., stream).
- ○ None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Planting drought-resistant plants

9. Please list at least one action you can take relating to Reuse: *

Installing a rain barrel

10. Please list at least one action you can take relating to Recycle: *

Composting green and brown organic waste

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Da Teng

Office Code (e.g., HAR-EE) *

HAR-ED

Date: *

MM DD YYYY

10 / 20 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ◉ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Tell the restaurant staff that no need disposable tableware when ordering takeout.

9. Please list at least one action you can take relating to Reuse: *

Reusable shopping bag.

10. Please list at least one action you can take relating to Recycle: *

Recycle bottles and cans.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Long, Chen

Office Code (e.g., HAR-EE) *

HAR-ED

Date: *

MM DD YYYY

10 / 20 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Wash hands less often

9. Please list at least one action you can take relating to Reuse: *

Recycle

10. Please list at least one action you can take relating to Recycle: *

Reuse

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Lukela Bagood

Office Code (e.g., HAR-EE) *

Har-oct

Date: *

MM DD YYYY

10 / 20 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid plastics

9. Please list at least one action you can take relating to Reuse: *

Donate Items

10. Please list at least one action you can take relating to Recycle: *

Hi-5 programn/a

Please provide any feedback/comment you may have. Thank you.

n/a

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Michael Asamoto

Office Code (e.g., HAR-EE) *

HAR

Date: *

MM DD YYYY

10 / 20 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

turn off lights and other small appliances when not using them

9. Please list at least one action you can take relating to Reuse: *

donate used items instead of throwing in trash

10. Please list at least one action you can take relating to Recycle: *

participate in HI-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

aaron chu

Office Code (e.g., HAR-EE) *

OE

Date: *

MM DD YYYY

10 / 21 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

plastic use

9. Please list at least one action you can take relating to Reuse: *

use paper straws and regular cups

10. Please list at least one action you can take relating to Recycle: *

recycle cans

Please provide any feedback/comment you may have. Thank you.

good job

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

John DeJesus

Office Code (e.g., HAR-EE) *

HAR-OE

Date: *

MM DD YYYY

10 / 21 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper. Use less energy by turning off lights

9. Please list at least one action you can take relating to Reuse: *

Buy or donate used items. Bring your own reusable bag when shopping.

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 program recycle the basics, paper, plastic etc.

Please provide any feedback/comment you may have. Thank you.

None

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Flaherty, Kelly

Office Code (e.g., HAR-EE) *

HAR-OE

Date: *

MM DD YYYY

10 / 21 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Educate Others

9. Please list at least one action you can take relating to Reuse: *

Recycle

10. Please list at least one action you can take relating to Recycle: *

Do it daily, at work and at home.

Please provide any feedback/comment you may have. Thank you.

It's nice to remind others to keep our ocean/harbors clean.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

FERNANDEZ,Ryan

Office Code (e.g., HAR-EE) *

OE

Date: *

MM DD YYYY

10 / 21 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

eat your food off the table, or use fallen leaves from you yard.

9. Please list at least one action you can take relating to Reuse: *

take a bath at the beach.

10. Please list at least one action you can take relating to Recycle: *

make a hat out of old beer cans.

Please provide any feedback/comment you may have. Thank you.

lmua

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Dung Vo

Office Code (e.g., HAR-EE) *

HAR-ESP

Date: *

MM DD YYYY

10 / 21 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Divert rainwater to landscaped area

9. Please list at least one action you can take relating to Reuse: *

Reuse plastic utensils

10. Please list at least one action you can take relating to Recycle: *

Make sure to recycle more

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Teina Anthony

Office Code (e.g., HAR-EE) *

HAR-OC

Date: *

MM DD YYYY

10 / 21 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins in lieu of paper

9. Please list at least one action you can take relating to Reuse: *

Composting

10. Please list at least one action you can take relating to Recycle: *

Recycling

Please provide any feedback/comment you may have. Thank you.

Many thanks!

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

David L Lee

Office Code (e.g., HAR-EE) *

HAR-OC

Date: *

MM DD YYYY

10 / 21 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid using single use items

9. Please list at least one action you can take relating to Reuse: *

Use reusable shopping bags

10. Please list at least one action you can take relating to Recycle: *

Set up recycle bins

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Arnold Liu

Office Code (e.g., HAR-EE) *

HAR-EP

Date: *

MM DD YYYY

10 / 26 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Reduce energy use by turning off lights when not in use.

9. Please list at least one action you can take relating to Reuse: *

Reuse grocery bags instead of buying them.

10. Please list at least one action you can take relating to Recycle: *

Recycle any kind of paper at work instead of throwing them into the trash.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Joseph Garcia

Office Code (e.g., HAR-EE) *

HAR-O

Date: *

MM DD YYYY

10 / 26 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins

9. Please list at least one action you can take relating to Reuse: *

Bring your own re-usable bag when shopping

10. Please list at least one action you can take relating to Recycle: *

Participate in HI-5 program

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Neil, Asato

Office Code (e.g., HAR-EE) *

HAR-EC

Date: *

MM DD YYYY

10 / 26 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Switch to energy-efficient light bulbs and invest in energy-efficient appliances.

9. Please list at least one action you can take relating to Reuse: *

Bring your reusable water bottle daily to reduce plastic and save money.

10. Please list at least one action you can take relating to Recycle: *

Know your local recycling guidelines to learn how to recycle properly.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Rex Akutagawa

Office Code (e.g., HAR-EE) *

HAR-S

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- [x] Use chemicals as needed
- [ ] Dispose of grass clippings properly
- [ ] Plant native foliage
- [ ] All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- [ ] On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- [ ] Inform your supervisor.
- [ ] Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- [x] All of the above

7. Which of the following can be considered good practices at your home? *

- [ ] Divert rainwater to landscaped area.
- [ ] Reroute your car wash water to your lawn.
- [ ] Dispose household hazards through programs managed by local county.
- [x] All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use Brita Water Pitcher instead of bottled water.

9. Please list at least one action you can take relating to Reuse: *

A new sandwich bag is used weekly.

10. Please list at least one action you can take relating to Recycle: *

Any cardboard boxes, paper, aluminum cans are separated into recycle bins.

Please provide any feedback/comment you may have. Thank you.

None at this time.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Janice Otaguro

Office Code (e.g., HAR-EE) *

HAR-SO

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use less energy by turning off lights and certain appliances when not in use

9. Please list at least one action you can take relating to Reuse: *

Bring my own reusable bag when shopping

10. Please list at least one action you can take relating to Recycle: *

Recycle the basics (paper, plastics, glass, metal)

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Sharilyn Ikeda

Office Code (e.g., HAR-EE) *

HAR-ESp

Date: *

MM DD YYYY

10 / 28 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper napkins.

9. Please list at least one action you can take relating to Reuse: *

Buy, sell or donate used items.

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 Program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

william makanui

Office Code (e.g., HAR-EE) *

HAE-ESP

Date: *

MM DD YYYY

10 / 28 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

avoid using disposable food containers, utensils and napkins

9. Please list at least one action you can take relating to Reuse: *

use reusable water bottle instead of disposable water bottles

10. Please list at least one action you can take relating to Recycle: *

recycle plastic, metals and glass

Please provide any feedback/comment you may have. Thank you.

none

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Gary Moniz

Office Code (e.g., HAR-EE) *

HAR

Date: *

MM DD YYYY

10 / 14 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use less energy by turning off lights.

9. Please list at least one action you can take relating to Reuse: *

Bring your own reusable grocery bags when food shopping.

10. Please list at least one action you can take relating to Recycle: *

Recycle all paper, plastic, and metal.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Carter Luke

Office Code (e.g., HAR-EE) *

HAR-E

Date: *

MM DD YYYY

10 / 19 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use items that can be reused avoid one-time use items, turn off lights when not in use.

9. Please list at least one action you can take relating to Reuse: *

Donate to Goodwill use a hydroflask instead of plastic water bottles.

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 Program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Melchor Travens

Office Code (e.g., HAR-EE) *

HAR-ESP

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper napkins.

9. Please list at least one action you can take relating to Reuse: *

Buy, Sell or donate used items.

10. Please list at least one action you can take relating to Recycle: *

Participat in the HI-5 Program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Rodney Oliveras

Office Code (e.g., HAR-EE) *

HAR-ESP

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use fewer materials or resources which ultimately impacts the environment.

9. Please list at least one action you can take relating to Reuse: *

Set up a composting bin to reuse food scraps as a soil treatment.

10. Please list at least one action you can take relating to Recycle: *

Place all recyclable container in the weekly pickup bin by C&C collection.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Gene Ishibashi

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Solvent use.

9. Please list at least one action you can take relating to Reuse: *

Paint thinner

10. Please list at least one action you can take relating to Recycle: *

Can, bottles and paper

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

John Figueroa

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Reduce solvent use in workshop use more water base paint.

9. Please list at least one action you can take relating to Reuse: *

Reuse solvent by placing in sealed container till particles settle at the bottom.

10. Please list at least one action you can take relating to Recycle: *

Take cans and bottles to recycle redemption centers.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Michael Augustine

Office Code (e.g., HAR-EE) *

HAR-H

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Solvent use

9. Please list at least one action you can take relating to Reuse: *

Paper products

10. Please list at least one action you can take relating to Recycle: *

Recycle cans, plastics, and paper.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Kane Kawailima

Office Code (e.g., HAR-EE) *

HAR-H

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ◉ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

usage of chemicals

9. Please list at least one action you can take relating to Reuse: *

ppe

10. Please list at least one action you can take relating to Recycle: *

Plastic, glass, cans & metal

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Lance Rowe

Office Code (e.g., HAR-EE) *

HAR-H

Date: *

MM DD YYYY

10 / 06 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- ( ) It goes straight to the ocean or adjacent water body (e.g., stream).
- (•) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- ( ) A non-stormwater discharge that poses a risk to the environment
- (•) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- ( ) Protect Our Harbor Waters
- (•) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

chemical use

9. Please list at least one action you can take relating to Reuse: *

Store away all chemicals that are unfinished properly to be used again at a later time.

10. Please list at least one action you can take relating to Recycle: *

Recycle all materials that can be recycled away.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Clyde Aina

Office Code (e.g., HAR-EE) *

HAR-H

Date: *

MM DD YYYY

10 / 06 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ◉ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Oil base paint

9. Please list at least one action you can take relating to Reuse: *

PPE If can

10. Please list at least one action you can take relating to Recycle: *

Metal, cans, plastic

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Hilton Berido

Office Code (e.g., HAR-EE) *

HAR-H

Date: *

MM DD YYYY

10 / 06 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- (•) It goes to a municipal sanitary sewer system.
- ( ) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- ( ) A non-stormwater discharge that poses a risk to the environment
- (•) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Reuse chemicals such as paint thinner.

9. Please list at least one action you can take relating to Reuse: *

Paper, plastic forks and cups.

10. Please list at least one action you can take relating to Recycle: *

Plastic bottles HI-5 and cans, paper.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Ikaika Nacua

Office Code (e.g., HAR-EE) *

HAR-H

Date: *

MM DD YYYY

10 / 06 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Buy environmentally friendly products

9. Please list at least one action you can take relating to Reuse: *

Donate to an organization

10. Please list at least one action you can take relating to Recycle: *

Sort trash

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Jeff Hood

Office Code (e.g., HAR-EE) *

HAR-H

Date: *

MM DD YYYY

10 / 12 / 2020

1. What happens to rain water that goes into a storm drain? *

- ○ It gets stored in the storm drain.
- ○ It goes to a municipal sanitary sewer system.
- ◉ It goes straight to the ocean or adjacent water body (e.g., stream).
- ○ None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Don't use disposable paper products whenever possible. Use cloth.

9. Please list at least one action you can take relating to Reuse: *

Fix broken items instead of replacing them.

10. Please list at least one action you can take relating to Recycle: *

Have containers for holding each type of recyclable in convenient places.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Annabelle Clark

Office Code (e.g., HAR-EE) *

HAR-K

Date: *

MM DD YYYY

10 / 13 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use digital version of materials if available. Turn off lights when not in use.

9. Please list at least one action you can take relating to Reuse: *

Donate unwanted clothes and books to charities.

10. Please list at least one action you can take relating to Recycle: *

Recycle papers, bottles, plastic, cans and cardboard boxes.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Gaivin Alao

Office Code (e.g., HAR-EE) *

HAR-K

Date: *

MM DD YYYY

10 / 15 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ◉ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Dispose items properly

9. Please list at least one action you can take relating to Reuse: *

Divert water to landscape

10. Please list at least one action you can take relating to Recycle: *

Made food waste into mulch.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Patrick Lopez

Office Code (e.g., HAR-EE) *

HAR-K

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid used one time use products

9. Please list at least one action you can take relating to Reuse: *

Buy

10. Please list at least one action you can take relating to Recycle: *

HI

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Dwight Yama

Office Code (e.g., HAR-EE) *

HAR-K

Date: *

MM DD YYYY

10 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid use of one time use products

9. Please list at least one action you can take relating to Reuse: *

donate

10. Please list at least one action you can take relating to Recycle: *

HI-5 Recycle

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Gerald Rapozo

Office Code (e.g., HAR-EE) *

HAR-K

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid used one time use products

9. Please list at least one action you can take relating to Reuse: *

Use stainless steel water bottles

10. Please list at least one action you can take relating to Recycle: *

Reuse

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Larry Okamoto

Office Code (e.g., HAR-EE) *

HAR-K

Date: *

MM DD YYYY

10 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid one time use products

9. Please list at least one action you can take relating to Reuse: *

Use stainless steel water bottles

10. Please list at least one action you can take relating to Recycle: *

HI-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Corey Romero

Office Code (e.g., HAR-EE) *

HAR-K

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid using 1 time products

9. Please list at least one action you can take relating to Reuse: *

Donate

10. Please list at least one action you can take relating to Recycle: *

HI-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Kenneth Meatoga

Office Code (e.g., HAR-EE) *

HAR-K

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid use one time use products

9. Please list at least one action you can take relating to Reuse: *

Use stainless steel water bottles

10. Please list at least one action you can take relating to Recycle: *

Hawaii

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

William Rodrigues

Office Code (e.g., HAR-EE) *

HAR-K

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid using one time use products

9. Please list at least one action you can take relating to Reuse: *

Donate

10. Please list at least one action you can take relating to Recycle: *

HI-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Judson K. Ventar

Office Code (e.g., HAR-EE) *

HAR-K

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid 1 time use product

9. Please list at least one action you can take relating to Reuse: *

Use stainless steel water bottles.

10. Please list at least one action you can take relating to Recycle: *

Hi-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Alfredo Yadao

Office Code (e.g., HAR-EE) *

HAR-K

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid one time use products.

9. Please list at least one action you can take relating to Reuse: *

Salvage

10. Please list at least one action you can take relating to Recycle: *

HI-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Jeff Kihara

Office Code (e.g., HAR-EE) *

HAR-K

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid one time use products

9. Please list at least one action you can take relating to Reuse: *

Donate

10. Please list at least one action you can take relating to Recycle: *

HI-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Akemi Steinberg

Office Code (e.g., HAR-EE) *

HAR-O

Date: *

MM DD YYYY

10 / 20 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ◉ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

To recycle so it pays to be wise consumer.

9. Please list at least one action you can take relating to Reuse: *

Buy, sell or donate used items.

10. Please list at least one action you can take relating to Recycle: *

Recycle glass jars, buying non-toxic products.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Neil Takekawa

Office Code (e.g., HAR-EE) *

HAR-O

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Do not buy water in bottles.

9. Please list at least one action you can take relating to Reuse: *

Use my own grocery bags.

10. Please list at least one action you can take relating to Recycle: *

Use the blue C&C bins for paper, plastic, etc.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Peter Pilone

Office Code (e.g., HAR-EE) *

HAR-O

Date: *

MM DD YYYY

10 / 20 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off A/C when are not in use.

9. Please list at least one action you can take relating to Reuse: *

Use personal reusable water bottle.

10. Please list at least one action you can take relating to Recycle: *

Use recycle bins.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Calvin Woo

Office Code (e.g., HAR-EE) *

HAR-OCB

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- (•) Mask Up
- ( ) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Reuse

9. Please list at least one action you can take relating to Reuse: *

Recycle

10. Please list at least one action you can take relating to Recycle: *

Reduce

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Reginald Tanaka-Kawaakoa

Office Code (e.g., HAR-EE) *

HAR-OCB

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Reuse

9. Please list at least one action you can take relating to Reuse: *

Recycle

10. Please list at least one action you can take relating to Recycle: *

Reduce

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Robert McLean

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 12 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights when not in use

9. Please list at least one action you can take relating to Reuse: *

Reuse newspaper to pack shipped/mailed items.

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 Program

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Mark M. "Dutch" Hanohano

Office Code (e.g., HAR-EE) *

HAR-OE

Date: *

MM DD YYYY

10 / 09 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights. Avoid one time use items.

9. Please list at least one action you can take relating to Reuse: *

Build compost bin. Use Reusable bags.

10. Please list at least one action you can take relating to Recycle: *

Participate in HI-5 recycle then basics.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Gary Tsuzumi

Office Code (e.g., HAR-EE) *

HAR-OE

Date: *

MM DD YYYY

10 / 06 / 2020

1. What happens to rain water that goes into a storm drain? *

- [ ] It gets stored in the storm drain.
- [ ] It goes to a municipal sanitary sewer system.
- [x] It goes straight to the ocean or adjacent water body (e.g., stream).
- [ ] None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Water lawn and garden when not sunny. or at night.

9. Please list at least one action you can take relating to Reuse: *

Use lawn clippings as fertilizer.

10. Please list at least one action you can take relating to Recycle: *

Recycle soda cans.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Richard Isa

Office Code (e.g., HAR-EE) *

HAR-OE

Date: *

MM DD YYYY

10 / 06 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights when not in use.

9. Please list at least one action you can take relating to Reuse: *

Use newspaper for packing materials.

10. Please list at least one action you can take relating to Recycle: *

Turn in recycle, used bottles and cans.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Sara Dupio

Office Code (e.g., HAR-EE) *

HAR OE

Date: *

MM DD YYYY

10 / 06 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use more recycle goods.

9. Please list at least one action you can take relating to Reuse: *

Recycle reusable goods.

10. Please list at least one action you can take relating to Recycle: *

Take drink cans and bottles to recycle.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Joey Kaili

Office Code (e.g., HAR-EE) *

HAR-OE

Date: *

MM DD YYYY

10 / 06 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Reduce polluting

9. Please list at least one action you can take relating to Reuse: *

Reuse biodegradable bags.

10. Please list at least one action you can take relating to Recycle: *

Recycle cans.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Joe Ontai

Office Code (e.g., HAR-EE) *

HAR-OE

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Recycle

9. Please list at least one action you can take relating to Reuse: *

Water

10. Please list at least one action you can take relating to Recycle: *

HI-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Neal Miyasato

Office Code (e.g., HAR-EE) *

HAR-OE

Date: *

MM DD YYYY

10 / 12 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Reduce using plastic.

9. Please list at least one action you can take relating to Reuse: *

Reuse water from washing.

10. Please list at least one action you can take relating to Recycle: *

Recycle aluminum, plastic bottle and paper products.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Ronald Alipalsa

Office Code (e.g., HAR-EE) *

HAR-OE

Date: *

MM DD YYYY

10 / 16 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Put A/C on timer to reduce energy cost. Water plants in the early morning or late afternoon.

9. Please list at least one action you can take relating to Reuse: *

Reuse paper products to feed animals. Reuse bags for shopping.

10. Please list at least one action you can take relating to Recycle: *

Recycle glass, plastics and aluminum products (HI05). Utilize blue recycling bins to dispose of recyclables.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Aaron Dacuag

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper napkins.

9. Please list at least one action you can take relating to Reuse: *

Build a compost bin.

10. Please list at least one action you can take relating to Recycle: *

Use county provided bins for recyclable materials, cardboard, plastic, etc.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Elmer HIrano

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use less energy by turning off lights.

9. Please list at least one action you can take relating to Reuse: *

Donate used items.

10. Please list at least one action you can take relating to Recycle: *

HI-5 Program

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Edmund Fu

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ◉ Dispose household hazards through programs managed by local county.
- ○ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use only what's...

9. Please list at least one action you can take relating to Reuse: *

Recycle plastics

10. Please list at least one action you can take relating to Recycle: *

HI-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Randy Castillo

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Take short showers and not baths.

9. Please list at least one action you can take relating to Reuse: *

Use washable utensils and cups.

10. Please list at least one action you can take relating to Recycle: *

Recycle cans and bottles.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

JC Domingo

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid buying products with excessive packing.

9. Please list at least one action you can take relating to Reuse: *

Buy reusable water containers instead of buying one-time use plastic bottles.

10. Please list at least one action you can take relating to Recycle: *

Do not throw away recyclable items.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Eric Choi

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Wash car less times

9. Please list at least one action you can take relating to Reuse: *

Grass as mulch

10. Please list at least one action you can take relating to Recycle: *

Reusable bags.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Raymond Saito

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use a rain barrel to collect rain water.

9. Please list at least one action you can take relating to Reuse: *

Use the collected rain water for your garden.

10. Please list at least one action you can take relating to Recycle: *

Recycle all plastic and aluminum cans & bottles.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Jason Nishigata

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Ride bicycle/walk to places.

9. Please list at least one action you can take relating to Reuse: *

Reuse plastic bags.

10. Please list at least one action you can take relating to Recycle: *

Recycle aluminum cans.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Douglas Seta

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ○ It gets stored in the storm drain.
- ○ It goes to a municipal sanitary sewer system.
- ◉ It goes straight to the ocean or adjacent water body (e.g., stream).
- ○ None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Don't water the grass often. Shorter showers.

9. Please list at least one action you can take relating to Reuse: *

Reuse grocery bags.

10. Please list at least one action you can take relating to Recycle: *

Bottles and cans.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Layne Suneda

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Stop waste

9. Please list at least one action you can take relating to Reuse: *

Recycle all recyclables.

10. Please list at least one action you can take relating to Recycle: *

Use local redemption centers.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Nelson Kaloa

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Rubbish by reuse old materials or recycling.

9. Please list at least one action you can take relating to Reuse: *

Old Materials like wood and refurbish old fixtures.

10. Please list at least one action you can take relating to Recycle: *

Metals/plastics/paper materials.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

John McKee

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ○ It gets stored in the storm drain.
- ○ It goes to a municipal sanitary sewer system.
- ◉ It goes straight to the ocean or adjacent water body (e.g., stream).
- ○ None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Reduce chemicals and lubricants used for maintenance and repairs. Use environmental friendly type chemicals and lubricants.

9. Please list at least one action you can take relating to Reuse: *

Turn in unused chemical and lubricants to other shops if they can use it.

10. Please list at least one action you can take relating to Recycle: *

Turn in all recyclables metal, plastics, and cardboards and not in the trash or dump.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Derek Buendia

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Reduce your chemical storage.

9. Please list at least one action you can take relating to Reuse: *

Reuse different types of chemicals to other detergents.

10. Please list at least one action you can take relating to Recycle: *

Recycle your empty chemicals, cans.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Matthew Coen

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ◉ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper napkins`

9. Please list at least one action you can take relating to Reuse: *

Bring my reusable water bottle or flask daily to work to reduce plastics and save money.

10. Please list at least one action you can take relating to Recycle: *

Avoid buying hazardous materials that could be difficult to recycle properly.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Jeffrey Mun

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Maintain your vehicles

9. Please list at least one action you can take relating to Reuse: *

Stormwater for use of irrigation system.

10. Please list at least one action you can take relating to Recycle: *

Collect stormwater from drains, treat water so its safe to use.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Michael Felix

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid buying one time use items.

9. Please list at least one action you can take relating to Reuse: *

Donate used items.

10. Please list at least one action you can take relating to Recycle: *

HI-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Aaron Kalaukoa

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- ( ) Protect Our Harbor Waters
- (•) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Limit the amount of non-biodegradable materials in everyday life.

9. Please list at least one action you can take relating to Reuse: *

Re-purpose items. Ex: Plastic bags, liquid containers, etc. as many times as possible to prevent overfilling landfills and protecting the environment.

10. Please list at least one action you can take relating to Recycle: *

Recycle items that can be turned into various other products. Ex: plastics, glass, wood, etc.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

David Markle

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 09 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Reduce using chemicals.

9. Please list at least one action you can take relating to Reuse: *

Reuse stormwater run off

10. Please list at least one action you can take relating to Recycle: *

Recycle green waste.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Jerome

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Limit usage

9. Please list at least one action you can take relating to Reuse: *

Use recycle products

10. Please list at least one action you can take relating to Recycle: *

Take the time to do it.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Justin Ige

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Don't use plastics.

9. Please list at least one action you can take relating to Reuse: *

Use reusable bags.

10. Please list at least one action you can take relating to Recycle: *

Put recyclable trash in recycle bins.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Dean Ibana

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Shut off water in shower when not rinsing off.

9. Please list at least one action you can take relating to Reuse: *

We reuse shackles at work if it is in good condition.

10. Please list at least one action you can take relating to Recycle: *

Picking up aluminum cans.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Aurelio Preza

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Reduce use of dangerous chemicals that is hazardous to the surrounding environment.

9. Please list at least one action you can take relating to Reuse: *

Reuse old lumber and screws, semi-old paint.

10. Please list at least one action you can take relating to Recycle: *

Metals such as rusty chains and shackles into recycling bin.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Bryson Bright

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- (•) COP
- ( ) Mask Up
- ( ) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Reduce the amount of shower you take daily

9. Please list at least one action you can take relating to Reuse: *

Re-route plumbing from washer to lawn.

10. Please list at least one action you can take relating to Recycle: *

Recycle cans and bottles.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Fred Bautista

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use less

9. Please list at least one action you can take relating to Reuse: *

Reuse products until no longer can reuse.

10. Please list at least one action you can take relating to Recycle: *

Recycle grass cuttings, branches for mulch.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Robert Gayer

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use less chemicals

9. Please list at least one action you can take relating to Reuse: *

Use rain water to water lawn.

10. Please list at least one action you can take relating to Recycle: *

any paper then bring in to recycle plant.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Albert Cosbu Jr.

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 08 / 220

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Eat

9. Please list at least one action you can take relating to Reuse: *

Eat

10. Please list at least one action you can take relating to Recycle: *

paper things

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Sau Ying Tyau

Office Code (e.g., HAR-EE) *

HAR-OO

Date: *

MM DD YYYY

10 / 19 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- ( ) Protect Our Harbor Waters
- (•) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- ( ) True
- (•) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

na

9. Please list at least one action you can take relating to Reuse: *

recycling

10. Please list at least one action you can take relating to Recycle: *

na

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Olivia Pham

Office Code (e.g., HAR-EE) *

HAR-PM

Date: *

MM DD YYYY

10 / 19 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ◉ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid using single-use items plastic spoons or forks.

9. Please list at least one action you can take relating to Reuse: *

Using a reusable water bottle instead of a disposable plastic one.

10. Please list at least one action you can take relating to Recycle: *

Recycle an cans or plastic bottles with the HI-5 Program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Anne Sakamoto

Office Code (e.g., HAR-EE) *

HAR-SF

Date: *

MM DD YYYY

10 / 07 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

I limit the use of one-time use goods. I turn off lights when not needed.

9. Please list at least one action you can take relating to Reuse: *

I prefer to donate my used clothes and toys.

10. Please list at least one action you can take relating to Recycle: *

Items that can be recycled goes to our recycle bins and we participate in the HI-5 program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Cherinne I. Nihipali

Office Code (e.g., HAR-EE) *

HAR-SF

Date: *

MM DD YYYY

10 / 23 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Reduce the use of energy by turning off lights in rooms not being occupied by anyone.

9. Please list at least one action you can take relating to Reuse: *

Always bring my own reusable bags when shopping.

10. Please list at least one action you can take relating to Recycle: *

Recycle all plastic bottles and find other ways to use them when empty.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Erin Takeshima

Office Code (e.g., HAR-EE) *

HAR-SF

Date: *

MM DD YYYY

10 / 17 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Avoid using disposable plated, spoons, napkins, forks.

9. Please list at least one action you can take relating to Reuse: *

Use your reusable bag when shopping

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Barbara Young

Office Code (e.g., HAR-EE) *

HAR-SO

Date: *

MM DD YYYY

10 / 19 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- ( ) Protect Our Harbor Waters
- (•) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper napkins

9. Please list at least one action you can take relating to Reuse: *

Bring your own reusable bag when shopping

10. Please list at least one action you can take relating to Recycle: *

Recycle the basic (paper, plastic, metal, glass) food waste, fabrics & electronics.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Ameria Childress

Office Code (e.g., HAR-EE) *

HAR-O

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use less energy by turning off all lights and certain appliances when not in use.

9. Please list at least one action you can take relating to Reuse: *

Bring your own reusable bag when shopping.

10. Please list at least one action you can take relating to Recycle: *

Recycle the basics (paper, plastic, metal, glass).

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Franita Gomez

Office Code (e.g., HAR-EE) *

Tower

Date: *

MM DD YYYY

10 / 03 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use less energy by turning off lights ans certain appliances not in use.

9. Please list at least one action you can take relating to Reuse: *

Bring your own reusable bag when shopping.

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Joni Savusa

Office Code (e.g., HAR-EE) *

HAR-OO

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper napkins.

9. Please list at least one action you can take relating to Reuse: *

Buy, sell or donate used items.

10. Please list at least one action you can take relating to Recycle: *

Participate in HI-5 Program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Carol-Ann Hodson

Office Code (e.g., HAR-EE) *

HAR-SF

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ◉ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Store food in a reusable container.

9. Please list at least one action you can take relating to Reuse: *

Use reusable bags when shopping

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Cynthia Bautista

Office Code (e.g., HAR-EE) *

HAR-SF

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off the lights when not in use.

9. Please list at least one action you can take relating to Reuse: *

Reuse newspaper to pack items

10. Please list at least one action you can take relating to Recycle: *

Buying glass jars that can be recycled.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Arleen Ganigan

Office Code (e.g., HAR-EE) *

HAR-SF

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights when not in use.

9. Please list at least one action you can take relating to Reuse: *

Reuse jars for containers.

10. Please list at least one action you can take relating to Recycle: *

Recycle plastic bottles and soda cans.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Maria Vuong

Office Code (e.g., HAR-EE) *

HAR-SF

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ○ It gets stored in the storm drain.
- ○ It goes to a municipal sanitary sewer system.
- ◉ It goes straight to the ocean or adjacent water body (e.g., stream).
- ○ None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ◉ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Buy spaghetti sauce in glass jar.

9. Please list at least one action you can take relating to Reuse: *

Reuse empty spaghetti glass jar for homemade mayonnaise sauce.

10. Please list at least one action you can take relating to Recycle: *

Put empty plastic container into the recycle bin.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Peter Kumasaka

Office Code (e.g., HAR-EE) *

HAR-SF

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- ( ) Protect Our Harbor Waters
- (•) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper.

9. Please list at least one action you can take relating to Reuse: *

Donate clothing to Salvation Army/Goodwill

10. Please list at least one action you can take relating to Recycle: *

Place paper into recycle bins instead of the trash can.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Candice Shintani

Office Code (e.g., HAR-EE) *

HAR-SP

Date: *

MM DD YYYY

10 / 20 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use reusable items (plastic, utensils, cups).

9. Please list at least one action you can take relating to Reuse: *

Use reusable water bottles.

10. Please list at least one action you can take relating to Recycle: *

Recycle cans & bottles, newpapers, cardboard & plastic items.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Christopher Murphy

Office Code (e.g., HAR-EE) *

HAR-SPRO

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ○ It gets stored in the storm drain.
- ○ It goes to a municipal sanitary sewer system.
- ◉ It goes straight to the ocean or adjacent water body (e.g., stream).
- ○ None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ◉ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Wash cars once/month instead of weekly.

9. Please list at least one action you can take relating to Reuse: *

Re-use plastic bags for waste can liners. Print on both sides of paper. Reuse cardboard boxes.

10. Please list at least one action you can take relating to Recycle: *

Office paper recycling contract. Buy products that have recycled content.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Mark Yamabe

Office Code (e.g., HAR-EE) *

HAR-ED

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights when not needed.

9. Please list at least one action you can take relating to Reuse: *

Donate used items.

10. Please list at least one action you can take relating to Recycle: *

REcycle newspaper and office paper.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Amy Iritani

Office Code (e.g., HAR-EE) *

HAR-E

Date: *

MM DD YYYY

10 / 23 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights when not in use.

9. Please list at least one action you can take relating to Reuse: *

Donate used items

10. Please list at least one action you can take relating to Recycle: *

purchase recyclable items.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Vandy Sibounbhenang

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins

9. Please list at least one action you can take relating to Reuse: *

Buy & sell or donate used items.

10. Please list at least one action you can take relating to Recycle: *

Recycle the basic (papers, plastic, metal, glass) food wastes, fabric and electronics.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Nestor G. Garon

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper napkins.

9. Please list at least one action you can take relating to Reuse: *

Buy & sell or donate used items.

10. Please list at least one action you can take relating to Recycle: *

Recycle the basics papers, plastics, metals, and glass.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Prodonera Mentoc

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins

9. Please list at least one action you can take relating to Reuse: *

Buy & sell or donate use items.

10. Please list at least one action you can take relating to Recycle: *

Recycle basic like paper, plastic, metal, glass, food waste, fabric & electronics.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Kevin Shiroma

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 03 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper napkins.

9. Please list at least one action you can take relating to Reuse: *

Buy & sell or donate used items.

10. Please list at least one action you can take relating to Recycle: *

Recycle the basics (paper plastic, metal, glass, food, water, fabric and electronics.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Richardo Doles

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper towels

9. Please list at least one action you can take relating to Reuse: *

Bring your own reusable bag when shopping

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

C. Valerian

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 02 / 220

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth, napkins instead of paper.

9. Please list at least one action you can take relating to Reuse: *

Donate used items.

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 program

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Norma Agmata

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper napkins.

9. Please list at least one action you can take relating to Reuse: *

Buy and sell or donate used items.

10. Please list at least one action you can take relating to Recycle: *

Recycle the basics (papers, plastic, metal, glass, food, waters, fabric and electronics.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Juan Salvador

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkin instead of paper towel.

9. Please list at least one action you can take relating to Reuse: *

Donate used clothes.

10. Please list at least one action you can take relating to Recycle: *

Recycle the basic paper, plastic, metal & glass, food, waters, fabric & electronics.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Manolito Malate

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth or napkins instead of paper towels.

9. Please list at least one action you can take relating to Reuse: *

Bring your own reusable bag when shopping.

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 Program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Diane Aki

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper towels.

9. Please list at least one action you can take relating to Reuse: *

Donate used clothes.

10. Please list at least one action you can take relating to Recycle: *

Do recycle paper.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Charles Saito

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins

9. Please list at least one action you can take relating to Reuse: *

Bring your own reusable bag when shopping.

10. Please list at least one action you can take relating to Recycle: *

Participate in the HI-5 Program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Shannon Bailang

Office Code (e.g., HAR-EE) *

HaR-OCG

Date: *

MM DD YYYY

10 / 02 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper towels.

9. Please list at least one action you can take relating to Reuse: *

Donate used items.

10. Please list at least one action you can take relating to Recycle: *

Recycle to HI-5 program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Everett Oliveira

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 26 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off the lights.

9. Please list at least one action you can take relating to Reuse: *

Reuse plastic bottles.

10. Please list at least one action you can take relating to Recycle: *

Hi-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

John Liftee

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- ( ) A non-stormwater discharge that poses a risk to the environment
- (•) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights

9. Please list at least one action you can take relating to Reuse: *

Reuse plastic bottles

10. Please list at least one action you can take relating to Recycle: *

HI-5 recycle.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Walter Aguinaldo

Office Code (e.g., HAR-EE) *

HAR=OCG

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights

9. Please list at least one action you can take relating to Reuse: *

Plastic bottles

10. Please list at least one action you can take relating to Recycle: *

HI-5 recycle.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Gordon Flaherty

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 28 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights.

9. Please list at least one action you can take relating to Reuse: *

Refill plastic bottles

10. Please list at least one action you can take relating to Recycle: *

HI-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Jose Ruiz

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off the lights.

9. Please list at least one action you can take relating to Reuse: *

Plastic water bottles

10. Please list at least one action you can take relating to Recycle: *

HI-5 recycle.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Antonio Rivera

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 28 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights

9. Please list at least one action you can take relating to Reuse: *

Refill water bottles

10. Please list at least one action you can take relating to Recycle: *

HI-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Robert Soares

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off the lights

9. Please list at least one action you can take relating to Reuse: *

Plastic water bottles

10. Please list at least one action you can take relating to Recycle: *

HI-5 Recycle.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Rosie Kapanui-Sule

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights.

9. Please list at least one action you can take relating to Reuse: *

Reuse water bottles.

10. Please list at least one action you can take relating to Recycle: *

HI-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Kenneth Zane

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights

9. Please list at least one action you can take relating to Reuse: *

Reuse water bottles

10. Please list at least one action you can take relating to Recycle: *

HI-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Franklin Cruz

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 28 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights

9. Please list at least one action you can take relating to Reuse: *

Refill water bottles

10. Please list at least one action you can take relating to Recycle: *

HI-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Heather Beibha

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights

9. Please list at least one action you can take relating to Reuse: *

Refill water bottles

10. Please list at least one action you can take relating to Recycle: *

Hi-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Kaweo Kaikala

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights

9. Please list at least one action you can take relating to Reuse: *

Reuse water bottles

10. Please list at least one action you can take relating to Recycle: *

Hi-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Georjiette Bush

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights

9. Please list at least one action you can take relating to Reuse: *

Water bottles

10. Please list at least one action you can take relating to Recycle: *

Hi-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Anthony Dela Cruz

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights

9. Please list at least one action you can take relating to Reuse: *

Reuse water bottles

10. Please list at least one action you can take relating to Recycle: *

Recycle Hi-5,

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Nestor Sagayadoro

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights

9. Please list at least one action you can take relating to Reuse: *

Reuse water bottles

10. Please list at least one action you can take relating to Recycle: *

Hi-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Joseph Alpuro

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights

9. Please list at least one action you can take relating to Reuse: *

Reuse water bottles

10. Please list at least one action you can take relating to Recycle: *

Hi-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Justin Piamonte

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights

9. Please list at least one action you can take relating to Reuse: *

Reuse plastic water bottles

10. Please list at least one action you can take relating to Recycle: *

Hi-5 recycle

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Nathan Schlupp

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Turn off lights

9. Please list at least one action you can take relating to Reuse: *

Reuse water bottles

10. Please list at least one action you can take relating to Recycle: *

Hi-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Lee Anhn Kaili

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Paper goods some items are only a one time use.

9. Please list at least one action you can take relating to Reuse: *

Using glass instead of paper produces, donating to shelters/homeless people.

10. Please list at least one action you can take relating to Recycle: *

HI-5

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Nelson Javonillo

Office Code (e.g., HAR-EE) *

HAR-OCM

Date: *

MM DD YYYY

10 / 23 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Use cloth napkins instead of paper napkins

9. Please list at least one action you can take relating to Reuse: *

Buy, sell, or donate used items

10. Please list at least one action you can take relating to Recycle: *

Participate in HI-5 program.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Rich Ruiz

Office Code (e.g., HAR-EE) *

HAR-OCG

Date: *

MM DD YYYY

10 / 13 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Educate the community.

9. Please list at least one action you can take relating to Reuse: *

Recycle

10. Please list at least one action you can take relating to Recycle: *

Recycle

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Jo-Ann Higashi

Office Code (e.g., HAR-EE) *

HAR-SF

Date: *

MM DD YYYY

10 / 27 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

NA

9. Please list at least one action you can take relating to Reuse: *

NA

10. Please list at least one action you can take relating to Recycle: *

NA

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

June Au

Office Code (e.g., HAR-EE) *

HAR-SF

Date: *

MM DD YYYY

10 / 29 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ◉ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

To turn off lights if no one is using that room (ex: Kitchen, bathroom, dining room). To reduce electricty.

9. Please list at least one action you can take relating to Reuse: *

To donate clothes and books.

10. Please list at least one action you can take relating to Recycle: *

To recycle plastic bottles and cans (HI-5 program)

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Sandra Rossetter

Office Code (e.g., HAR-EE) *

HAR-EP

Date: *

MM DD YYYY

10 / 26 / 2020

1. What happens to rain water that goes into a storm drain? *

- ○ It gets stored in the storm drain.
- ○ It goes to a municipal sanitary sewer system.
- ◉ It goes straight to the ocean or adjacent water body (e.g., stream).
- ○ None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Not buying single use plastic ie: bottled water.

9. Please list at least one action you can take relating to Reuse: *

Reusing containers that can be washed hand me downs instead of buying new.

10. Please list at least one action you can take relating to Recycle: *

Recycle plastic cans, paper.

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

William Chu Hing

Office Code (e.g., HAR-EE) *

HAR-H

Date: *

MM DD YYYY

10 / 05 / 2020

1. What happens to rain water that goes into a storm drain? *

- ○ It gets stored in the storm drain.
- ○ It goes to a municipal sanitary sewer system.
- ◉ It goes straight to the ocean or adjacent water body (e.g., stream).
- ○ None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ◉ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Reduce usage of chemicals

9. Please list at least one action you can take relating to Reuse: *

Reuse PPE when possible

10. Please list at least one action you can take relating to Recycle: *

Recycle Can, Bottles, Plastic

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Peter Pruski

Office Code (e.g., HAR-EE) *

HAR-OM

Date: *

MM DD YYYY

10 / 08 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ◉ Dispose of grass clippings properly
- ○ Plant native foliage
- ○ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ○ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ◉ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Recycle

9. Please list at least one action you can take relating to Reuse: *

Thinner

10. Please list at least one action you can take relating to Recycle: *

Beer cans

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

2020 Mandatory HDOT Harbors Division Employee Stormwater Awareness Survey

Please complete this survey by October 30, 2020. MAHALO NUI LOA!
Note: One answer per question

Name (First, Last) *

Clyde Aina

Office Code (e.g., HAR-EE) *

HAR-H

Date: *

MM DD YYYY

10 / 06 / 2020

1. What happens to rain water that goes into a storm drain? *

- ( ) It gets stored in the storm drain.
- ( ) It goes to a municipal sanitary sewer system.
- (•) It goes straight to the ocean or adjacent water body (e.g., stream).
- ( ) None of the above

2. What is the definition of an illicit discharge? *

- ( ) Using an unauthorized p-card
- (•) A non-stormwater discharge that poses a risk to the environment
- ( ) Unpolluted condensate from AC system
- ( ) Rain water

3. Which of the following is Harbors Division stormwater awareness message? *

- ( ) COP
- ( ) Mask Up
- (•) Protect Our Harbor Waters
- ( ) None of the above

4. When you allow car wash water to flow down the driveway and into the street, that dirty water could flow into a storm drain. *

- (•) True
- ( ) False

5. When it comes to gardening, which of the following can help reduce impact on water pollution? *

- ○ Use chemicals as needed
- ○ Dispose of grass clippings properly
- ○ Plant native foliage
- ◉ All of the above

6. What can you do when you observe a suspected illicit discharge at your harbor area? *

- ○ On Oahu, call Harbor Traffic Control Unit (aka Aloha Tower) at (808) 587-2076.
- ◉ Inform your supervisor.
- ○ Inquiry with Harbors Environmental Hotline at (808) 587-1962.
- ○ All of the above

7. Which of the following can be considered good practices at your home? *

- ○ Divert rainwater to landscaped area.
- ○ Reroute your car wash water to your lawn.
- ○ Dispose household hazards through programs managed by local county.
- ◉ All of the above.

8. Please list at least one action you can take relating to Reduce: *

Oil based paint

9. Please list at least one action you can take relating to Reuse: *

PPE if can

10. Please list at least one action you can take relating to Recycle: *

Metal, cans, plastic

Please provide any feedback/comment you may have. Thank you.

This content is neither created nor endorsed by Google.

Google Forms

Attachment 6.a

Illicit Discharge Detection Elimination Training Presentation Slides





Agenda

The purpose of this training is to discuss the fundamentals of environmental stewardship and the responsibilities that are required to achieve this.

- Introduction
- Pollutants of Concern
- Allowable Non-Storm Water Discharges
- 2014 Consent Decree and Permit Requirements
- Review of Common Illicit Discharges
- Reporting Suspected Illicit Discharges
- Questions/Quiz/Survey

Mālama I Ke Awa Kai
Protect Our Harbor Waters
2

Environmental Goals





- Clean Water
- Healthy Reefs
- Sustainable Environment

Mālama I Ke Awa Kai
Protect Our Harbor Waters
3

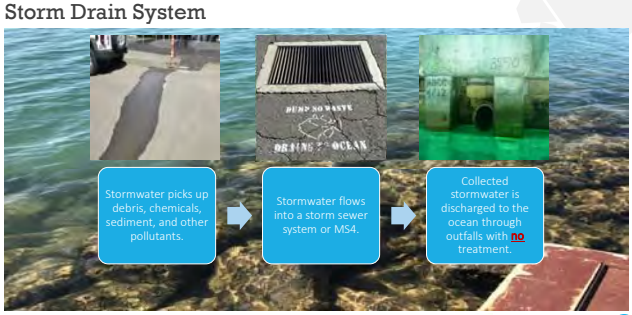
Can We Prevent This?






Mālama I Ke Awa Kai
Protect Our Harbor Waters
4

Storm Drain System



Mālama I Ke Awa Kai
Protect Our Harbor Waters
5



Illicit Discharge

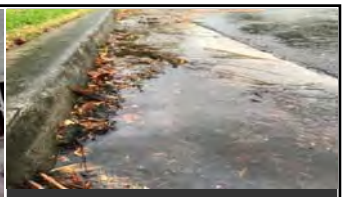
Any non-stormwater discharge that poses threat to the environment.





Mālama I Ke Awa Kai
Protect Our Harbor Waters
6





Pollutant

Any type of material or waste that degrades water quality, public health, the environment or the beneficial uses of receiving waters.

Pollutants of Concern

- Sediment
- Nutrients (leaves, trash, etc.)
- Bacteria and other pathogens
- Debris and garbage
- Chemicals and Hydrocarbons (insecticides, pesticides, paints, solvents, oil, automobile fluids)
- Metals (zinc, iron, aluminum)



Pollutant Categories

Physical

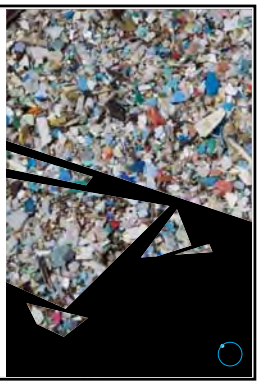
Sediment
Temperature
Gross Solids

Chemical

Nutrients
Metals
Hydrocarbons
Organic Compounds
Pesticides

Biological

Bacteria and Viruses



Physical Pollutants

Sediment

- Sources:
  - Construction Sites
  - Erosion
  - Urban Areas
  - Container Yards & Agricultural Practices
- Impacts:
  - Reduce light transmission
  - Smother habitat
  - Impair recreational use of water bodies
  - Also, transport other pollutants

Temperature

- Sources:
  - Power plants
  - Industries
  - Removal of trees along streams
  - Impervious areas (paved)
- Impacts:
  - Threat to stream insects & fish species

Gross Solids
Garbage, Trash, Plastics

- Sources:
  - Human activities
- Impacts:
  - Major threat to aquatic life
  - Impairs recreational uses
  - Expensive to clean up

Chemical Pollutants



Nutrients

Nitrogen & Phosphorus

- Sources:
  - Atmosphere,
  - Fertilizers
  - Sewage leaks
- Impacts:
  - Toxic algae blooms
  - Nitrogen forms: Ammonia, Nitrate/Nitrite
  - Phosphorus forms: Orthophosphates, Total P



Organic Compounds

Paints & paint thinners, Solvents, Degreasing Agents, Curing Agents, Sealing Compounds, PCBs

- Sources:
  - Construction sites
  - Industrial & Maintenance Facilities
  - Illegal Dumping
  - Poor Storage & Handling of Materials
- Impacts:
  - Threat to aquatic life
  - Bioaccumulation
  - Human health risks



Pesticides, Herbicides, Rodenticides and Insecticides

- Sources:
  - Agriculture
  - Urban landscaping
- Impacts:
  - Threat to aquatic life
  - Bioaccumulation
  - Human health risk

Chemical Pollutants (Continued)

Metals

- Sources:
  - Streets & highways
  - Buildings
  - Materials
  - Industrial activities
  - Container yards
  - Atmospheric deposition
- Impacts:
  - Toxic to aquatic life
  - Bioaccumulation
  - Human health
- Forms of Metal Pollutants (Can be dissolved or solid)
  - Copper, Zinc, Lead, Chromium, Cadmium, Iron, Aluminum, Others

Hydrocarbons

- Sources
  - Streets, highways, container yards
  - Fueling sites, emissions
  - Illegal dumping
  - Leakages (vehicles & equipment)
- Impacts
  - Threat to aquatic life
  - Threat to human health

Forms of Hydrocarbons

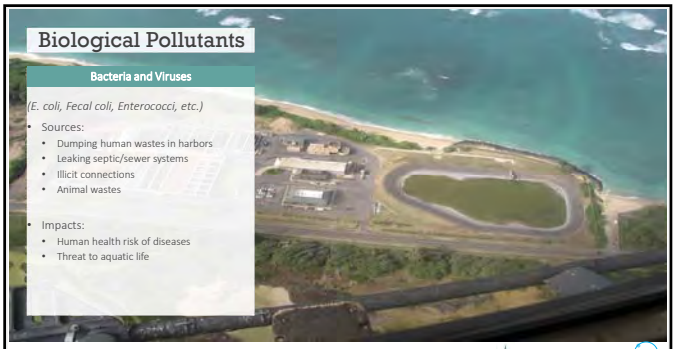
- Oil and Grease
- Fuels
- Hydraulic Fluids

Biological Pollutants

Bacteria and Viruses

(E. coli, Fecal coli, Enterococci, etc.)

- Sources:
  - Dumping human wastes in harbors
  - Leaking septic/sewer systems
  - Illicit connections
  - Animal wastes
- Impacts:
  - Human health risk of diseases
  - Threat to aquatic life

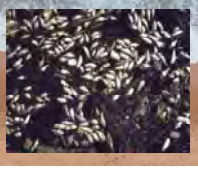


Additional Pollutants

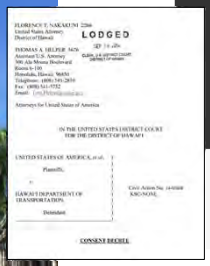
Oxygen Demand, pH, Algae, Chlorophyll

- Oxygen Demand Sources:
  - Sediment
  - Nutrients
  - Organics
  - Other Particles and Soluble Phases (e.g. Molasses and AFFF)
- Oxygen Demand Impacts:
  - Reduced Dissolved Oxygen levels harm aquatic life
  - Fish kills









2014 Consent Decree and NPDES Permit Requirements

A discussion on rules and regulations.

Consent Decree

- In November 2014, Harbors Division entered into a Consent Decree with DOJ/EPA/DOH
- Consent Decree available on Harbors website

http://hidot.hawaii.gov/harbors/files/2013/01/Consent-Decree.pdf

Consent Decree Requirements

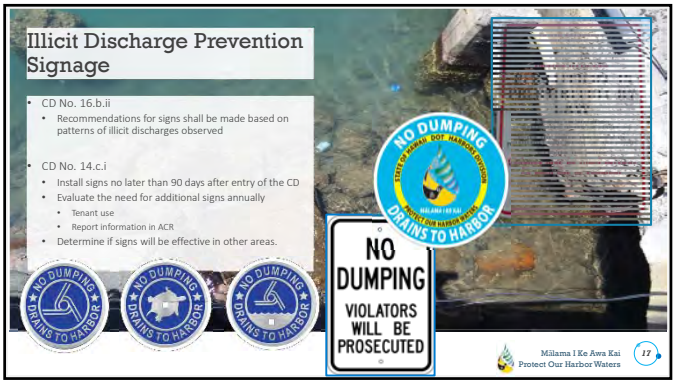
- No.16.b.i Conduct Site Assessments (or Harbor patrols) of High-Risk Areas. Site Assessments are intended to:
  - Identify active or recent illicit discharges
  - Increase the field presence of HDOT-Harbors Personnel
  - Defer illicit discharges
- No.16.b.ii Provide Outreach Activities During Site Assessments and Assess Locations for Signage.
  - BMP fliers and other materials
  - Schedule training and outreach activities

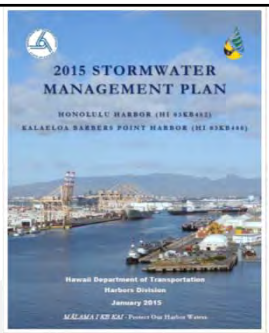


Available online - http://hidot.hawaii.gov/harbors/malamaikeawakai/

Illicit Discharge Prevention Signage

- CD No. 16.b.ii
  - Recommendations for signs shall be made based on patterns of illicit discharges observed
- CD No. 14.c.i
  - Install signs no later than 90 days after entry of the CD
  - Evaluate the need for additional signs annually
    - Tenant use
    - Report information in ACR
  - Determine if signs will be effective in other areas.

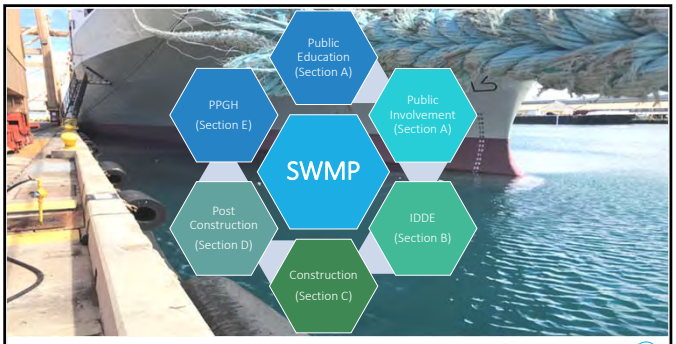




Regulatory Requirements

NPDES Permit Requirements

SWMP Implementation and Revisions



Allowable Non-Stormwater Discharges



- Daily Operations
  - Water line flushing
  - Air conditioning condensate
  - Landscape irrigation
  - Discharges from potable water sources and foundation drains
- Groundwater
  - Rising groundwater
  - (tidal intrusion)
  - Uncontaminated groundwater infiltration
  - Uncontaminated pumped groundwater
- Natural Origin
  - Springs
  - Riparian habitat and wetland flows
  - Diverted stream flows
- Emergencies
  - Discharge from fire fighting activities

Common Illicit Discharges:

- Washing Machines, Outdoor Hand Wash Stations, and Sinks Draining to Ground
- Building/Equipment Power Washing – Unpermitted and Improperly Contained
- Vehicle Washing – Unpermitted and Improperly Contained
- Large Spills – Vehicle Maintenance, Material Storage, Fueling Operations
- Petroleum Sheen During Rain Events and Debris from Painting Operations
- Sediment Discharge Due to Construction Activities

Best Management Practices (BMPs)

- **What is a BMP?**
  - Structural device or system
  - Operational or procedural practice
    - BMPs are specific to a facility's operation
  - Good examples of BMPS are picking up litter on the ground or promptly responding to a spill or using a drip pan for a leaking vehicle until maintenance can be completed.
- **Where are BMPs found?**
  - The Facility SWPCP or the Contractor's BMP Plan
  - DOT-Harbors Tenant Inspection Manual
  - Harbors Stormwater Management Website
  - Environmental Protection Agency BMP Menu

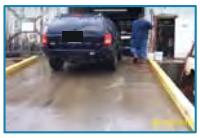
Common Illicit Discharges




Common Illicit Discharges: Building and Equipment Power Washing




Common Illicit Discharges: Vehicle Washing


Can you identify the potential pollution problem?



Common Illicit Discharges: Spills

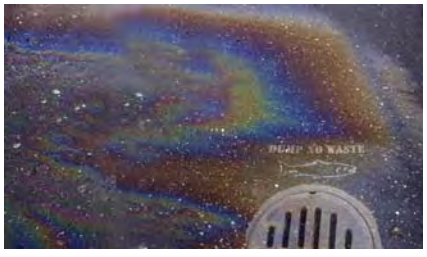




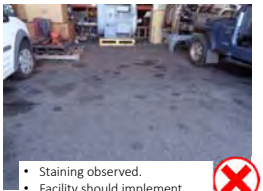
Common Illicit Discharges:




Can you identify the potential pollution problem?



Common Illicit Discharges: Good Housekeeping



- Staining observed.
- Facility should implement proper BMPs to prevent staining and should remove stains.



- Utilizing a containment device, however, the size of the applied device was not large enough.

Common Illicit Discharges: Construction Activities, Sediment

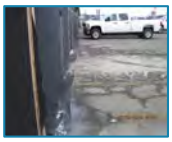
When observed, you can reach out to the following offices:

Environmental Section	(808) 587-1962
Construction Section	(808) 587-1866
Special Projects Section	(808) 586-2455

For Tenant Projects:

Environmental Section	(808) 587-1962
Property Management Section	(808) 587-1944







Vehicle and Equipment Washing







WHO IS APPROVED?

1. McCabe, Hamilton & Renny (Pier 23)
2. Young Brothers (Pier 40)
3. Matson (Pier 52)
4. Hawaii Stevedores (Pier 1 and Pier 51A)
5. UHMC

Suspected Illicit Discharge and Spill Reporting

Notify Harbors Contacts of spills:

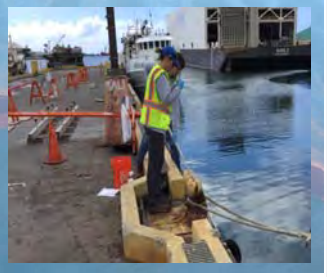
- Harbor Traffic Control Unit (24/7): 808-587-2076

What to report:

- Location of incident, date and time
- Description of incident & the media into or on to discharged
- Responsible party & cause of discharge
- Clean-up actions (if any) & notifications made

Further Investigation:

- Harbors Environmental Hotline: 808-587-1962



Suspected Illicit Discharge Investigation & Reporting Steps:

Observe

- If a suspected illicit discharge is observed, **STOP** and **investigate**.
- Take **notes** and **photos** of what you observe!

Trace

- **Follow** the discharge to locate the **source**.
- **Speak** with local representatives (employees and tenant representatives) about the suspected illicit discharge.

Report

- **Call** Harbors Traffic Control.

Document

- **Fill out** and **submit** Suspected Illicit Discharge Reporting form to HAR-EE for follow-on investigation (if warranted) and for recording in our Cityworks AMS.

Suspected Illicit Discharge Reporting Forms



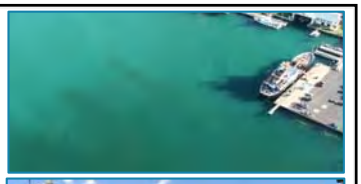


Illicit Discharge Reporting

If you see something, report it to Harbor Traffic Control Unit (24/7) at **808-587-2076**









Escalating Enforcement

An environmental violation may lead to penalties:

- Oral or Verbal Warning
- Written Warning (Inspection Report + Letter)
- Notice of Apparent Violation
- Notice of Finding of Violation and Order
- Termination of Lease / Revocable Permit



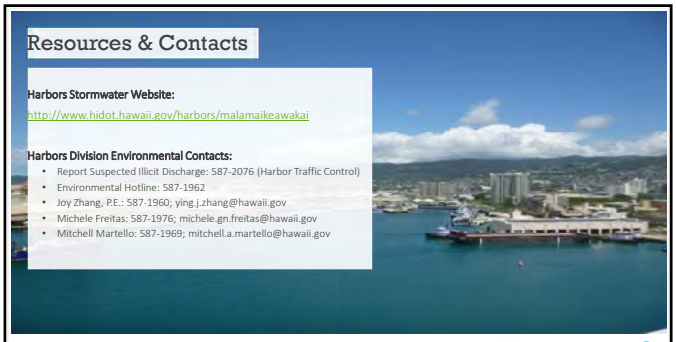
Resources & Contacts

Harbors Stormwater Website:

http://www.hidot.hawaii.gov/harbors/malamaikeawakai

Harbors Division Environmental Contacts:

- Report Suspected Illicit Discharge: 587-2076 (Harbor Traffic Control)
- Environmental Hotline: 587-1962
- Joy Zhang, P.E.: 587-1960; ying.j.zhang@hawaii.gov
- Michele Freitas: 587-1976; michele.gn.freitas@hawaii.gov
- Mitchell Martello: 587-1969; mitchell.a.martello@hawaii.gov



Questions?

Please Contact Harbors Environmental Section at:

808- 587-1962

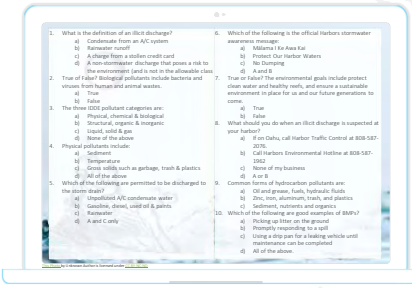
Harbors Environmental Website:

http://hidot.hawaii.gov/harbors/malamaikeawakai/

- Continual Improvement
- Obey Laws
- Prevent Pollution

IDDE Training Quiz

Please complete the training quiz and provide to HAR-EE personnel.



1. What is the definition of an illicit discharge?
   a) Condensate from an A/C system
   b) Rainwater runoff
   c) A charge from a stolen credit card
   d) A non-stormwater discharge that poses a risk to the environment (and is not in the allowable class
2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a) True
   b) False
3. The three IDDE pollutant categories are:
   a) Physical, chemical & biological
   b) Structural, organic & inorganic
   c) Liquid, solid & gas
   d) None of the above
4. Physical pollutants include:
   a) Sediment
   b) Temperature
   c) Gross solids such as garbage, trash & plastics
   d) All of the above
5. Which of the following are permitted to be discharged to the storm drain?
   a) Unpolluted A/C condensate water
   b) Gasoline, diesel, used oil & paints
   c) Rainwater
   d) A and C only
6. Which of the following is the official Harbors stormwater awareness message:
   a) Mālama I Ke Awa Kai
   b) Protect Our Harbor Waters
   c) No Dumping
   d) A and B
7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a) True
   b) False
8. What should you do when an illicit discharge is suspected at your harbor?
   a) If on Oahu, call Harbor Traffic Control at 808-587-2076.
   b) Call Harbors Environmental Hotline at 808-587-1962
   c) None of my business
   d) A or B
9. Common forms of hydrocarbon pollutants are:
   a) Oil and grease, fuels, hydraulic fluids
   b) Zinc, iron, aluminum, trash, and plastics
   c) Sediment, nutrients and organics
10. Which of the following are good examples of BMPs?
    a) Picking up litter on the ground
    b) Promptly responding to a spill
    c) Using a drip pan for a leaking vehicle until maintenance can be completed
    d) All of the above.

Attachment 6.b

Illicit Discharge Detection Elimination Training Survey and Results Summary

Attachment 6b.
2020 IDDE Questionnaire

	Correct Answer		***d***	***a***	***a***	***d***	***d***	***d***	***a***	***d***	***a***	***d***	
Total	*% Correct*		*100%*	*100%*	*100%*	*100%*	*100%*	*100%*	*100%*	*100%*	*100%*	*100%*	
26	*# Correct*		*26*	*26*	*26*	*26*	*26*	*26*	*26*	*26*	*26*	*26*	*# Correct*
Name	**Office Code**	**Date**	**Question 1**	**Question 2**	**Question 3**	**Question 4**	**Question 5**	**Question 6**	**Question 7**	**Question 8**	**Question 9**	**Question 10**		**Comments**
Neil Takeawa	*HAR-O*	10/16/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Peter Pilone	*HAR-O*	10/20/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Joseph Garcia	*HAR-OC*	10/28/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Franita "Kap" Gomez	*HAR-OCT*	11/3/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Jonathan L. Kua	*HAR-OCT*	10/26/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Hayashi, Elaine	*HAR-OCT*	10/28/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Lukela Bgood	*HAR-OCT*	10/27/2020	d	a	a	d	d	d	a	d	a	d	*10*	
McWayne Kahumoku	*HAR-OCT*	10/30/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Cindy S. Nakamurz	*HAR-OCT*	10/28/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Keri N. Klemek	*HAR-OCT*	10/26/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Amgad Youssef	*HAR-OE*	10/18/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Kerstin Kono	*HAR-OE*	10/18/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Gabriel Delapenia	*HAR-OE*	10/17/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Chad Nishimura	*HAR-OE*	10/17/2020	d	a	a	d	d	d	a	d	a	d	*10*	
ISA Richard	*HAR-OE*	10/18/2020	d	a	a	d	d	d	a	d	a	d	*10*	
D. Srrow	*HAR-OE*	10/18/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Gary Tsuzuki	*HAR-OE*	10/18/2020	d	a	a	d	d	d	a	d	a	d	*10*	
J. Ganton	*HAR-OE*	10/18/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Joey Kaili	*HAR-OE*	10/18/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Ryan Fernandez	*HAR-OE*	10/18/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Aaron Chu	*HAR-OE*	10/22/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Kelly Flaherty	*HAR-OE*	10/17/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Richard Ruiz	*HAR-OE*	10/17/2020	d	a	a	d	d	d	a	d	a	d	*10*	
John DeJesus	*HAR-OE*	10/16/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Mark M. Hanohano	*HAR-OE*	10/16/2020	d	a	a	d	d	d	a	d	a	d	*10*	
Ronald Kawika Agpalsa	*HAR-OC*	10/19/2020	d	a	a	d	d	d	a	d	a	d	*10*	

100%	**Total**
10	**Average Score**

Attachment 6b.
2020 IDDE Training Feedback Summary

				Average Rating 4.39				
			1. How does your job relate to IDDE?	Did you find the IDDE Training relevant and useful? On a scale of 1-5 (1=not relevant and 5=extremely relevant and useful)	2. What was the most interesting thing you learned in this training?	3. What other topics would you like to see covered in this training?	4. Do you have any recommendations on how to improve our annual IDDE Training?	Additional Comments:
Name	**Office Code**	**Date**	**Comments**	**Rate**	**Comments**	**Comments**	**Comments**	**Comments**
Franita "Kap" Gomez	*HAR-OCT*	11/3/2020	Tower is open 24/7 and has to be ready for any type of incidents in the harbor. Tower operators have to follow proper procedures and make notifications as necessary.	5	Different types of pollutants and BMPs.	N/A	Due to COVID training has to be done this way. I liked it when it was done live so we could ask questions.	N/A
Johathan L. Kua	*HAR-OCT*	10/26/2020	Our unit is the first contact for oil spills and illicit discharges. WE are responsible for gathering all possible informatuion and sending units to investigatie as well as make notifications to all involved agencies.	5	How much we do matters for the environment	How to report an incidient to the proper authorities.	None at this time	
Elaine C. Hayashi	*HAR-OCT*		I work in the tower, calls come to us.	4				
Lukea Bgood	*HAR-OCT*	10/27/2020	We take all Illicit Discharge calls	5	How much junk wash up in the water	N/A	N/A	Thank you and happy holidays.
McWayne Kahumoku	*HAR-OCT*	10/30/2020	Point of contact for any illicit discharge in Honolulu Harbor.	5	All information provided in the training were very helpful.	None	None	None
Cindy S. Nakamurz	*HAR-OCT*	10/28/2020	Illicit discharge is a big part of our job.	5	All was interseting		No	
Keri N. Klemek	*HAR-OCT*	10/26/2020	First point of contact for reported illicit discharge at harbor	5	How temperature is a physical pollutant.	N/A Pretty thorough training	Video does not play without frequently stopping or buffering makes it a little difficult to follow. Online quiz.	Online quiz and survey.
Amgad Youssef	*HAR-OE*	10/18/2020	The majority of our territory is within HI commercial harbor, a very critical infrastructure to hawaii, So keeping our waters clean and ensuring commercial traffic complies with illicit discharge regulations	5	There are more than one way to conserve eater	Nothing comes to mind at this time	Ensure that it is enforceable.	None at this time
Kerstin Kono	*HAR-OE*	10/18/2020	Prevent, educate, enforce	3	Same as last year	N/A	N/A	N/A
Gabriel Delapenia	*HAR-OE*	10/17/2020	We are required to identify and detect illicit discharges, we are also a presence in the field.	3	Been through this same training before. I leearned DOT harbors is continuing to look at paper signage and increasing manpower as presence	None	No	N/A
Chad Nishimura	*HAR-OE*	10/17/2020	Identify if it is illicit and ID violator, report incident.	5	what is an illicit discharge	all is covered	TRN is perfect	

Attachment 6b.
2020 IDDE Training Feedback Summary

Name	Office Code	Date	Comments	Rate	Comments	Comments	Comments	Comments
ISA Richard	*HAR-OE*	10/18/2020	I am on parol of the harbor areas for ID problems.	5	The process of training	N/A	None	Thank you
Dhpio, Srrow	*HAR-OE*	10/19/2020	Patrol of harbor for illicit discharges	5	Process of traninig and variety of problems	-	-	
Gary Tsuzuki	*HAR-OE*	10/18/2020	We need to identify, detect, and report illicit discharges	4	How everyone must contribute to keep our envrionment free of pollution and illicit discharges.	none at this time	no	
Joe Ganton	*HAR-OE*	10/18/2020	Report and detect when observed violation	4	Environmental pollution	None	None	
Joey Kaili	*HAR-OE*	10/18/2020	Need to detect illicit discharges	2	Learned a lot about IDDE	training was very educational	no recommendations	
Mark M. Hanohano	*HAR-OE*	10/16/2020	We are the entity of harbors that enforces and cites Harbor Police	4	All	None I can think of	None	
Neil Miyasato	*HAR-OE*	10/19/2020	We enforce HAR Title 19	5	N/A	N/A	N/A	Great video!
Ronald Kawika Agpals	*HAR-OC*	10/19/2020	Our unit normally is the initial response unit that response do an illicit discarge type call. We provide dispatch with a description of what we observe and if any other unit/agenices need to be sent to provide assistance/cleanup		N/A	N/A	N/A	N/A

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of hydrocarbon pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Name: Neil Takekawa

Office Code HAR-O

Date: 10/16/2020

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. ✓ A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. ✓ True
   b. False

3. The 3 IDDE pollutant categories are:
   a. ✓ Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. ✓ All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. ✓ a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. ✓ a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. ✓ True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. ✓ a or b

9. Common forms of <u>hydrocarbon</u> pollutants are:
   a. ✓ Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. ✓ All of the above

Name: Peter Pillone

Office Code HAR-O

Date: 10/20/20

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of hydrocarbon pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Name: Joseph Garcia

Office Code HAR-OC

Date: 10/28/20

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of <u>hydrocarbon</u> pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Name: Franita "Kap" Gomez

Office Code OCT

Date: 11/03/2020

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: Franita "Kap" Gomez **Date:** Nov 03, 2020

Company / Office Code: OCT **Job Title:** Harbor Traffic Controller

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   Tower is open 24/7 and has to be ready for any type of incidents in the harbor. Tower Operators have to follow proper procedures and make notifications as necessary.

Did you find the IDDE Training relevant and useful?

On a scale of 1 to 5, circle one number:
1 = not relevant / useful, 5 = extremely relevant / useful

1 2 3 4 (5)

2. What was the most interesting thing you learned in this training?
   Different types of pollutants & BMP's

3. What other topics would you like to see covered in this training?
   N/A

4. Do you have any recommendations on how to improve our annual IDDE training?
   Due to covid training has to be done this way. I liked it when it was done live so we could ask questions

Please provide additional comments below.

N/A

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of <u>hydrocarbon</u> pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Name: Jonathan L. Kua

Office Code HAR-OCT

Date: 10/26/2020

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: Jonathan L. Kua **Date:** 10/26/2020

Company / Office Code: HAR-OCT **Job Title:** Harbor Traffic Controller Supervisor

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   Our unit is the first contact for oil spills and illicit discharges. We are responsible for gathering all possible information and sending units to investigate as well as making notifications to all involved agencies.

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 3 4 (5)

3. What was the most interesting thing you learned in this training?
   How much what we do matters for the environment.

4. What other topics would you like to see covered in this training?
   How to report an incident to the proper authorities.

5. Do you have any recommendations on how to improve our annual IDDE training?
   None at this time.

Please provide additional comments below.

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   X A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   X True
   b. False

3. The 3 IDDE pollutant categories are:
   X Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   X All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   X a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   X a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   X True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   X a or b

9. Common forms of hydrocarbon pollutants are:
   X Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    X All of the above

Name: HAYASHI, ELAINE

Office Code HAR-OCT

Date: 10/28/2020

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: ELAINE C. HAYASHI **Date:** _____

Company / Office Code: _____ **Job Title:** HAR TRAFFIC CONTROLLER

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   I WORK IN THE TOWER - CALLS COME TO US.

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 3 (4) 5

3. What was the most interesting thing you learned in this training?

4. What other topics would you like to see covered in this training?

5. Do you have any recommendations on how to improve our annual IDDE training?

Please provide additional comments below.

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of hydrocarbon pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Name: Lukela Bgood

Office Code Har-OCt

Date: 10-27-20

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: Cukela Bagood **Date:** 10-27-20

Company / Office Code: Har-OCT **Job Title:** Twr Harbor traffic Control

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   We take all Illicit dischg calls

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 3 4 (5)

3. What was the most interesting thing you learned in this training?
   How much Sunk wash up in the water.

4. What other topics would you like to see covered in this training?
   N/A

5. Do you have any recommendations on how to improve our annual IDDE training?
   N/A

Please provide additional comments below.
thank you Have a happy Holidays.

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of <u>hydrocarbon</u> pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Name: McWayne Kahumoku

Office Code HAR-OCT

Date: 10/30/2020

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: McWayne Kahumoku **Date:** 10/30/2020

Company / Office Code: HAR-OCT **Job Title:** HarborTrafficController

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   Point of contact for any illicit discharge in Honolulu Harbor

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 3 4 ■

3. What was the most interesting thing you learned in this training?
   All information provided in the training video were very helpful

4. What other topics would you like to see covered in this training?
   None

5. Do you have any recommendations on how to improve our annual IDDE training?
   None

Please provide additional comments below.

None

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of hydrocarbon pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Name: Cindy S. Nakamura

Office Code HAR-OCT

Date: 10/28/2020

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: Cindy S. Nakamura **Date:** 10/28/2020

Company / Office Code: _____ **Job Title:** Harbor Traffic Controller

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   Illicit discharge is a big part of our job.

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 3 4 (5)

3. What was the most interesting thing you learned in this training?
   All was interesting

4. What other topics would you like to see covered in this training?

5. Do you have any recommendations on how to improve our annual IDDE training?
   No

Please provide additional comments below.

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   (d.) A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   (a.) True
   b. False

3. The 3 IDDE pollutant categories are:
   (a.) Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   (d.) All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   (d.) a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   (d.) a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   (a.) True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   (a.) If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   (d.) a or b

9. Common forms of <u>hydrocarbon</u> pollutants are:
   (a.) Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    (d.) All of the above

Name: Keri N. Klemek

Office Code HAR-OCT

Date: 10/26/2020

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: KERI N. KLEMEK **Date:** OCT. 26, 2020

Company / Office Code: HAR-OCT **Job Title:** Harbor Traffic Control

1. How does your job relate to illicit discharge detection & elimination (IDDE)?

   FIRST POINT of CONTACT FOR REPORTED ILLICIT DISCHARGE AT THE HARBOR.

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 3 4 (5)

3. What was the most interesting thing you learned in this training?

   HOW TEMPERATURE IS A PHYSICAL POLLUTANTS.

4. What other topics would you like to see covered in this training?

   N/A PRETTY THOROUGH TRAINING

5. Do you have any recommendations on how to improve our annual IDDE training?

   VIDEO DOES NOT PLAY W/O FREQUENTLY STOPPING OR BUFFERING MAKES IT A LITTLE DIFFICULT TO FOLLOW. ONLINE QUIZ.

Please provide additional comments below.

ONLINE QUIZ AND SURVEY.

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

Name: Amgad YOUSSEF

Office Code HAR-OE

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of <u>hydrocarbon</u> pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Date: 10-18-2020

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: AMGAD YOUSEF **Date:** 10.18.2020

Company / Office Code: STATE OF HAWAII, HARBOR **Job Title:** HARBOR POLICE II

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   THE MAJORITY OF OUR TERRITORY IS WITHIN HI COMMERCIAL HARBOR, A VERY CRITICAL INFRASTRUCTURE TO HAWAII. SO KEEPING OUR WATERS CLEAN AND ENSURING COMMERCIAL TRAFFIC COMPLIES WITH ILLICIT DISCHARGE REGULATIONS

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 3 4 (5)

3. What was the most interesting thing you learned in this training?
   THERE ARE MORE LAWS THAN ONE TO CONSERVE WATER

4. What other topics would you like to see covered in this training?
   NOTHING COMES TO MIND AT THIS TIME.

5. Do you have any recommendations on how to improve our annual IDDE training?
   ENSURE THAT IT IS ENFORCEABLE.

Please provide additional comments below.

NONE AT THIS TIME.

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of <u>hydrocarbon</u> pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Name: Kerstin KONO KK

Office Code HAR-OE

Date: 10-18-2020

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: KERSTIN KONO **Date:** 10-16-2020

Company / Office Code: HAR-OE **Job Title:** HARBOR ENFORCEMENT OFFICER II

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   PREVENT, EDUCATE, ENFORCE

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 (3) 4 5

3. What was the most interesting thing you learned in this training?
   SAME AS LAST YEAR

4. What other topics would you like to see covered in this training?
   N/A

5. Do you have any recommendations on how to improve our annual IDDE training?
   N/A

Please provide additional comments below.

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of <u>hydrocarbon</u> pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Name: Gabriel Delapenia

Office Code HAR-OE

Date: 10-17-2020

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: Gabriel Delapenia **Date:** 10/17/2020

Company / Office Code: HAR-OE **Job Title:** HEO III

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   We are required to identify and detect illicit discharges, we are also a presence in the field.

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 (3) 4 5

3. What was the most interesting thing you learned in this training?
   Been through this same training before. I learned DOT Harbors is continuing to looke at proper signage and increasing manpower as presence.

4. What other topics would you like to see covered in this training?
   None

5. Do you have any recommendations on how to improve our annual IDDE training?
   No

Please provide additional comments below.

N/A

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of <u>hydrocarbon</u> pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Name: Chad Nishimura

Office Code HAR-OE

Date: 10-17-2020

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: CHAD C. NISHIMURA **Date:** 10-17-20

Company / Office Code: HAR OE **Job Title:** HEO II

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   IDENTIFY IF IT IS ILLICIT AND ID VIOLATOR'S REPORT INCIDENT

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 3 4 (5)

3. What was the most interesting thing you learned in this training?
   WHAT IS AN ILLICIT DISCHARGE.

4. What other topics would you like to see covered in this training?
   ALL IS COVERED

5. Do you have any recommendations on how to improve our annual IDDE training?
   TRN IS PERFECT

Please provide additional comments below.

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   (d.) A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   (a.) True
   b. False

3. The 3 IDDE pollutant categories are:
   (a.) Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   (d.) All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   (d.) a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   (d.) a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   (a.) True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   (d) a or b

9. Common forms of hydrocarbon pollutants are:
   (a.) Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    (d) All of the above

Name: ISIA, RICHARD

Office Code HAR-DE

Date: 10-18-2020

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of <u>hydrocarbon</u> pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Name: Dupio, Sergio

Office Code HAR-OTE

Date: 10-19-20

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   (d.) A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   (a.) True
   b. False

3. The 3 IDDE pollutant categories are:
   (a.) Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   (d.) All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   (d.) a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   (d.) a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   (a.) True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   (d.) a or b

9. Common forms of <u>hydrocarbon</u> pollutants are:
   (a.) Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    (d.) All of the above

Name: Gary Tsuzuki

Office Code HA2-OE

Date: 10-18-2020

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   (d.) A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   (a) True
   b. False

3. The 3 IDDE pollutant categories are:
   (a.) Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   (d) All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   (d.) a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   (d) a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   (a.) True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   (d.) a or b

9. Common forms of <u>hydrocarbon</u> pollutants are:
   (a.) Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    (d) All of the above

Name: J. GANTON

Office Code HMR-OE

Date: 10.18.20

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   (d.) A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   (a.) True
   b. False

3. The 3 IDDE pollutant categories are:
   (a) Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   (d.) All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   (d) a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   (d.) a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   (a.) True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   (d.) a or b

9. Common forms of hydrocarbon pollutants are:
   (a.) Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    (d.) All of the above

Name: Joey Kaili

Office Code Har-OE

Date: 10/18/2020

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: ISA, RICHARD **Date:** 10-18-2020

Company / Office Code: HAR-05 **Job Title:** HEO II

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   I AM ON PATROL OF THE HARBOR AREAS TO I.D. PROBLEMS.

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 3 4 (5)

3. What was the most interesting thing you learned in this training?
   THE PROCESS OF TRAINING

4. What other topics would you like to see covered in this training?
   N/A

5. Do you have any recommendations on how to improve our annual IDDE training?
   NONE

Please provide additional comments below.
THANK YOU.

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: DAVID, SARROW **Date:** 10-19-20

Company / Office Code: HAR-OR **Job Title:** HRO II

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   PATROL OF HARBOR FOR ILLICIT DISCHARGE

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 3 4 (5)

3. What was the most interesting thing you learned in this training?
   THE PROCESS OF TRAINING AND VARIETY OF PROBLEMS

4. What other topics would you like to see covered in this training?
   UNKNOWN

5. Do you have any recommendations on how to improve our annual IDDE training?
   NONE AT THIS TIME

Please provide additional comments below.

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: Gary Tsuzuki **Date:** 10-18-2020

Company / Office Code: HAL-OE **Job Title:** HEO-III

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   WE NEED TO IDENTIFY, DETECT AND REPORT ILLICIT DISCHARGES.

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 3 (4) 5

3. What was the most interesting thing you learned in this training?
   How Everyone must contribute to keep are environment free of pollution and illicit discharges.

4. What other topics would you like to see covered in this training?
   None at this time.

5. Do you have any recommendations on how to improve our annual IDDE training?
   NO

Please provide additional comments below.

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: JOE GRANTON **Date:** 10·18·20

Company / Office Code: HAR-OE **Job Title:** HARBOR POLICE

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   REPORT & DETECT WHEN OBSERVED VIOLATION

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 3 (4) 5

3. What was the most interesting thing you learned in this training?
   ENVIRONMENTAL POLUTION

4. What other topics would you like to see covered in this training?
   NONE

5. Do you have any recommendations on how to improve our annual IDDE training?
   NONE

Please provide additional comments below.

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: Joey Kaili **Date:** 10/18/2020

Company / Office Code: HAR OE **Job Title:** Harbor Enforcement officer II

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   Need to detect illicit discharges and report.

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 3 4 (5)

3. What was the most interesting thing you learned in this training?
   I learned a lot about illicit discharge and detection + elimination.

4. What other topics would you like to see covered in this training?
   Training was very educational

5. Do you have any recommendations on how to improve our annual IDDE training?
   No recommendations.

Please provide additional comments below.

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of <u>hydrocarbon</u> pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Name: Ryan FERNANDEZ

Office Code HAR-OE

Date: 10-18-20

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of <u>hydrocarbon</u> pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Name: Aaron CHU

Office Code HAR-OE

Date: 10-22-20

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of hydrocarbon pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Name: Kelly FLAHERTY KF

Office Code HAR-OE

Date: 10-17-20

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of <u>hydrocarbon</u> pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Name: Richard RUIZ

Office Code HAR-OE

Date: 10-17-20

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of <u>hydrocarbon</u> pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Name: John DEJESUS

Office Code HAR-OE

Date: 10-16-20

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of <u>hydrocarbon</u> pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Name: Mark M. Hanohano

Office Code HAR-OE

Date: 10/16/20

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: Mark Hanohano **Date:** 10/16/2020

Company / Office Code: HAR-OE **Job Title:** Unit Head

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   We are the entity of Harbors that enforces and cites – Harbor Police.

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 3 (4) 5

3. What was the most interesting thing you learned in this training?
   All.

4. What other topics would you like to see covered in this training?
   None I can think of.

5. Do you have any recommendations on how to improve our annual IDDE training?
   None.

Please provide additional comments below.

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: Neal MIYASATO **Date:** 10-19-20

Company / Office Code: Harbors Division / HAR-OE **Job Title:** HEO-IV

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   We enforce HAR Title 19.

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 3 4 5

3. What was the most interesting thing you learned in this training?
   N/A

4. What other topics would you like to see covered in this training?
   N/A

5. Do you have any recommendations on how to improve our annual IDDE training?
   N/A

Please provide additional comments below.

Great video!

2020 IDDE Training Quiz

1. What is the definition of an illicit discharge?
   a. Condensate from an A/C system
   b. Rain water runoff
   c. A charge from a stolen credit card.
   d. A non-storm water discharge (NSWD) that poses a risk to the environment *(and is not in the allowable class)*.

2. True or False? Biological pollutants include bacteria and viruses from human and animal wastes.
   a. True
   b. False

3. The 3 IDDE pollutant categories are:
   a. Physical, chemical & biological
   b. Structural, organic & inorganic
   c. Liquid, solid & gas
   d. None of the above.

4. Physical pollutants include:
   a. Sediment
   b. Temperature
   c. Gross solids such as garbage, trash & plastics
   d. All of the above

5. Which of the following are permitted to be discharged to the storm drain?
   a. Unpolluted A/C condensate water
   b. Gasoline, diesel, used oil & paints
   c. Rainwater.
   d. a and c only

6. Which of the following is the official Harbors stormwater awareness message
   a. Malama I ke awa kai
   b. Protect our harbor waters
   c. No dumping
   d. a and b

7. True or False? The environmental goals include protect clean water and healthy reefs, and ensure a sustainable environment in place for us and our future generations to come.
   a. True.
   b. False

Name: Ronald Kawika Agpalsa

Office Code HAR-OE

8. What should you do when an illicit discharge is suspected at your harbor?
   a. If on Oahu, call Harbor Traffic Control at (808) 587-2076.
   b. Call Harbors Environmental Hotline at (808) 587-1962.
   c. None of my business
   d. a or b

9. Common forms of hydrocarbon pollutants are:
   a. Oil & grease, fuels and hydraulic fluids
   b. Zinc, iron and aluminum
   c. Garbage, trash and plastics
   d. Sediment, nutrients and organics

10. Which of the following are good examples of Best Management Practices (BMPs)?
    a. Picking up litter on the ground
    b. Promptly responding to a spill
    c. Using a drip pan for a leaking vehicle until maintenance can be completed
    d. All of the above

Date: 10-19-20

2020 HDOT Harbors Illicit Discharge Detection & Elimination (IDDE) Training Survey

Instruction: Please complete this survey and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA!

Name: Ronald Kawika Agpalsa **Date:** 10-19-20

Company / Office Code: HAR-OE **Job Title:** Sgt.

1. How does your job relate to illicit discharge detection & elimination (IDDE)?
   Our unit normally is the initial response unit that responds to a illicit discharge type call. We provide dispatch with a description of what we observe and if any other units/agencies need to be sent to provide assistance/clean up.

2. Did you find the IDDE Training relevant and useful?
   On a scale of 1 to 5, circle one number:
   1 = not relevant / useful, 5 = extremely relevant / useful

   1 2 3 4 5

3. What was the most interesting thing you learned in this training?
   N/A

4. What other topics would you like to see covered in this training?
   N/A

5. Do you have any recommendations on how to improve our annual IDDE training?
   N/A

Please provide additional comments below.

N/A

Attachment 7.a

Tenant Inspection Manual Presentation Slides

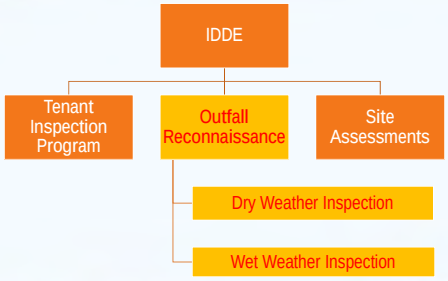
OUTFALL RECONNAISSANCE INVENTORY AND INSPECTION

By HAR-EE
HDOT Harbors Division

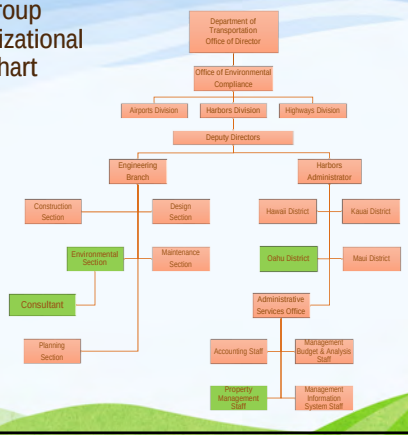
OUTLINE

- Introduction and Purpose
- Outfall Inventory
- Outfall Inspection and Documentation
- Enforcement
- Training and HASP

IDDE Program



Group Organizational Chart



PURPOSE OF ORII

- Establishing a framework for annual dry/wet weather inspections.
  - Dry Weather Inspection includes
    - Annual Prioritized Outfall/Sheet Flow Inspection
    - Biennial Complete Outfall/Sheet Flow Inspection
- Documenting basic physical characteristics of each outfall.
- Source tracking and elimination of potential illicit discharges.
- Illicit Discharge: An NSWD that poses a risk to the environment

OUTFALL INVENTORY

- Map (Use Cityworks powered AMS/GIS)
- Approximately 119 outfalls at Honolulu Harbor and 39 outfalls at Kalaeloa Barbers Point Harbor (AMS Demonstration)
  - Note: For inaccessible areas, will conduct up-stream drain inlet(s) or trench drain inspection (e.g., KBPH)
- Recorded in Geo-database and Access-database format.
  - Photo, Type of Material, Size, Condition, and Date of Installation (if known)
- Updated annually or as needed.

OUTFALL INSPECTION?



OUTFALL INSPECTION?



OUTFALL INSPECTION?



OUTFALL INSPECTION?



OUTFALL INSPECTION - PREPARATION

- Prepare SSHSP
  - SAFETY FIRST, ALWAYS FIRST
  - Maintain communication at all times (Two-way Radio or Walkie Talkie)
- TWIC or CAC
- Scheduling and Notifications by HAR-EE (District Office, and HTC if in water; avoid fueling operation areas) – Low Tide (≤ 1' above MLLW)
- Preparing Field Equipment (Appendix A) and PPE (HASP)
- Field Logistics - Appoint Site Manager, Pre-notification, Mobilization
- Site Manager's Primary Responsibilities

EXAMPLE OF COMMUNICATION WITH HTC

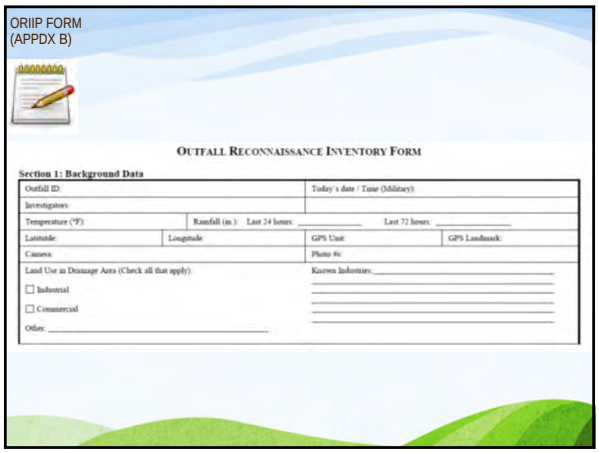
ORIIP Personnel: "Aloha Tower, this is Harbors Engineering."

HTC: "Harbors Engineering, this is Aloha Tower."

ORIIP Personnel: "Aloha Tower, Harbors Engineering would like to request to move from *Pier 10* to *Pier 24*."

HTC: "Okay, Harbors Engineering, proceed to *Pier 24*." (Note that their response varies depending on existing traffic situation at Honolulu Harbor.)

ORIIP FORM
(APPDX B)

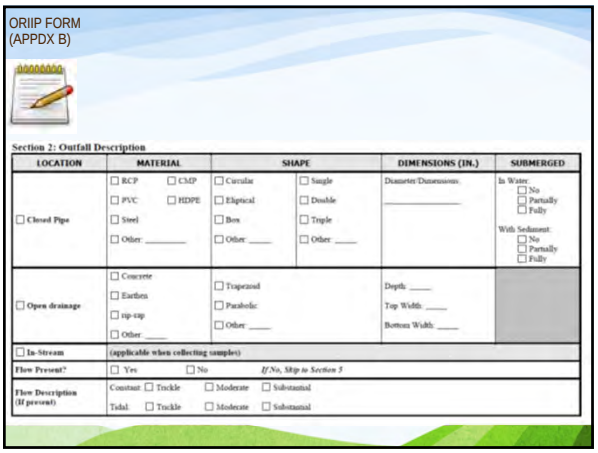


OUTFALL RECONNAISSANCE INVENTORY FORM

Section 1: Background Data

Outfall ID:		Today's date / Time (Military):	
Investigators:			
Temperature (°F):	Rainfall (in.): Last 24 hours: _____	Last 72 hours: _____	
Latitude:	Longitude:	GPS Unit:	GPS Landmark:
Camera:		Photo #s:	
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☐ Commercial Other: _____		Known Industries: _____	

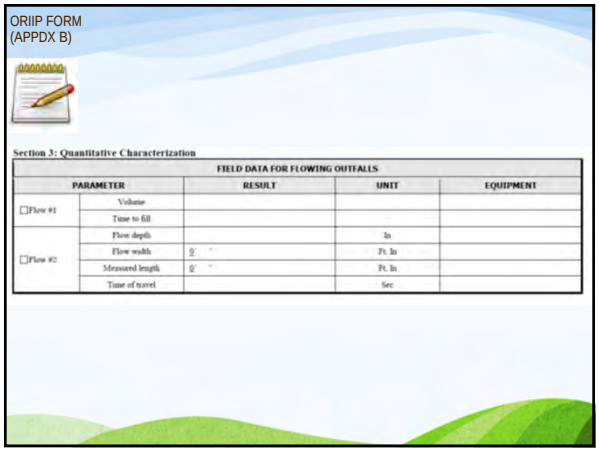
ORIIP FORM
(APPDX B)



Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☐ No	*If No, Skip to Section 5*			
Flow Description (If present)	Constant ☐ Trickle ☐ Moderate ☐ Substantial Tidal ☐ Trickle ☐ Moderate ☐ Substantial				

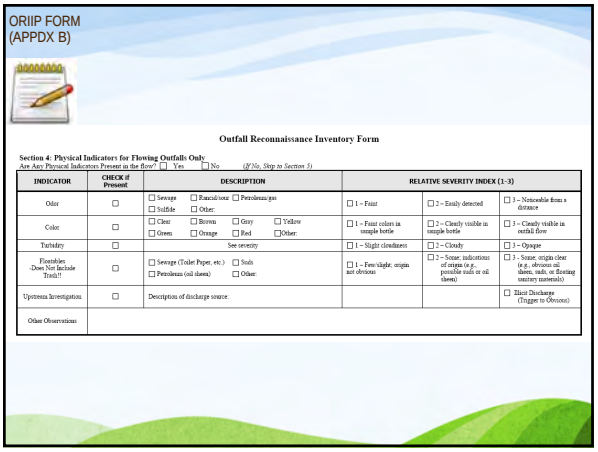
ORIIP FORM
(APPDX B)



Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume			
	Time to fill			
	Flow depth		In	
☐ Flow #2	Flow width	' "	Ft. In	
	Measured length	' "	Ft. In	
	Time of travel		Sec	

ORIIP FORM
(APPDX B)

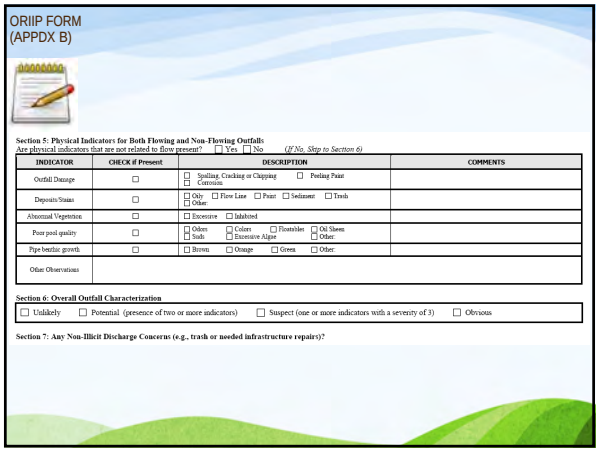


Outfall Reconnaissance Inventory Form

Section 4: Physical Indicators for Flowing Outfalls Only
Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)
Upstream Investigation	☐	Description of discharge source:			☐ Illicit Discharge (Trigger to Obvious)
Other Observations					

ORIIP FORM
(APPDX B)



Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls
Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Sediment ☐ Trash ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Other Observations			

Section 6: Overall Outfall Characterization

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

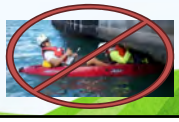
Section 7: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

OUTFALL INSPECTION - DRY WEATHER (3.3)

- Criterion: < 0.1 inches of precipitation during a 72-hour period preceding an inspection
- Conduct annually on outfalls characterized as "potential", "suspect", or "obvious" (determined by the findings from previous year's inspection). Otherwise, biennially.
- Consists of Kayak- and onshore- based inspections
- Observation of flows (3.3.1) and source identification (3.3.2)
  - Drainage Area Investigation
  - Storm Drain Network Investigation
- Documentation to be included in the ACR

MORE ABOUT KAYAK-BASED INSPECTION

- To be conducted during daylight hours and low-tide condition (below 1-foot MLLW).
- Inspection equipment should be inspected prior to field activities.
- Must be supported by an on-shore crew.
- Possible launching locations in Honolulu Harbor include Pier 5, Pier 23 (behind Harbors Police Building), Pier 36, and Sand Island Boat Launch Facility. Must be conducted SAFELY.
- Limited access (Figures 1 and 2).
- Unforeseen climate conditions.



Launching Locations

-Switch to Google Map for live demonstration (P5, P23, P36, and Sand Island Boat Launch Facility)

FLOW CHART – DRY WEATHER (3.3)



OUTFALL INSPECTION – WET WEATHER (3.4)

- Goal: Assess BMP performance.
- Criterion: > 0.1 inches rainfall per hour is recorded, or use weather stations below.
  - Honolulu International Airport (Station ID 91182, PHNL)
  - Kalaeloa Airport (PHJR)
- Conduct annual inspection at identified high-risk outfalls during regular businesses hours FROM THE PIER SIDE.
  - High-risk tenant areas
  - Construction areas
- Weather constraints
- Documentation to be included in the ACR

FLOW CHART – WET WEATHER (3.4)



INSPECTION DOCUMENTATION

- ORIIP FORM (Appendix B)
- Potential pollutants and sources

COMMON DISCHARGES AND POTENTIAL SOURCES	OBSERVED DISCHARGE POTENTIAL CAUSES
Sediment	Construction activity without proper erosion and sediment controls Outdoor work areas or material storage areas
Oil	Fueling operations Vehicle or machinery maintenance activities
Sudsy discharge	Power washing of buildings Vehicle or equipment washing operations Mobile cleaning crew dumping Laundry or Cleaner greywater discharge
Grease	Restaurant sink drain connection to stormwater system
Sewage	Failing or leaking septic systems

ENFORMENT (4.0)

- If identified source is from a tenant site, follow TIM.
- If identified source is from a construction site, follow Construction manual.
- If identified source is a result of in need of drain cleaning, follow Oahu District O&M Plan.
- If identified source is from a site outside of HDOT Harbors jurisdiction, inform the adjoining jurisdiction or property owner in writing and copy HDOH.

TRAINING (5.0) AND HASP (6.0)

- Pre-mobilization meeting (5.0) + On-the-job training (5.1)
- Training Documentation (5.2)
- HASP (Appendix D)



Attachment 7.b

Tenant Inspection Training Completed Questionnaires

2020 HDOT Harbors Tenant Inspector Training Quiz

Name: Jacquelyn Corpus **Date:** 06/29/2020

1. True or False. Tenant inspections are focused on tenant activities conducted on land.
    a. True.
    b. False.

2. Within which of the following time periods is an inspection required for a new tenant?
    a. Three years.
    b. Three weeks.
    c. Three days.
    d. Three months.

3. When should a final inspection be conducted?
    a. After the tenant leaves.
    b. Prior to lease/permit termination.
    c. When they first move in.
    d. None of the above.

4. When is a follow-up inspection required?
    a. When an illicit discharge or violation is observed at tenant facility.
    b. When a tenant has been rude.
    c. Only if an illicit discharge is observed.
    d. None of the above.

5. How often should a high-risk tenant be inspected?
    a. Annually.
    b. Every 5 years.
    c. Every 6 months.
    d. Every 2 years.

6. True or False: A discharge from potable water sources, such as melted ice, is considered an illicit discharge and is not permitted.
    a. True.
    b. False.

7. What is the first step when conducting tenant inspections?
    a. Review available records.
    b. Hold a tenant conference.
    c. Walk around and observe the site.
    d. Complete the inspection form.

8. True or False: SIDR (Suspected Illicit Discharge Reporting) form can be used to document a public complain.
    a. True.
    b. False.

9. Which of the following conditions warrant a written warning?
    a. Improper storage of batteries.
    b. Lack of proper labeling on drums.
    c. Improper waste management.
    d. All of the above.

10. Which of the following is an example of a Class I Violation?
    a. Lack of recordkeeping on spills that occur on-site.
    b. Maintenance has not been conducted on a tenant's wash rack OWS within the past year.
    c. Paint chips from sanding operations that are being washed into the harbor.
    d. Tenant's trash bin appears to be overflowing.

2019 HDOT Harbors ORII Inspector Training Quiz

Name: _____ **Date:** _____

1. What is the purpose of conducting an ORII?
    a. To locate and eliminate illicit discharges.
    b. To look for endangered species under the pier.
    c. To spend some time in the sun.
    d. None of the above.

2. True or False: An illicit discharge is something other than rainwater being discharged through the outfall, excluding allowable discharges listed in the permit.
    a. True.
    b. False.

3. When may a dry weather ORI be conducted?
    a. When the tide is low.
    b. When there is less than 0.1" of rain in the past 72 hours and the tide is low.
    c. When there is less than 0.1" of rain in the past 72 hours regardless of tide.
    d. At any time, annually.

4. What are some conditions that would deem too hazardous for personnel to conduct inspection in the water?
    a. Water levels higher than 1-foot above mean lower low water.
    b. Vessels being actively fueled in the area.
    c. Netting which prevents kayak from easily exiting the under-pier area.
    d. All of the above.

5. True or False: A wet weather ORI requires that outfalls be inspected from the water.
    a. True.
    b. False.

6. True or False: All outfalls must be inspected during dry weather every two years. This inspection may be completed in the water where safe or on land via upstream drains.
    a. True.
    b. False.

7. Which of the following outfalls must be inspected annually?
    a. All outfalls.
    b. Outfalls characterized as obvious.
    c. Outfalls characterized as potential, suspect, or obvious.
    d. Only those near high-risk tenants.

8. What steps are required when a potential illicit discharge is noted?
    a. Inspect the drainage area on land for potential sources using a windshield survey.
    b. Refer to the drain maps and follow the lined-up stream.
    c. A & B.
    d. None of the above.

9. Which of the following areas must be inspected during a wet weather ORI?
    a. All outfalls.
    b. High risk tenants and areas under construction.
    c. Only those outfalls classified as potential, suspect, or obvious.
    d. Medium and high ranked tenants.

10. Which of the following conditions in a flow indicate a potential illicit discharge?
    a. Color and clarity.
    b. Odor.
    c. Sheen.
    d. All of the above.

Attachment 8

Tenant Inventory, Risk Rank, and Inspection Summary

2020 HDOT Harbors Division Tenant Inventory, Risk Ranking, and Inspection Summary

Tenant Business Name	DBA or Other Name	Harbor	Location	2019 Risk Ranking	2020 Risk Ranking	Inspection Date	Inspection Type	Inspection POC	Phone Number
Aala Produce, Inc.	Aala Ship Service	Honolulu	Pier 32	Low	Low	4/17/2020	Annual Recon	Rodney Tamamoto	(808) 522-0550, (808) 478-8732
AES Kalaeloa Venture, LLC	AES Corporation	Kalaeloa	KBPH	Medium	Medium	11/6/2020	Regular	Priya Kumar	(808) 282-8807, (808) 682-3409
Aircraft Service International Group / Hawaii Fueling Facilities Corporation	ASIG/HFFC	Honolulu	Pier 51 A&B	Low	Low	5/27/2020	Annual Recon	Glenn Jinbo	(808) 833-3291 x29
Alaska Marine lines	Aloha Cargo Transport, Inc. ACT, Northland	Honolulu	Pier 29	Low	Low	4/17/2020	Annual Recon	Jonathan Satre	(808) 748-8790; (206) 436-9687
						7/8/2020	Final		
		KBPH	Pier 5	Low	Low	9/23/2020	New		
Aloha Tower Marketplace	AHI Aloha Associates, LLC; PM Realty Group, Aloha Tower Development Corporation (ATDC)	Honolulu	Pier 9	Low	Low	6/5/2020	Annual Recon	Steve Hanneman	(808) 528-5700
American Guard Services, Inc.		Honolulu	Piers 2/11	Low	Low	5/27/2020	Annual Recon	Shun Almon	(808) 537-3201, (808) 271-8169
American Marine Corporation	American Workboats, Inc.	Honolulu	Pier 14	Medium	Medium	12/9/2020	Regular	DC Carter	(808) 425-3859, (808) 792-1181, (808) 479-3905
		KIPA	Open Lot	Low	Low	5/27/2020	Annual Recon	David W. Griffith	(808) 479-8507
						10/8/2020	Final		
Atlantis Submarines Hawaii, LLC	Atlantis Cruises and Atlantis Submarines	Honolulu	Pier 27	Low	Low	5/13/2020	Annual Recon	Kenneth Bingham; Kekua "Kua" Keli'i	808-832-6606, 808-386-0123
			Pier 6	Low	Low	5/13/2020	Annual Recon		
BEI Hawaii		Honolulu	Pier 32	Low	Low	5/13/2020	Annual Recon	Joseph Bieniek	(808) 864-2615; (808) 532-7448; (808) 535-6025;
CCH, Dept of Customer Services		Honolulu	KIPA	Medium	Medium	9/22/2020	Regular	Randy Leong	(808) 768-3391
Foss Maritime Company	Moana Pa'a Kai, Inc.; Subsiduary of Young Brothers	Honolulu	Piers 20, 21, and 22	Medium	Medium	11/23/2020	Regular	Tiffanie Whitworth; Megan Rycraft	(206) 276-1898; (808) 937-9379

2020 HDOT Harbors Division Tenant Inventory, Risk Ranking, and Inspection Summary

Tenant Business Name	DBA or Other Name	Harbor	Location	2019 Risk Ranking	2020 Risk Ranking	Inspection Date	Inspection Type	Inspection POC	Phone Number
Frank P. White Jr. Properties	Container Storage Co.	Honolulu	KIPA	Low	Low	4/14/2020	Annual Recon	Frank White; Gail Thometz	(808) 841-5555
Fresh Island Fish, LLC		Honolulu	Pier 38	Low	Low	4/17/2020	Annual Recon	Derek Higa	(808) 831-4911
Friends of Hokule'a & Hawai'iloa		Honolulu	KIPA	Low	Low	4/13/2020	Annual Recon	Jay Dowsett	(808) 256-1841
Fukunaga, Paul N.	P.F. Marine	Honolulu	KIPA	Low		4/13/2020	Final	Paul N Fukunaga	(808) 842-1330, (808) 220-9425
GLP Asphalt, LLC	Asphalt Hawaii	Kalaeloa	KBPH	Medium	Medium	10/26/2020	Regular	Todd Miyahara	(808) 479-5670
Grace Pacific LLC	GP Kalaeloa HMA Plant	Kalaeloa	KBPH	Medium	High	12/18/2020	Regular	Jodie Cardero	(808) 674-8383, (808) 561-3368
Hawaii Stevedores, Inc.		Honolulu	Pier 1	Medium	Medium	10/14/2020	Regular	Frank Roznerski	(808) 842-5389, (808) 864-4638; (808) 527-3415
		Honolulu	Pier 51	Medium	Medium	10/14/2020	Regular		
Hawaiian Cement		Kalaeloa	Pier 7	Medium	Medium	11/4/2020	Regular	Dane Wurlitzer	(808) 532-3407, (808) 330-3910
HC&D	Ameron Hawaii; Ameron International Corporation	Honolulu	KIPA	Low	Low	4/13/2020	Annual Recon	Linda Goldstein; June Ching	(808) 266-2672
Healy Tibbitts Builders, Inc.		Kalaeloa	KBPH	Low	Low	5/27/2020	Annual Recon	Glen Toyama	(808) 368-1581
Heumann, James	Wind & Sea Charters	Honolulu	Pier 34	Low	Low	4/17/2020	Annual Recon	James M. Heumann	(808) 220-7675
Honolulu Marathon Association		Honolulu	Pier 2	Low	Low	5/27/2020	Annual Recon	Ronald Chun; Jeanette Chun; Valerie Lawson	(808) 255-2602; (808) 946-0539; (808) 255-2600
						7/1/2020	Final		
HPBS, Inc.		Honolulu	Pier 19	Low	Low	4/17/2020	Annual Recon	Fay Leong; Blare; Captain David Lyman; Captain Steven Baker	(808) 532-7233
ISS Marine Services, Inc.	Inchcape Shipping	Honolulu	Pier 1	Low	Low	5/27/2020	Annual Recon	Ali Wong	(808) 521-2111 ext. 18
Jas W. Glover, Ltd.		Honolulu	KIPA	Low	Low	4/13/2020	Annual Recon	Kyle Hirano	(808) 591-8977 ext. 321
Jems Enterprises, LLC	Hawaiian Ice Company	Honolulu	Pier 38	Low	Low	4/13/2020	Annual Recon	Joshua Ibrao	(808) 538-6918 (808) 255-2921
JFC International	Japan Food (Hawaii), Inc.; Davenport Hawaii Partners, LP	Honolulu	Pier 34	Low	Low	4/17/2020	Annual Recon	Toshiaki Wada	(808) 537-9528

2020 HDOT Harbors Division Tenant Inventory, Risk Ranking, and Inspection Summary

Tenant Business Name	DBA or Other Name	Harbor	Location	2019 Risk Ranking	2020 Risk Ranking	Inspection Date	Inspection Type	Inspection POC	Phone Number
Kagami, Inc.		Honolulu	Pier 21	Low		3/5/2020	Final	Wayne Kagami	(808) 523-5700, (808) 330-3379
Kirby Offshore Marine	(Formerly Uaukewai Diving, Salvage & Fishing, Inc.) Formerly known as K-Sea Transportation Hawaii Division	Honolulu	Pier 21	Medium	Medium	11/25/2020	Regular	James Pontin; Bill Boland	(808) 462-4222, (808) 208-1089; (808) 522-1000 ext.108
Lansdown, Ian J.	Hawaii's Sailing Center; Ian J. Lansdown	Honolulu	KIPA	Medium		9/1/2020	Final	Jeff Lansdown	(808) 230-0940
Marisco, Ltd.		Kalaeloa	KBPH	High	High	6/18/2020	Regular	Stephen Hinton	(808) 306-5935, (808) 682-1333
						11/4/2020	Regular		
Mary Charles and Associates Inc		Honolulu	Pier 10	Low	Low	5/27/2020	Annual Recon	Curtis Chee	(808) 589-5500
Matson Navigation Company, Inc.	Matson Terminals, Inc.	Honolulu	Pier 52	High	High	6/30/2020	Regular	Keahi Birch	(808) 848-1252; (808) 848-1280; (808) 848-8306
						12/9/2020	Regular		
						12/18/2020	Follow Up		
McCabe, Hamilton & Renny		Honolulu	Piers 20 & 23	Medium	Medium	10/14/2020	Regular	Andrew Souza	(808) 479-0356
		Honolulu	Piers 29	Medium		8/3/2020	Final		
		Kalaeloa	Pier 5	Low	Low	6/23/2020	Regular		
Nanakuli Neighborhood Housing Services, Inc.	Nanakuli Housing Corporation Baseyard Hawaii	Honolulu	KIPA	Low		4/23/2020	Final	Wilbert Barber; Paige Barber	(808) 842-0770
National Response Corporation		KBPH	Pier 4	Medium	Low	9/15/2020	Regular	Gabe	
Oceantronics, Inc.		Honolulu	Pier 24	Low	Low	4/17/2020	Annual Recon	Fritz M. Amtsberg; Brian; Daniel	(808) 522-5600; (808) 832-5590, (808) 216-0256
Oceanic Kaimamala Corp.	Oceanic Libra Corporation; formerly known as Ohai, Leo A.	Honolulu	Pier 18	Low	Medium	5/13/2020	Annual Recon	Nephi Ohai; Louloukau	(808) 690-4030
						6/17/2020	Regular		
P&R Water Taxi, Ltd.		Honolulu	Pier 36	Medium	Medium	11/19/2020	Regular	Ralph Dewitt	808) 554-3436
Pacific Environmental Corporation	PENCO	Honolulu	Pier 33	Medium	Medium	11/19/2020	Regular	Shanyn Kauihou	(808) 545-5195, (808) 295-6016
		Honolulu	Pier 14	Low	Low	5/27/2020	Annual Recon		
		Kalaeloa	Pier 4						

2020 HDOT Harbors Division Tenant Inventory, Risk Ranking, and Inspection Summary

Tenant Business Name	DBA or Other Name	Harbor	Location	2019 Risk Ranking	2020 Risk Ranking	Inspection Date	Inspection Type	Inspection POC	Phone Number
Pacific Ocean Producers, Inc.	(Nico's) POP Fishing & Marine, LLC	Honolulu	Pier 38	Low	Low	4/13/2020	Annual Recon	Neil Kanemoto	(808) 537-2905, (808) 540-1310, (808) 479-0002
Pacific Shipyards International, LLC	Pacific Marine and Supply, Navatek, Unitek Contracting Group, Honolulu Shipyard	Honolulu	Pier 24/25	High	Medium	6/17/2020	Regular	Rick Guerrero; Nicole Tengan; Michael Buelsing	(808) 848-6211 ext. 274; (808) 784-2374; (808) 784-2365; (808) 226-7720
						11/19/2020	Regular		
Pang, Sandra	SP Lunch Wagon; Sandy's Lunchwagon	Honolulu	Pier 51	Low	Low	5/20/2020	Annual Recon	Sandra Pang	(808) 778-4686
Paradise Cruise, LTD	Star of Honolulu	Honolulu	Pier 8	Low	Low	5/13/2020	Annual Recon	Richard A. Davison	
Petrospect, Inc.		Honolulu	Pier 21	Low	Low	5/12/2020	Annual Recon	Chad Miller, David Harrington	(808) 536-6626
Pioneer Machinery, Inc.		Honolulu	KIPA	Low	Low	4/13/2020	Annual Recon	Rodney Yee	(808) 371-4892
Pryne, Ty	H.B.N. Yacht Rigging	Honolulu	Pier 20	Low		3/5/2020	Final	Ty Pryne	(808) 479-8844, (808) 597-8120
Sause Bros., Inc.	Staging Yard	Kalaeloa	Pier 4	Medium		6/1/2020	Final	Reid Tamashiro (Thomas Transport Service)	(808) 721-1667
	Shed and one Portable Office	Kalaeloa	Pier 5	Low	Low	5/27/2020	Annual Recon	Mike Leslie	(808) 690-3412 (808) 682-1082
						5/29/2020	Final		
	Canopy and Office	Honolulu	Piers 24 & 27	Low	Low	4/17/2020	Annual Recon	Nicholas Leik	(808)306-2177, (808) 521-5082; (808) 434-1057
Sea Engineering, Inc.		Honolulu	Pier 32	Medium	Medium	12/7/2020	Regular	Andrew Rocheleau	(808) 561-2629, (808) 792-9859
Siu, Wai Lun	Pier 21 Lunchroom	Honolulu	Pier 21	Low	Low	5/12/2020	Annual Recon	Raymond Siu	(808) 256-2907
State of Hawaii Department of the Attorney General/Criminal Justice	Attorney General-Asset Forfeiture	Honolulu	Pier 20	Low	Low	5/12/2020	Annual Recon	Kern Nishioka; Steven Davis	(808) 586-1383

2020 HDOT Harbors Division Tenant Inventory, Risk Ranking, and Inspection Summary

Tenant Business Name	DBA or Other Name	Harbor	Location	2019 Risk Ranking	2020 Risk Ranking	Inspection Date	Inspection Type	Inspection POC	Phone Number
The Gas Company, LLC		Honolulu	Pier 38	Medium	Medium	12/3/2020	Regular	Zoe Williams; AK Colburn	(808) 535-5933, (808) 594-5637, (808) 594-5569 (808) 594-5548, (808) 351-9720
The Pasha Group	Pasha hawaii	Honolulu	Pier 2	Low	Low	5/27/2020	Annual Recon	Darren Lee	(808) 590-3617
The Webe Corporation, Ltd.	Ali'I Kai Catamaran (Subsidiary of Robert's Hawaii)	Honolulu	Pier 5	Low	Low	5/13/2020	Annual Recon	Bernie, Jason Young, Chad	(808) 539-9491 (808) 631-8671 (808) 636-5839
TOELL USA Corp.		Honolulu	Pier 23	Low	Low	5/20/2020	Annual Recon	Randy Iijima	(808) 492-9013
Trouble Free Corp.		Kalaeloa	KBPH	Low	Low	5/20/2020	Regular	Chris Boyles	(808) 864-8864
U.S. Bureau of Customs and Border Protection, Department of Homeland Security		Honolulu	Pier 1	Low	Low	5/27/2020	Annual Recon	Gose; Peter F. Gonzales	(808) 522-8001 ext. 223; (808) 356-4175
United Fishing Agency, Ltd.		Honolulu	Pier 38	Low	Low	4/13/2020	Annual Recon	Daniel Otani; Nelson Otani	(808) 536-2148
University of Hawaii		Honolulu	Pier 35	Medium	Medium	10/21/2020	Regular	Ross Barnes	(808) 864-0122
VAK Fisheries, LLC		Honolulu	Pier 19	Low	Low	4/17/2020	Annual Recon	Kim Lu	(808) 258-2990
Welch, Jr., Darrell, G., AIA	Aloha Tower, 4th Floor	Honolulu	Pier 9	Low	Low	6/5/2020	Annual Recon	Darrell G. Welch Jr., AIA; Cookie LeMadrid	(808) 585-8522
Young Brothers, Ltd.		Honolulu	Piers 39 and 40	High	High	7/8/2020	Regular	Tiffanie Whitworth	(808) 543-9311; (808) 543-9357
						11/30/2020	Regular		

No risk ranking since it is a final inspection.

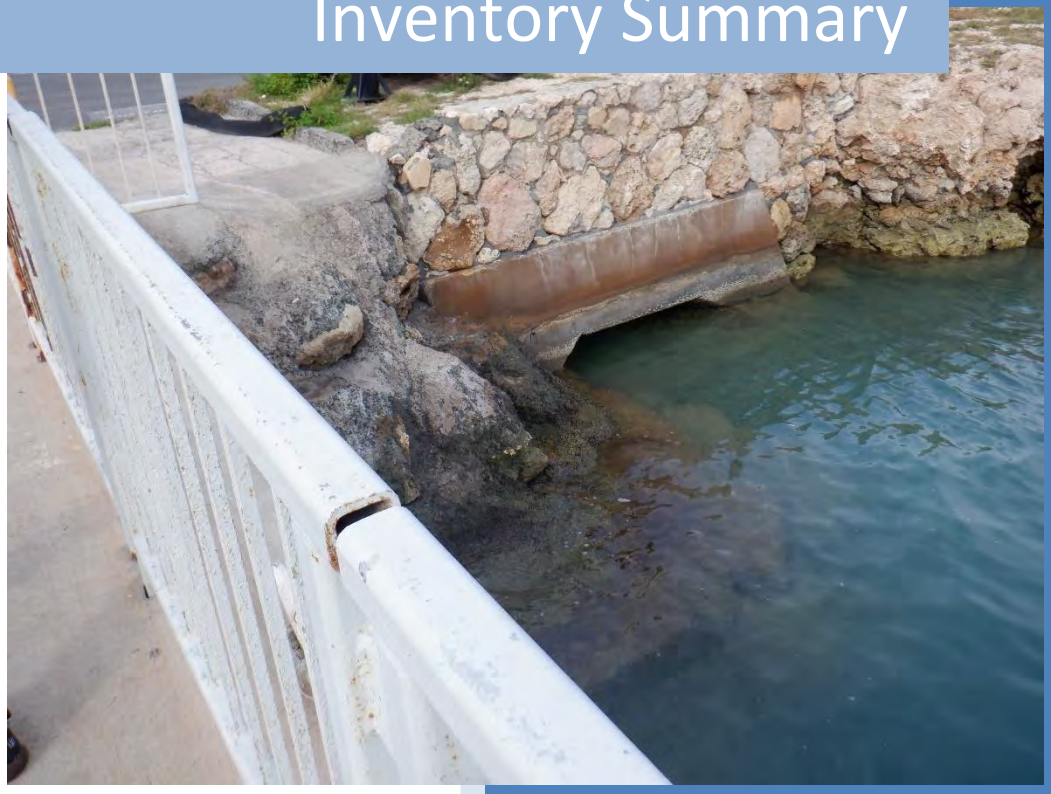
Attachment 9

Outfall Reconnaissance Inventory

PROTECT
OUR HARBOR WATERS

Mālama I Ke Awa Kai
Department of Transportation, Harbors Division

Dry-Weather Outfall Reconnaissance Inventory Summary



Prepared by:

ENVIROSERVICES & TRAINING CENTER, LLC
505 Ward Avenue, Suite 202
Honolulu, Hawaii 96814
tel: (808) 839-7222

ETC Project No. 20-6002

June 2020

2020 Dry Weather Outfall Reconnaissance Inventory Summary
Honolulu Harbor, Keehi Industrial Park Area and Kalaeloa Barbers Point Harbor

Dry weather outfall reconnaissance inventory (ORI) inspections were conducted at Honolulu Harbor, Keehi Industrial Park Area (KIPA), and Kalaeloa Barbers Point Harbor (KBPH) by EnviroServices and Training Center, LLC (ETC) with the assistance of Harbors Environmental Section (HAR-EE) from March 11 to May 5, 2020. Near the ending of March, in response to COVID-19 pandemic and to reduce the spread of the virus, social distancing strategies were implemented. Thus, inspections from the waterside were deemed unsafe and therefore restricted following the March 11, 2020 water-side inspections. To accomplish this task in a safe manner, HAR-EE and ETC decided to finish the remaining inspections from the land-side by screening the most accessible up-stream inlets and manholes connected to the outfalls. Maps generated from CityWorks® and information from a previous outfall reconnaissance were utilized to prepare for and assist with the inspections, which were conducted according to the Consent Decree 16.c.1 and the Outfall Reconnaissance Inventory & Inspection Program.

The result of each inspection was entered into CityWorks®, together with information associated with each outfall's characterization, presence of any suspected illicit discharge, and relevant photo documentation.

During this inspection, a total of 145 of 151 outfalls were inspected. One previously listed outfall had been removed from Cityworks, based on previous rounds of reconnaissance and verification. A moderate flow was observed at several outfalls indicated in the comments below. However, the flows appeared to be tidally influenced and consisted of clear water and no other abnormal odor or color were observed. Paint chips were found in the upstream drain at Pier 1 of Honolulu Harbor. Sediment and grit were observed at the several trench drains located at KBPH. However, trench drains are covered during operations and routinely cleaned following loading operations. Therefore, all 144 outfalls were characterized as Unlikely. An inspection summary of each outfall is listed in Table 1.

During this inspection, a total of seven outfalls were missing and or inaccessible. The missing and inaccessible outfalls include SDDHO427060, SDDHO518090, SDDHO020600, SDDHO020700, SDDHO416990, SDDHO427060, and SDDHO538910. Inspectors used CityWorks® map to pinpoint the location of where an outfall may be and triangulate the position using landmarks from the map. After inspectors conducted a search at the assumed position with a search radius that stretched to the nearest adjacent outfall or until a reasonable distance without finding evidence of an outfall, inspectors determined this outfall missing and/or removed. The missing outfall SDDHO427060 is in the area under construction. Inaccessible outfalls were either unobservable from landside, covered by fabric filter due to ongoing tenant construction activities, or sealed within Pier 2 Terminal. Inspectors concluded that the inspection on these outfalls threatened the safety of all personnel involved and skipped these outfalls.

Table 1: Dry Weather Outfall Inspection Summary								
Photo #	**Location**	**Pier**	**Outfall SDD**	**Date (2020)**	**Method of Inspection**	**Illicit Discharge?**	**Comment**	**Characterization**
1	Honolulu Harbor	01	SDDHO010100	4/21	Outfall	No		Unlikely
2	Honolulu Harbor	01	SDDHO010102	4/21	Inlet	No	Tidal influence.	Unlikely
3	Honolulu Harbor	01	SDDHO010104	4/21	Inlet	No	Tidal influence.	Unlikely
4	Honolulu Harbor	01	SDDHO010106	4/21	Inlet	No	Tidal influence.	Unlikely
5	Honolulu Harbor	01	SDDHO010108	4/21	Inlet	No	Paint chips from HSI were observed within drain. No flow observed.	Unlikely
6	Honolulu Harbor	01	SDDHO010109	4/21	Inlet	No	Inaccessible. Blocked by parked car.	Unlikely
7	Honolulu Harbor	01	SDDHO010110	4/21	Inlet	No		Unlikely
8	Honolulu Harbor	02	SDDHO020500	4/21	Inlet	No		Unlikely
9	Honolulu Harbor	02	SDDHO020600	N/A	N/A	N/A	Within Foreign Trade Zone Building, not accessible, drain has been sealed by welding. All indoors, minimal risk. Recommend removing this one from inspection list.	N/A
10	Honolulu Harbor	02	SDDHO020630	5/5	Manhole	No	Tidal influence. Trash observed within manhole.	Unlikely
11	Honolulu Harbor	02	SDDHO020700	N/A	N/A	N/A	Within Foreign Trade Zone Building, not accessible, drain has been sealed by welding. All indoors, minimal risk. Recommend removing this one from inspection list.	N/A
12	Honolulu Harbor	02	SDDHO020720	6/17	Manhole	No	Tidal Influence.	Unlikely
13	Honolulu Harbor	02	SDDHO020800	5/5	Manhole	No	Tidal influence.	Unlikely
14	Honolulu Harbor	04	SDDHO047662	3/11	Outfall	No	Tidal influence.	Unlikely
15	Honolulu Harbor	05	SDDHO051000	3/11	Outfall	No		Unlikely
16	Honolulu Harbor	05	SDDHO051010	3/11	Outfall	No		Unlikely
17	Honolulu Harbor	05	SDDHO051040	3/11	Outfall	No		Unlikely
18	Honolulu Harbor	06	SDDHO061160	3/11	Outfall	No	Tidal influence.	Unlikely

19	Honolulu Harbor	06	SDDHO067622	3/11	Outfall	No	Tidal influence.	Unlikely
20	Honolulu Harbor	06	SDDHO067624	3/11	Outfall	No		Unlikely
21	Honolulu Harbor	07	SDDHO074474	3/11	Outfall	No		Unlikely
22	Honolulu Harbor	08	SDDHO081230	3/11	Outfall	No	Fully submerged.	Unlikely
23	Honolulu Harbor	08	SDDHO081235	3/11	Outfall	No		Unlikely
24	Honolulu Harbor	08	SDDHO081500	3/11	Outfall	No	Tidal influence.	Unlikely
25	Honolulu Harbor	08	SDDHO081512	3/11	Outfall	No		Unlikely
26	Honolulu Harbor	09	SDDHO091570	3/11	Outfall	No	Tidal influence.	Unlikely
27	Honolulu Harbor	09	SDDHO091600	3/11	Outfall	No	Tidal influence.	Unlikely
28	Honolulu Harbor	11	SDDHO111730	3/11	Outfall	No	Tidal influence.	Unlikely
29	Honolulu Harbor	11	SDDHO111732	3/11	Outfall	No	Tidal influence.	Unlikely
30	Honolulu Harbor	11	SDDHO111734	3/11	Outfall	No		Unlikely
31	Honolulu Harbor	11	SDDHO111736	3/11	Outfall	No		Unlikely
32	Honolulu Harbor	11	SDDHO111738	3/11	Outfall	No		Unlikely
33	Honolulu Harbor	11	SDDHO111740	3/11	Outfall	No		Unlikely
34	Honolulu Harbor	11	SDDHO111742	3/11	Outfall	No		Unlikely
35	Honolulu Harbor	15	SDDHO152200	3/11	Outfall	No	Tidal influence.	Unlikely
36	Honolulu Harbor	18	SDDHO182300	3/11	Outfall	No	Tidal influence.	Unlikely
37	Honolulu Harbor	19	SDDHO192400	3/11	Outfall	No		Unlikely
38	Honolulu Harbor	19	SDDHO192480	3/11	Outfall	No		Unlikely
39	Honolulu Harbor	20	SDDHO202482	3/11	Outfall	No		Unlikely

40	Honolulu Harbor	21	SDDHO212600	3/11	Inlet	No		Unlikely
41	Honolulu Harbor	21	SDDHO212610	3/11	Inlet	No		Unlikely
42	Honolulu Harbor	21	SDDHO212640	3/11	Inlet	No		Unlikely
43	Honolulu Harbor	21	SDDHO212790	3/11	Outfall	No	Skipped, inspectors noticed it was closed. Recommend removing this one from Cityworks and inspection list.	Unlikely
44	Honolulu Harbor	21	SDDHO212794	3/11	Outfall	No		Unlikely
45	Honolulu Harbor	21	SDDHO212798	3/11	Outfall	No		Unlikely
46	Honolulu Harbor	22	SDDHO222800	3/11	Outfall	No		Unlikely
47	Honolulu Harbor	23	SDDHO233000	3/11	Outfall	No		Unlikely
48	Honolulu Harbor	24	SDDHO243070	3/11	Outfall	No		Unlikely
49	Honolulu Harbor	24	SDDHO243200	3/11	Outfall	No		Unlikely
50	Honolulu Harbor	24	SDDHO243240	3/11	Outfall	No		Unlikely
51	Honolulu Harbor	24	SDDHO243242	3/11	Outfall	No		Unlikely
52	Honolulu Harbor	24	SDDHO243244	3/11	Outfall	No		Unlikely
53	Honolulu Harbor	25	SDDHO253550	3/11	Outfall	No		Unlikely
54	Honolulu Harbor	26	SDDHO263610	3/11	Outfall	No		Unlikely
55	Honolulu Harbor	26	SDDHO263612	5/27	Inlet	No	Within Pacific Shipyard International facility. Drain appears to be clogged and does not drain well. Area is prone to flooding	Unlikely
56	Honolulu Harbor	27	SDDHO273630	3/11	Outfall	No	Tidal influence.	Unlikely
57	Honolulu Harbor	29	SDDHO293650	3/11	Outfall	No		Unlikely
58	Honolulu Harbor	29	SDDHO293670	3/11	Outfall	No		Unlikely
59	Honolulu Harbor	31	SDDHO313900	3/11	Outfall	No		Unlikely
60	Honolulu Harbor	31	SDDHO313920	3/11	Outfall	No		Unlikely

61	Honolulu Harbor	31	SDDHO313950	3/11	Outfall	No		Unlikely
62	Honolulu Harbor	31	SDDHO314000	3/11	Outfall	No		Unlikely
63	Honolulu Harbor	31	SDDHO314010	3/11	Outfall	No		Unlikely
64	Honolulu Harbor	31	SDDHO314150	3/11	Outfall	No		Unlikely
65	Honolulu Harbor	32	SDDHO324180	3/11	Outfall	No		Unlikely
66	Honolulu Harbor	32	SDDHO324200	3/11	Outfall	No		Unlikely
67	Honolulu Harbor	34	SDDHO344300	3/11	Outfall	No		Unlikely
68	Honolulu Harbor	34	SDDHO344310	3/11	Outfall	No		Unlikely
69	Honolulu Harbor	34	SDDHO344320	3/11	Inlet	No		Unlikely
70	Honolulu Harbor	34	SDDHO344350	3/11	Outfall	No		Unlikely
71	Honolulu Harbor	34	SDDHO344360	3/11	Outfall	No		Unlikely
72	Honolulu Harbor	35	SDDHO354450	3/11	Outfall	No		Unlikely
73	Honolulu Harbor	35	SDDHO354460	3/11	Outfall	No		Unlikely
74	Honolulu Harbor	35	SDDHO354470	3/11	Outfall	No		Unlikely
75	Honolulu Harbor	35	SDDHO354472	3/11	Outfall	No	Tidal influence.	Unlikely
76	Honolulu Harbor	35	SDDHO354474	3/11	Outfall	No		Unlikely
77	Honolulu Harbor	36	SDDHO364500	3/11	Outfall	No	Tidal influence.	Unlikely
78	Honolulu Harbor	36	SDDHO364600	3/11	Outfall	No		Unlikely
79	Honolulu Harbor	37	SDDHO374700	3/11	Outfall	No		Unlikely
80	Honolulu Harbor	37	SDDHO374900	3/11	Outfall	No		Unlikely
81	Honolulu Harbor	37	SDDHO375000	3/11	Outfall	No	Tidal influence.	Unlikely

82	Honolulu Harbor	38	SDDHO385050	3/11	Outfall	No		Unlikely
83	Honolulu Harbor	38	SDDHO385100	3/11	Outfall	No		Unlikely
84	Honolulu Harbor	38	SDDHO385150	3/11	Outfall	No	Heavily vegetated.	Unlikely
85	Honolulu Harbor	39	SDDHO395745	3/29	Inlet	No		Unlikely
86	Honolulu Harbor	40	SDDHO405800	3/31	Inlet	No		Unlikely
87	Honolulu Harbor	41	SDDHO416500	5/27	Outfall	No	Tidal influence.	Unlikely
88	Honolulu Harbor	41	SDDHO416970	5/27	Outfall	No	Tidal influence.	Unlikely
89	Honolulu Harbor	41	SDDHO416980	5/27	Inlet	No		Unlikely
90	Honolulu Harbor	41	SDDHO416990	5/27	N/A	N/A	KCT outfall cannot be found, likely removed.	N/A
91	Honolulu Harbor	41	SDDHO417662	5/27	Inlet	No	Within a construction site. Fitted with filter fabric and bermed around with biosocks.	Unlikely
92	Honolulu Harbor	41	SDDHO417664	5/27	Inlet	No	Within a construction site. Fitted with filter fabric and bermed around with biosocks.	Unlikely
93	Honolulu Harbor	42	SDDHO427030	5/27	Outfall	No		Unlikely
94	Honolulu Harbor	42	SDDHO427060	5/27	N/A	N/A	KCT outfall cannot be found, likely removed.	N/A
95	Honolulu Harbor	42	SDDHO427560	5/27	Inlet	No	Within a construction site. Contained filter fabric and bermed with biosocks.	Unlikely
96	Honolulu Harbor	42	SDDHO427580	5/27	Inlet	No	Within a construction site. Fitted with filter fabric and bermed around with biosocks.	Unlikely
97	Honolulu Harbor	42	SDDHO427600	5/27	Outfall	No		Unlikely
98	Honolulu Harbor	51	SDDHO517800	4/28	Outfall	No		Unlikely
99	Honolulu Harbor	51	SDDHO517850	4/28	Inlet	No	Tidal influence.	Unlikely
100	Honolulu Harbor	51	SDDHO517880	4/28	Inlet	No	Tidal influence.	Unlikely
101	Honolulu Harbor	51	SDDHO517960	4/28	Inlet	No		Unlikely
102	Honolulu Harbor	51	SDDHO518000	4/28	Inlet	No		Unlikely
103	Honolulu Harbor	51	SDDHO518070	4/28	Inlet	No		Unlikely

104	Honolulu Harbor	51	SDDHO518080	4/28	Inlet	No	Tidal influence.	Unlikely
105	Honolulu Harbor	51	SDDHO518090	5/27	N/A	N/A	Inspectors cannot identify outfall from the landside.	N/A
106	Honolulu Harbor	51	SDDHO518130	4/28	Manhole	No		Unlikely
107	Honolulu Harbor	51	SDDHO518182	4/28	Inlet	No		Unlikely
108	Honolulu Harbor	51	SDDHO518190	4/28	Inlet	No		Unlikely
109	Honolulu Harbor	51	SDDHO518194	4/28	Inlet	No		Unlikely
110	Honolulu Harbor	51	SDDHO518198	4/28	Inlet	No		Unlikely
111	Honolulu Harbor	51	SDDHO518206	4/28	Inlet	No		Unlikely
112	Honolulu Harbor	51	SDDHO518350	4/28	Inlet	No		Unlikely
113	Honolulu Harbor	51	SDDHO518380	4/28	Inlet	No	Inlet was observed within overgrowth that surrounded site. Inspectors were unable to get a photo.	Unlikely
114	Honolulu Harbor	52	SDDHO528210	4/28	Inlet	No		Unlikely
115	Honolulu Harbor	52	SDDHO528500	4/28	Inlet	No	Trash and sediment observed under Harbors Storm Drain O&M program and will be cleaned.	Unlikely
116	Honolulu Harbor	52	SDDHO528542	4/28	Inlet	No	Trash and debris observed under Harbors Storm Drain O&M program and will be cleaned.	Unlikely
117	Honolulu Harbor	52	SDDHO528556	4/28	Inlet	No	Trash and sediment observed under Harbors Storm Drain O&M program and will be cleaned.	Unlikely
118	Honolulu Harbor	53	SDDHO538560	4/28	Inlet	No		Unlikely
119	Honolulu Harbor	53	SDDHO538850	4/28	Manhole	No	Tidal influence.	Unlikely
121	Honolulu Harbor	53	SDDHO538900	4/28	Inlet	No	Due to construction operations, BMPs were placed within trench drain to prevent illicit discharges. Therefore, the trench was inaccessible at the time of inspection.	Unlikely
122	Honolulu Harbor	53	SDDHO538910		Outfall	No	Not on Cityworks. Within ongoing tenant construction site. Inspectors were unable to find inlet.	N/A
123	Honolulu Harbor	53	SDDHO538930	4/28	Outfall	No	Due to construction operations, BMPs were placed within trench drain to prevent illicit discharges. Therefore, the trench was inaccessible at the time of inspection.	Unlikely
124	KIPA	60	SDDOH607605	3/12	Outfall	No		Unlikely
125	KIPA	60	SDDOH607610	3/12	Outfall	No	Abandoned item on the landside.	Unlikely
126	KIPA	60	SDDOH607615	3/12	Outfall	No	Heavily vegetated.	Unlikely

127	KIPA	60	SDDOH607620	3/12	Outfall	No	Heavily vegetated.	Unlikely
128	KIPA	60	SDDOH607625	4/28	Outfall	No	Heavily vegetated.	Unlikely
129	KBPH	04	SDDBP043630	3/31	Outfall	No		Unlikely
130	KBPH	04	SDDBP043660	3/31	Outfall	No		Unlikely
131	KBPH	05	SDDBP055000	3/31	Inlet	No	Sediment and grit observed inside trench drain. Trench drains are cleaned following loading operations.	Unlikely
132	KBPH	05	SDDBP055100	3/31	Manhole	No		Unlikely
133	KBPH	05	SDDBP055200	3/31	Inlet	No		Unlikely
134	KBPH	05	SDDBP055300	3/31	Inlet	No	Sediment and grit observed inside trench drain. Note, active loading operations were observed at the time of inspection. Trench drains are cleaned following loading operations.	Unlikely
135	KBPH	05	SDDBP055400	3/31	Manhole	No		Unlikely
136	KBPH	05	SDDBP055500	3/31	Inlet	No	Sediment and grit observed inside trench drain. Note, active loading operations were observed at the time of inspection. Trench drains are cleaned following loading operations.	Unlikely
137	KBPH	05	SDDBP055700	3/31	Inlet	No	Sediment and grit observed inside trench drain. Note, active loading operations were observed at the time of inspection. Trench drains are cleaned following loading operations.	Unlikely
138	KBPH	05	SDDBP055800	3/31	Manhole	No	Tidal influence.	Unlikely
139	KBPH	05	SDDBP055900	3/31	Inlet	No	Sediment and grit observed inside trench drain. Note, active loading operations were observed at the time of inspection. Trench drains are cleaned following loading operations.	Unlikely
140	KBPH	06	SDDBP066200	3/31	Inlet	No	Inaccessible. Covered by rubber mat. No active flow observed on land-side.	Unlikely
141	KBPH	06	SDDBP066210	5/5	Manhole	No		Unlikely
142	KBPH	06	SDDBP066500	5/5	Inlet	No		Unlikely
143	KBPH	06	SDDBP066700	3/31	Manhole	No	Tidal influence.	Unlikely
144	KBPH	06	SDDBP066800	5/5	Inlet	No	Sediment and grit observed inside trench drain. Note, active loading operations were observed at the time of inspection. Trench drains are cleaned following loading operations.	Unlikely
145	KBPH	07	SDDBP077000	3/31	Inlet	No	Sediment and grit observed inside trench drain. Note, active loading operations were observed at the time of inspection. Trench drains are cleaned following loading operations.	Unlikely
146	KBPH	07	SDDBP077100	6/18	Inlet	No	Tidal Influence	Unlikely
147	KBPH	07	SDDBP077110	3/31	Inlet	No		Unlikely
148	KBPH	07	SDDBP077112	3/31	Outfall	No		Unlikely
149	KBPH	07	SDDBP077200	3/31	Inlet	No		Unlikely
150	KBPH	07	SDDBP077300	3/31	Inlet	No		Unlikely
151	KBPH	07	SDDBP077400	3/31	Inlet	No		Unlikely

152	KBPH	07	SDDBP077600	3/31	Inlet	No		Unlikely
153	KBPH	07	SDDBP077700	3/31	Outfall	No	Unable to locate due to active loading operations during the time of inspection.	Unlikely

Inspection 13276

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO01, Pier 1 **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 8:48:15AM
Insp. Date: 4/21/2020 11:54:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 8:48:24AM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13276

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01, Pier 1 **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	75		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13276
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01, Pier 1 **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13276

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO01, Pier 1 **Inspected By:** Yamane, Derek

Inspection 13346

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 3:34:00PM
Insp. Date: 4/21/2020 11:53:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:34:00PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13346
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallacher		
Temperature (°F)	75		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	Partially	Tidal Influence	
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13346
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow	No	Skip to Section 5	
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13346

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Inspection 13347

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 3:34:57PM
Insp. Date: 4/21/2020 11:51:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:34:57PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13347
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallacher		
Temperature (°F)	75		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	1"		
Submerged in water	Partially	Tidal Influenced	
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13347
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13347

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Inspection 13348

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 3:36:02PM
Insp. Date: 4/21/2020 11:40:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:36:02PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13348
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallacher		
Temperature (°F)	75		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	42"		
Submerged in water	Fully	Tidal Influenced	
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13348
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13348

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Inspection 13349

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 3:36:50PM
Insp. Date: 4/21/2020 11:42:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:36:50PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13349
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallacher		
Temperature (°F)	75		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	To Be Verified		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13349
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage	None		
Deposits / stains	Paint		
Abnormal vegetation	None		
Poor pool quality	None		
Pipe benthic growth	None		
Other observations	Paint chips from HSI were observed within drain. No flow observed		
Overall outfall characterization	Potential	Paint chips observed	

Inspection 13349
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	Paint Chips		

Inspection 13357

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 3:40:14PM
Insp. Date: 4/21/2020 11:38:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:40:14PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13357
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	CHECKED		
Inaccessible Reason	Car Parked over Drain		
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallacher		
Temperature (°F)	75		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	To Be Verified		
Submerged in water	No	N/A Unable to Access	
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13357
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13357

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Inspection 13338

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 3:11:38PM
Insp. Date: 4/21/2020 11:37:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:11:38PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13338
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallacher		
Temperature (°F)	75		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	16"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13338
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow	No	Skip to Section 5	
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13338

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO01 **Inspected By:** Yamane, Derek

Inspection 13297

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO02, Pier 2 Passenger **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:57:21PM
Insp. Date: 4/21/2020 12:00:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:57:21PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13297

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO02, Pier 2 Passenger **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallacher		
Temperature (°F)	75		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	24"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13297
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO02, Pier 2 Passenger **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13297

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO02, Pier 2 Passenger **Inspected By:** Yamane, Derek

Inspection 13296

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO02, Pier 2 Passenger **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:56:23PM
Insp. Date: 5/27/2020 12:00:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:56:23PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13296

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO02, Pier 2 Passenger **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	CHECKED		
Inaccessible Reason	Drain is located inside the Foreign Trade Zone Building. Inspectors were unable to take a photo.		
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera			
Photo #s		If not attaching directly	
Land use in drainage area			
Location			
Material			
Shape			
Configuration			
Diameter			
Submerged in water			
Submerged with sediment			
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present			
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			

Priority: 3 **Location:** HO02, Pier 2 Passenger **Inspected By:** Yamane, Derek

Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			
Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present			
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization			

Inspection 13296

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO02, Pier 2 Passenger **Inspected By:** Yamane, Derek

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)			

Inspection 13295

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO02, Pier 2 Passenger **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 4/21/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 9:48:36AM
Insp. Date: 4/21/2020 10:00:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:55:12PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13295

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO02, Pier 2 Passenger **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Derek Yamane		
Temperature (°F)	75		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	24"		
Submerged in water	Partially	Tidal Influence	
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13295
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO02, Pier 2 Passenger **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains	Trash		
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations	Tidal influence.		
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	Trash observed within manhole.		

Inspection 13295

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO02, Pier 2 Passenger **Inspected By:** Gallacher, Chris

Inspection 13282

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO02, Foreign Trade Zon **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:33:45PM
Insp. Date: 5/27/2020 12:00:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:33:45PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13282
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO02, Foreign Trade Zon **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	CHECKED		
Inaccessible Reason	Drain is located inside the Foreign Trade Zone Building. Inspectors were unable to take a photo.		
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera			
Photo #s		If not attaching directly	
Land use in drainage area			
Location			
Material			
Shape			
Configuration			
Diameter			
Submerged in water			
Submerged with sediment			
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present			
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			

Inspection 13282
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO02, Foreign Trade Zon **Inspected By:** Yamane, Derek

Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			
Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present			
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization			

Inspection 13282

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO02, Foreign Trade Zon **Inspected By:** Yamane, Derek

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)			

Inspection 13304

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO02, Foreign Trade Zon **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:58:42PM
Insp. Date: 5/27/2020 12:00:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:58:42PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13304
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO02, Foreign Trade Zon **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	CHECKED		
Inaccessible Reason	Drain is located inside the Foreign Trade Zone Building. Inspectors were unable to take a photo.		
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera			
Photo #s		If not attaching directly	
Land use in drainage area			
Location			
Material			
Shape			
Configuration			
Diameter			
Submerged in water			
Submerged with sediment			
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present			
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			

Priority: 3 **Location:** HO02, Foreign Trade Zon **Inspected By:** Yamane, Derek

Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			
Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present			
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization			

Inspection 13304
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO02, Foreign Trade Zon **Inspected By:** Yamane, Derek

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)			

Inspection 13281

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO02, Foreign Trades Zo **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 4/21/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 9:46:30AM
Insp. Date: 4/21/2020 10:30:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 9:46:46AM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13281
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO02, Foreign Trades Zo **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Derek Yamane		
Temperature (°F)	75		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	24"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO02, Foreign Trades Zo **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13281

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO02, Foreign Trades Zo **Inspected By:** Gallacher, Chris

Inspection 13339

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO04 **Inspected By:** Martello, Mitchell

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/20/2020 4:00:00PM
Insp. Date: 3/11/2020 8:30:00AM
Closed By: Gallacher, Chris
Date Closed: 3/25/2020 1:50:01PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13339

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO04 **Inspected By:** Martello, Mitchell

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying, Zhang, Derek Yamane, Chris Gallacher		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	Other	concrete	
Shape	Box		
Configuration	Single		
Diameter	114" x 48"		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13339
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO04 **Inspected By:** Martello, Mitchell

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13339

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO04 **Inspected By:** Martello, Mitchell

Inspection 13275

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO05, Pier 5 parking lot **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 8:40:00AM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 4/16/2020 9:57:37AM
Insp. Date: 3/11/2020 8:40:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 4/16/2020 9:58:45AM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13275
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO05, Pier 5 parking lot **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	8"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13275
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO05, Pier 5 parking lot **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None.		

Inspection 13275

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO05, Pier 5 parking lot **Inspected By:** Gallacher, Chris

Inspection 13274

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO05, Pier 5 parking lot **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 4/16/2020 10:15:29AM
Insp. Date: 3/11/2020 8:45:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 4/16/2020 10:16:11AM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13274
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO05, Pier 5 parking lot **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	8"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13274
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO05, Pier 5 parking lot **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None.		

Inspection 13274

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO05, Pier 5 parking lot **Inspected By:** Gallacher, Chris

Inspection 13328

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO05, Pier 5 parking lot **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 4/16/2020 10:34:22AM
Insp. Date: 3/11/2020 8:45:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 4/16/2020 10:35:10AM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13328

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO05, Pier 5 parking lot **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	16"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13328
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO05, Pier 5 parking lot **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13328

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO05, Pier 5 parking lot **Inspected By:** Gallacher, Chris

Inspection 13277

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO06, Pier 6 seawall **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:06:20PM
Insp. Date: 3/11/2020 8:50:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:06:27PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13277
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO06, Pier 6 seawall **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	24"		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13277
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO06, Pier 6 seawall **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13277

Cityworks

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO06, Pier 6 seawall **Inspected By:** Gallacher, Chris

Inspection 13341

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** pier 7 wall **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 3:32:57PM
Insp. Date: 3/11/2020 8:53:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:32:57PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13341
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** pier 7 wall **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallacher		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area			
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	To Be Verified		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13341
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** pier 7 wall **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow	No	Skip to Section 5	
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13341

Cityworks

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** pier 7 wall **Inspected By:** Yamane, Derek

Inspection 13359

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** pier 7 wall **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 4/16/2020 11:15:31AM
Insp. Date: 3/11/2020 8:55:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:08:29PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13359
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** pier 7 wall **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	24" (to be verified)		
Submerged in water	Fully		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13359
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** pier 7 wall **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13359

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** pier 7 wall **Inspected By:** Gallacher, Chris

Inspection 13325

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO08, Aloha Tower Drive **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 4/16/2020 11:20:54AM
Insp. Date: 3/11/2020 9:00:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:09:13PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13325

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO08, Aloha Tower Drive **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	Other	concrete	
Shape	Box		
Configuration	Double		
Diameter	to be verified		
Submerged in water	Fully		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO08, Aloha Tower Drive **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13325

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO08, Aloha Tower Drive **Inspected By:** Gallacher, Chris

Inspection 13337

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** pier 8 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 4/16/2020 11:25:47AM
Insp. Date: 3/11/2020 9:05:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 4/16/2020 11:26:02AM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13337
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** pier 8 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	Other	concrete	
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13337
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** pier 8 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13337

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** pier 8 **Inspected By:** Gallacher, Chris

Inspection 13324

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO08, Aloha Tower Drive **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 4/16/2020 11:30:03AM
Insp. Date: 3/11/2020 9:05:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:07:52PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13324
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO08, Aloha Tower Drive **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	Other	concrete	
Shape	Box		
Configuration	Double		
Diameter	(to be verified)		
Submerged in water	Fully		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13324
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO08, Aloha Tower Drive **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage	Corrosion		
Deposits / stains	None		
Abnormal vegetation	None		
Poor pool quality	None		
Pipe benthic growth	None		
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13324

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO08, Aloha Tower Drive **Inspected By:** Gallacher, Chris

Inspection 13323

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO08, Aloha Tower Marke **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/26/2020 4:00:00PM
Insp. Date: 3/11/2020 9:10:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 4/16/2020 12:03:54PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13323
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO08, Aloha Tower Marke **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	24" (to be verified)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO08, Aloha Tower Marke **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13323

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO08, Aloha Tower Marke **Inspected By:** Gallacher, Chris

Inspection 13329

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO09, Aloha Tower Marke **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 4/16/2020 12:12:21PM
Insp. Date: 3/11/2020 9:10:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 4/16/2020 12:12:38PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13329
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO09, Aloha Tower Marke **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	24"		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13329
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO09, Aloha Tower Marke **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13329

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO09, Aloha Tower Marke **Inspected By:** Gallacher, Chris

Inspection 13330

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO09, Aloha Tower Marke **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:32:54PM
Insp. Date: 3/11/2020 9:10:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:33:25PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13330
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO09, Aloha Tower Marke **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12" (to be verified)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13330
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO09, Aloha Tower Marke **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13330

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO09, Aloha Tower Marke **Inspected By:** Gallacher, Chris

Inspection 13331

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO11, Aloha Tower Marke **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:36:03PM
Insp. Date: 3/11/2020 9:15:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:36:09PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13331
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11, Aloha Tower Marke **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	24" (to be verified)		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13331
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11, Aloha Tower Marke **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13331

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11, Aloha Tower Marke **Inspected By:** Gallacher, Chris

Inspection 13350

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:52:02PM
Insp. Date: 3/11/2020 9:15:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:52:06PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13350
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	8" (to be verified)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13350
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13350

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Inspection 13351

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/26/2020 4:00:05PM
Insp. Date: 3/11/2020 9:15:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:55:04PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13351
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	8"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13351
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13351

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Inspection 13352

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:55:56PM
Insp. Date: 3/11/2020 9:20:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:56:38PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13352
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	8"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13352
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13352

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Inspection 13353

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:58:03PM
Insp. Date: 3/11/2020 9:20:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:58:31PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13353

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	Steel	(to be verified)	
Shape	Circular		
Configuration	Single		
Diameter	8"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13353
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13353

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Inspection 13354

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/26/2020 4:20:56PM
Insp. Date: 3/11/2020 9:25:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:00:15PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13354
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	Steel	(to be verified)	
Shape	Circular		
Configuration	Single		
Diameter	8"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13354
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13354

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Inspection 13355

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/26/2020 4:27:55PM
Insp. Date: 3/11/2020 9:30:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:01:53PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13355

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	8"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13355
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13355

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO11 **Inspected By:** Gallacher, Chris

Inspection 13336

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO15, Honolulu Pier 15 p **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:45:05PM
Insp. Date: 3/11/2020 9:30:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:45:07PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13336
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO15, Honolulu Pier 15 p **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	8"		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO15, Honolulu Pier 15 p **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13336

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO15, Honolulu Pier 15 p **Inspected By:** Gallacher, Chris

Inspection 13279

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO18, Pier 18 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/26/2020 4:48:57PM
Insp. Date: 3/11/2020 9:35:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 8:56:48AM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13279
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO18, Pier 18 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36"		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13279
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO18, Pier 18 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13279

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO18, Pier 18 **Inspected By:** Gallacher, Chris

Inspection 13327

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO19, Pier 19 shed **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:34:47PM
Insp. Date: 3/11/2020 9:35:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:34:53PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13327

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO19, Pier 19 shed **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	30"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13327
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO19, Pier 19 shed **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13327

Cityworks

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO19, Pier 19 shed **Inspected By:** Gallacher, Chris

Inspection 13298

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO19, Pier 19 shed **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 9:57:03AM
Insp. Date: 3/11/2020 9:35:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 9:57:21AM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13298

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO19, Pier 19 shed **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36" To be verified.		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13298
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO19, Pier 19 shed **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13298

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO19, Pier 19 shed **Inspected By:** Gallacher, Chris

Inspection 13358

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO20 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:03:15PM
Insp. Date: 3/11/2020 9:40:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:03:19PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13358
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO20 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	Steel	(to be verified)	
Shape	Circular		
Configuration	Single		
Diameter	12" (to be verified)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13358
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO20 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13358

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO20 **Inspected By:** Gallacher, Chris

Inspection 13333

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:37:06PM
Insp. Date: 3/11/2020 9:50:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:37:12PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13333

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13333
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13333

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Gallacher, Chris

Inspection 13333

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:37:06PM
Insp. Date: 3/11/2020 9:50:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:37:12PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13333

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13333
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13333

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Gallacher, Chris

Inspection 13311

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:15:19PM
Insp. Date: 3/11/2020 9:55:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:15:27PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13311
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Box		
Configuration	Single		
Diameter	48" x 30"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13311
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13311

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Gallacher, Chris

Inspection 13332

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 3:10:21PM
Insp. Date: 5/27/2020 11:56:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:10:21PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13332

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera			
Photo #s	ETC Blue	If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Box		
Configuration	Single		
Diameter	10" x 10" To Be Verified		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13332
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13332

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Yamane, Derek

Inspection 13361

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO21 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:04:19PM
Insp. Date: 3/11/2020 10:00:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:04:24PM
Work Order Id:
Observation: Blocked by floating dock.
Repairs:
Recommendation:

Inspection 13361
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO21 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	30"		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13361
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO21 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13361

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO21 **Inspected By:** Gallacher, Chris

Inspection 13322

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:30:36PM
Insp. Date: 3/11/2020 10:05:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:30:40PM
Work Order Id:
Observation: Blocked by tire bumper.
Repairs:
Recommendation:

Inspection 13322

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	Fully		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13322
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13322

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO21, Pier 21 **Inspected By:** Gallacher, Chris

Inspection 13308

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO22, Honolulu Pier 22 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:09:53PM
Insp. Date: 3/11/2020 10:10:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:10:01PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13308

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO22, Honolulu Pier 22 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	Steel		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13308
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO22, Honolulu Pier 22 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13308

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO22, Honolulu Pier 22 **Inspected By:** Gallacher, Chris

Inspection 13342

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO24 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:46:29PM
Insp. Date: 3/11/2020 10:35:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:46:35PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13342

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO24 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13342
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO24 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13342

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO24 **Inspected By:** Gallacher, Chris

Inspection 13306

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO23, Pier 23 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:07:09PM
Insp. Date: 3/11/2020 10:10:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:07:17PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13306
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO23, Pier 23 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13306
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO23, Pier 23 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13306

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO23, Pier 23 **Inspected By:** Gallacher, Chris

Inspection 13307

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO23, Pier 23 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:08:43PM
Insp. Date: 3/11/2020 10:15:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:08:49PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13307

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO23, Pier 23 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13307
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO23, Pier 23 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13307

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO23, Pier 23 **Inspected By:** Gallacher, Chris

Inspection 13280
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO23, Pier 23 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 4:00:01PM
Insp. Date: 3/11/2020 10:15:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 9:44:12AM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13280

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO23, Pier 23 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	PVC		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13280
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO23, Pier 23 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13280

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO23, Pier 23 **Inspected By:** Gallacher, Chris

Inspection 13305

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO23, Pier 23 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:03:37PM
Insp. Date: 3/11/2020 10:30:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:03:46PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13305
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO23, Pier 23 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	PVC		
Shape	Circular		
Configuration	Single		
Diameter	30"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13305
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO23, Pier 23 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13305

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO23, Pier 23 **Inspected By:** Gallacher, Chris

Inspection 13343

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO24 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:47:28PM
Insp. Date: 3/11/2020 10:30:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:47:35PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13343

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO24 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	24" x 6" (to be verified)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13343
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO24 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13343

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO24 **Inspected By:** Gallacher, Chris

Inspection 13310

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO24, Honolulu Pier 24 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:13:22PM
Insp. Date: 3/11/2020 10:35:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:13:31PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13310
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO24, Honolulu Pier 24 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	24"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13310
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO24, Honolulu Pier 24 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13310

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO24, Honolulu Pier 24 **Inspected By:** Gallacher, Chris

Inspection 13321

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO26, Pier 26 wharf **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:29:01PM
Insp. Date: 3/11/2020 10:40:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:29:08PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13321

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO26, Pier 26 wharf **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	30" (to be verified)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13321
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO26, Pier 26 wharf **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13321

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO26, Pier 26 wharf **Inspected By:** Gallacher, Chris

Inspection 13319

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO27, Pier 27 wharf **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:24:52PM
Insp. Date: 3/11/2020 10:45:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:24:58PM
Work Order Id:
Observation: View obstructed by the dock.
Repairs:
Recommendation:

Inspection 13319

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO27, Pier 27 wharf **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36" (to be verified)		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13319
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO27, Pier 27 wharf **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13319

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO27, Pier 27 wharf **Inspected By:** Gallacher, Chris

Inspection 13320

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO29, Pier 29 wharf **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:26:28PM
Insp. Date: 3/11/2020 10:45:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:26:34PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13320

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO29, Pier 29 wharf **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36" (to be verified)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13320
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO29, Pier 29 wharf **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13320

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO29, Pier 29 wharf **Inspected By:** Gallacher, Chris

Inspection 13316

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO29, Pier 29 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:21:17PM
Insp. Date: 3/11/2020 10:35:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:21:23PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13316

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO29, Pier 29 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Open pipe		
Material	RCP		
Shape	Box		
Configuration	Single		
Diameter	60" x 24" (to be verified)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO29, Pier 29 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13316

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO29, Pier 29 **Inspected By:** Gallacher, Chris

Inspection 13315

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 Shed **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:19:48PM
Insp. Date: 3/11/2020 10:40:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:19:52PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13315

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 Shed **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO31, Pier 31 Shed **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13315

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 Shed **Inspected By:** Gallacher, Chris

Inspection 13314

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 Shed **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 4:00:00PM
Insp. Date: 3/11/2020 10:45:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:18:32PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13314
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 Shed **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell MArtello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13314
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 Shed **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13314

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 Shed **Inspected By:** Gallacher, Chris

Inspection 13313

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 Shed **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:17:06PM
Insp. Date: 3/11/2020 10:50:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:17:14PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13313

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 Shed **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane,		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36" To be verified.		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13313
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 Shed **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13313

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 Shed **Inspected By:** Gallacher, Chris

Inspection 13318

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 shed **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 4:00:00PM
Insp. Date: 3/11/2020 10:50:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:23:35PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13318

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 shed **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13318
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 shed **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13318

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 shed **Inspected By:** Gallacher, Chris

Inspection 13317

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 shed **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:22:21PM
Insp. Date: 3/11/2020 10:55:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:22:27PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13317
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 shed **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13317
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 shed **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13317

Cityworks

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 shed **Inspected By:** Gallacher, Chris

Inspection 13278

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 4:00:00PM
Insp. Date: 3/11/2020 10:55:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 8:50:38AM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13278
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	24"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13278
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13278

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO31, Pier 31 **Inspected By:** Gallacher, Chris

Inspection 13309

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO32, Pier 32 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:11:18PM
Insp. Date: 3/11/2020 10:55:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:11:36PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13309

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO32, Pier 32 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13309
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO32, Pier 32 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13309

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO32, Pier 32 **Inspected By:** Gallacher, Chris

Inspection 13335

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO32, Pier 32 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 4:00:00PM
Insp. Date: 3/11/2020 11:00:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:39:16PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13335

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO32, Pier 32 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13335
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO32, Pier 32 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13335

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO32, Pier 32 **Inspected By:** Gallacher, Chris

Inspection 13303

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 4:00:00PM
Insp. Date: 3/11/2020 11:00:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:00:37PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13303

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13303
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13303

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

Inspection 13302

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 4:00:00PM
Insp. Date: 3/11/2020 11:00:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 12:57:23PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13302

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13302
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13302

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

Inspection 13301

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 4:00:00PM
Insp. Date: 3/11/2020 11:05:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 12:50:31PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13301

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13301
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13301

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

Inspection 13300

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 4:00:00PM
Insp. Date: 3/11/2020 11:05:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 12:48:26PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13300
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13300

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

Inspection 13299

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 10:00:01AM
Insp. Date: 3/11/2020 11:05:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 12:42:55PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13299

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13299
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13299

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO34, Pier 34 wharf **Inspected By:** Gallacher, Chris

Inspection 13258

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO35, Commercial Fishin **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 4:00:00PM
Insp. Date: 3/11/2020 11:05:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/4/2020 1:51:23PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13258
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO35, Commercial Fishin **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	To be verified		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO35, Commercial Fishin **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13258

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO35, Commercial Fishin **Inspected By:** Gallacher, Chris

Inspection 13257

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO35, Pier 35 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 4:00:00PM
Insp. Date: 3/11/2020 11:10:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/4/2020 1:49:45PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13257
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO35, Pier 35 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13257
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO35, Pier 35 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13257

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO35, Pier 35 **Inspected By:** Gallacher, Chris

Inspection 13326

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO35, Pier 35 wharf **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:31:51PM
Insp. Date: 3/11/2020 11:05:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:31:51PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13326
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO35, Pier 35 wharf **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	CHECKED		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12" (to be verified)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13326
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO35, Pier 35 wharf **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13326

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO35, Pier 35 wharf **Inspected By:** Gallacher, Chris

Inspection 13344

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO35 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:49:45PM
Insp. Date: 3/11/2020 11:10:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:49:48PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13344
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO35 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	to be verified		
Submerged in water	Fully		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13344
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO35 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13344

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO35 **Inspected By:** Gallacher, Chris

Inspection 13345

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO35 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:50:47PM
Insp. Date: 3/11/2020 11:15:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:50:50PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13345
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO35 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang. Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	to be verified		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO35 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13345

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO35 **Inspected By:** Gallacher, Chris

Inspection 13259

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO36, Commercial Fishin **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 4:00:00PM
Insp. Date: 3/11/2020 11:10:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/4/2020 1:53:02PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13259
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO36, Commercial Fishin **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36"		
Submerged in water	Fully		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO36, Commercial Fishin **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13259

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO36, Commercial Fishin **Inspected By:** Gallacher, Chris

Inspection 13253

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO36, Commercial Fishin **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 4:00:00PM
Insp. Date: 3/11/2020 11:15:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/4/2020 1:38:00PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13253
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO36, Commercial Fishin **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	PVC		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13253
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO36, Commercial Fishin **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13253

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO36, Commercial Fishin **Inspected By:** Gallacher, Chris

Inspection 13254

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO37, Commercial Fishin **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 4:00:00PM
Insp. Date: 3/11/2020 11:15:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/4/2020 1:39:41PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13254

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO37, Commercial Fishin **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	PVC		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO37, Commercial Fishin **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13254

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO37, Commercial Fishin **Inspected By:** Gallacher, Chris

Inspection 13255

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO37, Commercial Fishin **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 5:17:15PM
Insp. Date: 3/11/2020 11:15:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/4/2020 1:41:31PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13255

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO37, Commercial Fishin **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	PVC		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO37, Commercial Fishin **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13255

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO37, Commercial Fishin **Inspected By:** Gallacher, Chris

Inspection 13262

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO37, Commercial Fishin **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 4:00:00PM
Insp. Date: 3/11/2020 11:20:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/4/2020 1:59:26PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13262

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO37, Commercial Fishin **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.04		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	PVC		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO37, Commercial Fishin **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13262

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO37, Commercial Fishin **Inspected By:** Gallacher, Chris

Inspection 13256

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO38, Commercial Fishin **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 5:32:50PM
Insp. Date: 3/11/2020 11:30:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/4/2020 1:47:31PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13256

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO38, Commercial Fishin **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	PVC		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO38, Commercial Fishin **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13256

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO38, Commercial Fishin **Inspected By:** Gallacher, Chris

Inspection 13261

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO38, Commercial Fishin **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 5:40:09PM
Insp. Date: 3/11/2020 11:15:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/4/2020 1:57:14PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13261
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO38, Commercial Fishin **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	CMP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO38, Commercial Fishin **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13261

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO38, Commercial Fishin **Inspected By:** Gallacher, Chris

Inspection 13260

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO38, Commercial Fishin **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 3/27/2020 5:45:48PM
Insp. Date: 3/11/2020 11:25:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/4/2020 1:55:19PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13260
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO38, Commercial Fishin **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	30"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13260
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO38, Commercial Fishin **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains			
Abnormal vegetation	Excessive	Unable to view outfall due to vegetation growth.	
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		

Inspection 13260
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO38, Commercial Fishin **Inspected By:** Gallacher, Chris

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13356

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO39 **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 8:47:18AM
Insp. Date: 5/29/2020 12:00:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:38:35PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13356

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO39 **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	DOT Harbors Camera		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12" To Be Verified		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13356
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO39 **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13356

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO39 **Inspected By:** Yamane, Derek

Inspection 13312

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO40, Atlantis Submarine **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 4:17:16PM
Insp. Date: 3/31/2020 9:18:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 4:17:16PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13312

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO40, Atlantis Submarine **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36" To Be Verified		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13312
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO40, Atlantis Submarine **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13312

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO40, Atlantis Submarine **Inspected By:** Yamane, Derek

Inspection 13364

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO41, Pier 41 **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 3:46:27PM
Insp. Date: 5/27/2020 10:15:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:46:27PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13364

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO41, Pier 41 **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type			
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	IPhone		
Photo #s		If not attaching directly	
Land use in drainage area	Other	Describe	
Location	Closed pipe		
Material	RCP		
Shape	Box		
Configuration	Single		
Diameter	108" x 96"		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present			
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO41, Pier 41 **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow	No	Skip to Section 5	
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13364

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO41, Pier 41 **Inspected By:** Yamane, Derek

Inspection 13365

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO41, Pier 41 **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 3:47:36PM
Insp. Date: 5/27/2020 10:20:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:47:36PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13365

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO41, Pier 41 **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	IPhone		
Photo #s		If not attaching directly	
Land use in drainage area	Other	Describe	
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12" To Be Verified		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13365
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO41, Pier 41 **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13365

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO41, Pier 41 **Inspected By:** Yamane, Derek

Inspection 13367

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO52, Pacific Shipyards **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 3:49:57PM
Insp. Date: 5/27/2020 10:30:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:49:57PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13367
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO52, Pacific Shipyards **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	IPhone		
Photo #s		If not attaching directly	
Land use in drainage area	Other	Describe	
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	16" (To Be Verified)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO52, Pacific Shipyards **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13367

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO52, Pacific Shipyards **Inspected By:** Yamane, Derek

Inspection 13369

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO41, Pacific Shipyards I **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 3:53:57PM
Insp. Date: 5/27/2020 12:00:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:53:57PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13369
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO41, Pacific Shipyards I **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	CHECKED		
Inaccessible Reason	Inspectors could not find drain or outfall and were not able to get a photo.		
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	IPhone		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12" (To Be Verified)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			

Priority: 3 **Location:** HO41, Pacific Shipyards I **Inspected By:** Yamane, Derek

Flow #2 Flow width (in.)			
Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obvious" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		

Inspection 13369
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO41, Pacific Shipyards I **Inspected By:** Yamane, Derek

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13373

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO41 **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 4:00:34PM
Insp. Date: 5/27/2020 10:36:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 4:00:34PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13373
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO41 **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	iPhone		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12" (To Be Verified)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13373
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO41 **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13373

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO41 **Inspected By:** Yamane, Derek

Inspection 13374

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO41 **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 4:01:46PM
Insp. Date: 5/27/2020 10:35:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 4:01:46PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13374

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO41 **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	iPhone		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape			
Configuration	Single		
Diameter	24" To Be Verified		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13374
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO41 **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13374

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO41 **Inspected By:** Yamane, Derek

Inspection 13368

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO42, Pier 42 **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 3:51:26PM
Insp. Date: 5/27/2020 10:47:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:51:26PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13368
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO42, Pier 42 **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	IPhone		
Photo #s		If not attaching directly	
Land use in drainage area	Other	Describe	
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18" (To Be Verified)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13368
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO42, Pier 42 **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13368

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO42, Pier 42 **Inspected By:** Yamane, Derek

Inspection 13371

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO45, Snug Harbor **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 3:56:39PM
Insp. Date: 5/27/2020 11:08:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:56:39PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13371

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO45, Snug Harbor **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	iPhone		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	24" To Be Verified		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13371
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO45, Snug Harbor **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13371

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO45, Snug Harbor **Inspected By:** Yamane, Derek

Inspection 13370

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO45, Snug Harbor **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 3:55:33PM
Insp. Date: 5/27/2020 11:13:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:55:33PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13370
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO45, Snug Harbor **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	iPhone		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	24" (To Be Verified)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13370
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO45, Snug Harbor **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13370

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO45, Snug Harbor **Inspected By:** Yamane, Derek

Inspection 13366

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO42E, Shoreline outside **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 3:48:46PM
Insp. Date: 5/27/2020 11:16:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:48:46PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13366

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO42E, Shoreline outside **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	IPhone		
Photo #s		If not attaching directly	
Land use in drainage area	Other	Describe	
Location	Closed pipe		
Material	Steel		
Shape	Circular		
Configuration	Single		
Diameter	12" (To be Verified)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13366
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO42E, Shoreline outside **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13366

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO42E, Shoreline outside **Inspected By:** Yamane, Derek

Inspection 13263

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51, Horizon Lines Ope **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 5/19/2020 9:40:00AM
Insp. Date: 4/28/2020 9:18:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/4/2020 2:03:27PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13263
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51, Horizon Lines Ope **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36"		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13263
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51, Horizon Lines Ope **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13263

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51, Horizon Lines Ope **Inspected By:** Yamane, Derek

Inspection 13264
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51A, Sand Island **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:43:35PM
Insp. Date: 4/28/2020 12:45:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:43:41PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13264

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51A, Sand Island **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chis Gallacher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18" To Be Verified		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13264
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51A, Sand Island **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13264

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51A, Sand Island **Inspected By:** Yamane, Derek

Inspection 13265

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51A, Sand Island **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:11:31PM
Insp. Date: 4/28/2020 12:45:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:11:31PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13265
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51A, Sand Island **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	42" To Be Verified		
Submerged in water	Partially	Tidally influenced.	
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO51A, Sand Island **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13265

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51A, Sand Island **Inspected By:** Yamane, Derek

Inspection 13266

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51A, Sand Island **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:15:47PM
Insp. Date: 4/28/2020 12:49:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:15:55PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13266

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51A, Sand Island **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18" To Be Verified		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO51A, Sand Island **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13266

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51A, Sand Island **Inspected By:** Yamane, Derek

Inspection 13267

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51B, Horizon Lines **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:17:22PM
Insp. Date: 4/28/2020 12:57:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:17:25PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13267

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51B, Horizon Lines **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	48" To Be Verified		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13267
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51B, Horizon Lines **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13267

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51B, Horizon Lines **Inspected By:** Yamane, Derek

Inspection 13268

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51B, Horizon Lines **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:18:24PM
Insp. Date: 4/28/2020 12:59:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:18:28PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13268

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51B, Horizon Lines **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18" To Be Verified		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13268
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51B, Horizon Lines **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13268

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51B, Horizon Lines **Inspected By:** Yamane, Derek

Inspection 13269

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51B, Matson Terminal **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:19:21PM
Insp. Date: 4/28/2020 1:01:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:19:26PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13269

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51B, Matson Terminal **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18" To Be Verified		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13269
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51B, Matson Terminal **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13269

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51B, Matson Terminal **Inspected By:** Yamane, Derek

Inspection 13270

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:20:31PM
Insp. Date: 4/28/2020 1:05:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:20:33PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13270

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36" To Be Verified		
Submerged in water	Partially	Tidally inflluenced.	
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13270
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13270

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

Inspection 13284

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:40:26PM
Insp. Date: 4/28/2020 1:03:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:40:26PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13284

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Open pipe		
Material	Other	N/A Open Pipe	This should be blank but there is no way to un-check this.
Shape	Other	N/A Open Pipe	This should be blank but there is no way to un-check this.
Configuration	Other	N/A Open Pipe	This should be blank but there is no way to un-check this.
Diameter			
Submerged in water	No		This should be blank but there is no way to un-check this.
Submerged with sediment	No		This should be blank but there is no way to un-check this.
Material	Concrete		
Shape	Trapezoid		
Depth	20"		
Top width	14"		
Bottom width	14"		

Inspection 13284
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			
Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obvious" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			

Inspection 13284
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13285

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51, Matson Terminal **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:43:12PM
Insp. Date: 4/28/2020 1:09:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:43:12PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13285

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51, Matson Terminal **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Open pipe		
Material	Other	N/A Open Pipe	This isn't suppose to be checked. There is no way to un-check this on our end.
Shape	Other	N/A Open Pipe	This isn't suppose to be checked. There is no way to un-check this on our end.
Configuration	Other	N/A Open Pipe	This isn't suppose to be checked. There is no way to un-check this on our end.
Diameter			
Submerged in water	No		This isn't suppose to be checked. There is no way to un-check this on our end.
Submerged with sediment	No		This isn't suppose to be checked. There is no way to un-check this on our end.
Material	Concrete		
Shape	Trapezoid		
Depth	24"		
Top width	14"		
Bottom width	14"		

Inspection 13285
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51, Matson Terminal **Inspected By:** Yamane, Derek

Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			
Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow	No	Skip to Section 5	
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obvious" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			

Inspection 13285
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51, Matson Terminal **Inspected By:** Yamane, Derek

Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13286

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:44:13PM
Insp. Date: 4/28/2020 1:12:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:44:13PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13286

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Open pipe		
Material	Other	N/A Open Pipe	Unable to un-check this.
Shape	Other	N/A Open Pipe	Unable to un-check this.
Configuration	Other	N/A Open Pipe	
Diameter			
Submerged in water	No		Unable to un-check this.
Submerged with sediment	No		Unable to un-check this.
Material	Concrete		
Shape	Trapezoid		
Depth	23"		
Top width	14"		
Bottom width	14"		
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13286
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13286

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

Inspection 13287

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:45:10PM
Insp. Date: 4/28/2020 1:14:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:45:10PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13287

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Open pipe		
Material	Other	Describe	
Shape	Other	Trench Drain	
Configuration	Single		
Diameter			
Submerged in water	No		
Submerged with sediment	No		
Material	Concrete		
Shape	Trapezoid		
Depth	23"		
Top width	14"		
Bottom width	14"		
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13287

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

Inspection 13288

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51, Matson Terminal **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:45:50PM
Insp. Date: 4/28/2020 1:20:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:45:50PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13288

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51, Matson Terminal **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Open pipe		
Material	Other	N/A Open Pipe	unable to un-check
Shape	Other	N/A Open Pipe	Unable to un-check
Configuration	Other	N/A Open Pipe	Unable to un-check
Diameter			
Submerged in water	No	N/A Open Pipe	Unable to un-check
Submerged with sediment	No	N/A Open Pipe	Unable to un-check
Material	Concrete		
Shape	Trapezoid		
Depth	14"		
Top width	21"		
Bottom width	14"		
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO51, Matson Terminal **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow	No	Skip to Section 5	
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13288

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51, Matson Terminal **Inspected By:** Yamane, Derek

Inspection 13271

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:24:27PM
Insp. Date: 4/28/2020 1:17:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:24:30PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13271
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Open pipe		
Material	Other	N/A Open Pipe	Unable to un-check
Shape	Other	N/A Open Pipe	Unable to un-check
Configuration	Other	N/A Open Pipe	Unable to un-check
Diameter			
Submerged in water	No	N/A Open Pipe	Unable to un-check
Submerged with sediment	No	N/A Open Pipe	Unable to un-check
Material	Concrete		
Shape	Trapezoid		
Depth	26"		
Top width	18"		
Bottom width	18"		
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13271
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13271

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO51C, Matson Terminal **Inspected By:** Yamane, Derek

Inspection 13360

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** 51 yard, Matson Molasses **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 3:41:55PM
Insp. Date: 4/28/2020 1:46:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 3:41:55PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13360

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** 51 yard, Matson Molasses **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	CHECKED		
Inaccessible Reason	Overgrowth of grass blocks the drain from inspectors getting an accurate view inside		
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	24" To be verified		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			

Inspection 13360
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** 51 yard, Matson Molasses **Inspected By:** Yamane, Derek

Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			
Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obvious" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		

Inspection 13360

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** 51 yard, Matson Molasses **Inspected By:** Yamane, Derek

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13289

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO52, Matson Terminal **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:46:45PM
Insp. Date: 4/28/2020 1:22:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:46:45PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13289

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO52, Matson Terminal **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Open pipe		
Material	Other	N/A Open Pipe	Not able to un-check
Shape	Other	N/A Open Pipe	Not able to un-check
Configuration	Other	N/A Open Pipe	Not able to un-check
Diameter			
Submerged in water	No	N/A Open Pipe	Not able to un-check
Submerged with sediment	No	N/A Open Pipe	Not able to un-check
Material	Concrete		
Shape	Trapezoid		
Depth	14"		
Top width	21"		
Bottom width	14"		
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13289
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO52, Matson Terminal **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow	No	Skip to Section 5	
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13289

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO52, Matson Terminal **Inspected By:** Yamane, Derek

Inspection 13273

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO52, Sand Island **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:28:44PM
Insp. Date: 4/28/2020 1:28:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:29:47PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13273

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO52, Sand Island **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Open pipe		
Material	Other	N/A Open Pipe	unable to un-check
Shape	Other	N/A Open Pipe	unable to un-check
Configuration	Single	N/A Open Pipe	unable to un-check
Diameter			
Submerged in water	No	N/A Open Pipe	Unable to un-check
Submerged with sediment	No	N/A Open Pipe	Unable to un-check
Material	Concrete		
Shape	Trapezoid		
Depth	26"		
Top width	12"		
Bottom width	12"		
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13273
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO52, Sand Island **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains	Sediment		
Deposits / stains	Trash		
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		

Inspection 13273
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO52, Sand Island **Inspected By:** Yamane, Derek

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	Sediment and trash observed.		

Inspection 13290

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO52, Matson Terminal **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:47:49PM
Insp. Date: 4/28/2020 1:24:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:47:49PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13290

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO52, Matson Terminal **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Open pipe		
Material	Other	N/A Open Pipe	Unable to un-check
Shape	Other	N/A Open Pipe	Unable to un-check
Configuration	Single	N/A Open Pipe	Unable to un-check
Diameter			
Submerged in water	No	N/A Open Pipe	Unable to un-check
Submerged with sediment	No	N/A Open Pipe	Unable to un-check
Material	Concrete		
Shape	Trapezoid		
Depth	26"		
Top width	12"		
Bottom width	12"		
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13290
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO52, Matson Terminal **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains	Sediment		
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	Sediment observed within drain.		

Inspection 13290

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO52, Matson Terminal **Inspected By:** Yamane, Derek

Inspection 13291
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO52, Matson Terminal **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:48:52PM
Insp. Date: 4/28/2020 1:32:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:48:52PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13291

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO52, Matson Terminal **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Open pipe		
Material	Other	N/A Open Pipe	unable to un-check
Shape	Other	N/A Open Pipe	unable to un-check
Configuration	Other	N/A Open Pipe	unable to un-check
Diameter			
Submerged in water	No	N/A Open Pipe	unable to un-check
Submerged with sediment	No	N/A Open Pipe	unable to un-check
Material	Concrete		
Shape	Trapezoid		
Depth	23"		
Top width	12"		
Bottom width	12"		
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13291
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO52, Matson Terminal **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains	Sediment		
Deposits / stains	Trash		
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		

Inspection 13291
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO52, Matson Terminal **Inspected By:** Yamane, Derek

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	Trash and sediment observed.		

Inspection 13292

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:50:45PM
Insp. Date: 4/28/2020 1:35:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:50:45PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Open pipe		
Material	Other	N/A Open Pipe	unable to un-check
Shape	Other	N/A Open Pipe	Unable to un-check
Configuration	Other	N/A Open Pipe	Unable to un-check
Diameter			
Submerged in water	No	N/A Open Pipe	Unable to un-check
Submerged with sediment	No	N/A Open Pipe	Unable to un-check
Material	Concrete		
Shape	Trapezoid		
Depth	24"		
Top width	12"		
Bottom width	12"		
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13292

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

Inspection 13283

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:37:14PM
Insp. Date: 4/28/2020 1:37:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:37:20PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13283

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	96" To Be Verified		
Submerged in water	Fully		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow	No	Skip to Section 5	
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13283

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

Inspection 13272
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:25:58PM
Insp. Date: 4/28/2020 1:41:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:26:09PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13272
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	CHECKED		
Inaccessible Reason	Due to construction operations, BMPs were placed within the trench drain to prevent an illicit discharge. Therefore the trench drain was inaccessible at the time of inspection.		
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Open pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36" To Be Verified		
Submerged in water	Partially	N/A Inaccessible	How can you say this is partially submerged if you weren't able to access the drain?
Submerged with sediment	No	N/A Inaccessible	Same question as above.
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	

Inspection 13272
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			
Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obvious" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			

Inspection 13272
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13294

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 2:53:12PM
Insp. Date: 4/28/2020 1:41:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 2:53:12PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13294
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	CHECKED		
Inaccessible Reason	Due to operations at the facility, BMPs were placed within the trench drain to prevent an illicit discharge. Therefore the trench drain was inaccessible at the time of inspection.		
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Closed pipe		
Material	PVC		
Shape	Circular		
Configuration	Single		
Diameter	12" TBV		
Submerged in water	No	N/A Inaccessible	
Submerged with sediment	No	N/A Inaccessible	
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			
Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			

Inspection 13294
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13340

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO60 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 4/16/2020 10:40:40AM
Insp. Date: 3/11/2020 8:50:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 4/16/2020 10:40:52AM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13340

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO60 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18" (to be verified)		
Submerged in water	Fully		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13340
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO60 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13340

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO60 **Inspected By:** Gallacher, Chris

Inspection 13363

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** Pier 26 **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 5:59:07PM
Insp. Date: 5/27/2020 12:09:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 5:59:07PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13363

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** Pier 26 **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.00		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	IPhone		
Photo #s		If not attaching directly	
Land use in drainage area			
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	To Be Verified		
Submerged in water	No		
Submerged with sediment	No		
Material	Other	Describe	
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** Pier 26 **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13363

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** Pier 26 **Inspected By:** Yamane, Derek

Inspection 13293

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

Projected Start: 2/11/2020 12:50:29PM
Projected Finish:
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 5:58:38PM
Insp. Date: 4/28/2020 1:39:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 5:58:38PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13293

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Chris Gallcher		
Temperature (°F)	79		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.00		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Industrial		
Location	Open pipe		
Material	Other	Describe	
Shape	Other	Trench Drain	
Configuration	Single		
Diameter			
Submerged in water	No		
Submerged with sediment	No		
Material	Concrete		
Shape	Trapezoid		
Depth	24"		
Top width	12"		
Bottom width	12"		
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13293
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13293

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO53, Matson Terminal **Inspected By:** Yamane, Derek

Inspection 13340

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO60 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 4/16/2020 10:40:40AM
Insp. Date: 3/11/2020 8:50:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 4/16/2020 10:40:52AM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13340

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO60 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18" (to be verified)		
Submerged in water	Fully		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13340
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO60 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13340

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO60 **Inspected By:** Gallacher, Chris

Inspection 13342

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO24 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 12:50:29PM
Projected Finish: 3/11/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 12:50:29PM
Actual Finish: 6/5/2020 1:46:29PM
Insp. Date: 3/11/2020 10:35:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 1:46:35PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13342

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO24 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Ying Zhang, Mitchell Martello, Derek Yamane		
Temperature (°F)	74		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.03		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13342
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** HO24 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13342

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** HO24 **Inspected By:** Gallacher, Chris

Inspection 13391

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: **Location:** BP04, Pier 4 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/14/2020 2:35:26PM
Insp. Date: 3/31/2020 9:00:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 1:43:54PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13391

Storm Outfall Reconnaissance

Status: CLOSED

Priority: **Location:** BP04, Pier 4 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Box		
Configuration	Single		
Diameter	72" x 18"		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13391
Storm Outfall Reconnaissance

Status: CLOSED

Priority: **Location:** BP04, Pier 4 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization			
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)			

Inspection 13391

Storm Outfall Reconnaissance

Status: CLOSED

Priority: **Location:** BP04, Pier 4 **Inspected By:** Gallacher, Chris

Inspection 13403

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP04, Pier 4 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 5/22/2020 1:45:30PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/22/2020 1:45:21PM
Insp. Date: 3/31/2020 8:30:44AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 4:36:49PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13403
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP04, Pier 4 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18"		
Submerged in water	Fully		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13403
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP04, Pier 4 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13403

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP04, Pier 4 **Inspected By:** Gallacher, Chris

Inspection 13383

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP05A, Yard S-4 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/14/2020 4:49:00PM
Insp. Date: 3/31/2020 9:30:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 1:49:10PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13383
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05A, Yard S-4 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13383
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05A, Yard S-4 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains	Sediment		
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations	Sediment and grit observed. However, trench drains are cleaned routinely.		
Overall outfall characterization	Unlikely		

Inspection 13383
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP05A, Yard S-4 **Inspected By:** Gallacher, Chris

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13382

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP05A, KBPH Pier 5A **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/14/2020 5:56:00PM
Insp. Date: 3/31/2020 9:40:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 1:52:25PM
Work Order Id:
Observation: Tidal influence.
Repairs:
Recommendation:

Inspection 13382

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05A, KBPH Pier 5A **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36" (TBV)		
Submerged in water	Partially	Tidally influenced	
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** BP05A, KBPH Pier 5A **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations	Tidal influence		
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13382

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP05A, KBPH Pier 5A **Inspected By:** Gallacher, Chris

Inspection 13381

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP05A, KBPH Pier 5A **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/14/2020 6:59:00PM
Insp. Date: 3/31/2020 9:45:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 1:56:11PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13381

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05A, KBPH Pier 5A **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13381
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05A, KBPH Pier 5A **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13381

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP05A, KBPH Pier 5A **Inspected By:** Gallacher, Chris

Inspection 13402

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP05, Yard S-4 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/14/2020 6:03:00PM
Insp. Date: 3/31/2020 9:50:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:03:19PM
Work Order Id:
Observation: Sediment observed. However, regular cleaning of trench drains is scheduled.
Repairs:
Recommendation:

Inspection 13402
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05, Yard S-4 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13402
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05, Yard S-4 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains	Sediment		
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13402

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP05, Yard S-4 **Inspected By:** Gallacher, Chris

Inspection 13380

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP05, Yard S-4 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/14/2020 6:08:00PM
Insp. Date: 3/31/2020 10:00:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:05:10PM
Work Order Id:
Observation: Tidal influence observed.
Repairs:
Recommendation:

Inspection 13380
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05, Yard S-4 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36" (TBV)		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13380
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05, Yard S-4 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	Tidal influence observed.		

Inspection 13380

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05, Yard S-4 **Inspected By:** Gallacher, Chris

Inspection 13384

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP05, KBPH Pier 5 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/14/2020 6:12:00PM
Insp. Date: 3/31/2020 10:05:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:09:53PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13384

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05, KBPH Pier 5 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannacio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13384
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05, KBPH Pier 5 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains	Sediment		
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations	Sediment and grit observed. Trench drains are cleaned routinely.		
Overall outfall characterization	Potential	(presence of two or more indicators)	

Inspection 13384
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP05, KBPH Pier 5 **Inspected By:** Gallacher, Chris

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None.		

Inspection 13401

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP05, KBPH Pier 5 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/14/2020 6:22:00PM
Insp. Date: 3/31/2020 10:10:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:14:12PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13401

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05, KBPH Pier 5 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13401
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05, KBPH Pier 5 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains	Sediment		
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations	Sediment and grit observed. Trench drains are routinely cleaned		
Overall outfall characterization	Unlikely		

Inspection 13401
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP05, KBPH Pier 5 **Inspected By:** Gallacher, Chris

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13385

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP05, Yard S-4 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/14/2020 6:00:15PM
Insp. Date: 3/31/2020 10:12:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:20:34PM
Work Order Id:
Observation: Tidally influenced.
Repairs:
Recommendation:

Inspection 13385
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP05, Yard S-4 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36" (TBV)		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13385
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05, Yard S-4 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations	Tidal influence observed.		
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13385

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05, Yard S-4 **Inspected By:** Gallacher, Chris

Inspection 13400

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP05, Yard S-4 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/14/2020 6:08:00PM
Insp. Date: 3/31/2020 10:15:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:22:17PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13400
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05, Yard S-4 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13400
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP05, Yard S-4 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains	Sediment		
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations	Sediment and grit observed. Trench drains are cleaned routinely.		
Overall outfall characterization	Unlikely		

Inspection 13400
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP05, Yard S-4 **Inspected By:** Gallacher, Chris

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13399

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP06, Yard S-5 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/14/2020 6:13:00PM
Insp. Date: 3/31/2020 10:30:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:24:43PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13399
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP06, Yard S-5 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13399
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP06, Yard S-5 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains	Sediment		
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations	Sediment and grit observed inside trench drain. Trench drains are cleaned following loading operations.		
Overall outfall characterization	Unlikely		

Inspection 13399

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP06, Yard S-5 **Inspected By:** Gallacher, Chris

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13386

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP06, Yard S-5 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 5/22/2020 2:28:05PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/22/2020 2:28:01PM
Insp. Date: 5/5/2020 9:00:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:28:30PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13386
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP06, Yard S-5 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Derek Yamane		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	18" (TBV)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13386
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP06, Yard S-5 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains	Sediment		
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations	Sediment and grit observed. Trench drains are cleaned following loading operations.		
Overall outfall characterization	Unlikely		

Inspection 13386
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP06, Yard S-5 **Inspected By:** Gallacher, Chris

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13398

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP06, Yard S-5 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 5/5/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/14/2020 6:38:00PM
Insp. Date: 5/5/2020 9:10:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:31:23PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13398

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP06, Yard S-5 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Derek Yamane		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13398
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP06, Yard S-5 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains	Sediment		
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations	Sediment and grit observed inside trench drain. Trench drains are cleaned following loading operations.		
Overall outfall characterization	Unlikely		

Inspection 13398

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP06, Yard S-5 **Inspected By:** Gallacher, Chris

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13387

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP06, Pier P-6 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/14/2020 6:00:44PM
Insp. Date: 3/31/2020 10:40:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:33:24PM
Work Order Id:
Observation: Tidal influence observed.
Repairs:
Recommendation:

Inspection 13387
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP06, Pier P-6 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36"		
Submerged in water	Partially		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13387
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP06, Pier P-6 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13387

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP06, Pier P-6 **Inspected By:** Gallacher, Chris

Inspection 13397

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP06, KBPH Pier 6 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 5/5/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/8/2020 7:16:00PM
Insp. Date: 5/5/2020 10:45:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:38:56PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13397
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP06, KBPH Pier 6 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Derek Yamane		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13397
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP06, KBPH Pier 6 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains	Sediment		
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations	Sediment and grit observed inside trench drain. Trench drains are cleaned following loading operations.		
Overall outfall characterization	Unlikely		

Inspection 13397

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP06, KBPH Pier 6 **Inspected By:** Gallacher, Chris

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13396

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP07, KBPH Pier 7 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 5/5/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/12/2020 6:00:00PM
Insp. Date: 5/5/2020 10:45:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:41:38PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13396

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP07, KBPH Pier 7 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Derek Yamane		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13396
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP07, KBPH Pier 7 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains	Sediment		
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations	Sediment and grit observed inside trench drain. Trench drains are cleaned following loading operations.		
Overall outfall characterization	Unlikely		

Inspection 13396

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP07, KBPH Pier 7 **Inspected By:** Gallacher, Chris

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13388

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP07, Coal Conveyor **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 5/5/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/14/2020 6:29:00PM
Insp. Date: 5/5/2020 10:40:00PM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:44:29PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13388
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP07, Coal Conveyor **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	CHECKED		
Inaccessible Reason	Coal conveyor machine was covering the trench drain and there are no upstream drains to check.		
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Derek Yamane		
Temperature (°F)	80		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	TBD		
Submerged in water		N/A Inaccessible	
Submerged with sediment		N/A Inaccessible	
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present		N/A Inaccessible	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			

Inspection 13388
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP07, Coal Conveyor **Inspected By:** Gallacher, Chris

Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			
Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present		N/A Inaccessible	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization			

Inspection 13388

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP07, Coal Conveyor **Inspected By:** Gallacher, Chris

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	N/A Inaccessible		

Inspection 13389

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/1/2020 7:34:00PM
Insp. Date: 3/31/2020 10:45:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 6/5/2020 4:36:14PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13389

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	36" (to be verified)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13389
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13389

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

Inspection 13390

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP07, KBPH Pier 7 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/14/2020 5:00:59PM
Insp. Date: 3/31/2020 10:50:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:48:24PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13390

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP07, KBPH Pier 7 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	Other	Concrete	
Shape	Box		
Configuration	Single		
Diameter	36"x 10" (TBV)		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** BP07, KBPH Pier 7 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains	Flow line		
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13390

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP07, KBPH Pier 7 **Inspected By:** Gallacher, Chris

Inspection 13395

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/22/2020 2:49:49PM
Insp. Date: 3/31/2020 10:50:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:49:49PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13395

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13395
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13395

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

Inspection 13394

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/1/2020 4:00:00PM
Insp. Date: 3/31/2020 10:55:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:51:10PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13394

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13394
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13394

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

Inspection 13393

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/12/2020 4:00:00PM
Insp. Date: 3/31/2020 10:55:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:52:51PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13393

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yammane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13393
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13393

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

Inspection 13392

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:06:55PM
Projected Finish: 3/31/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:06:55PM
Actual Finish: 5/1/2020 4:00:00PM
Insp. Date: 3/31/2020 11:00:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 2:54:14PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13392

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Chelsea Iannaccio, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Closed pipe		
Material	RCP		
Shape	Circular		
Configuration	Single		
Diameter	12"		
Submerged in water	No		
Submerged with sediment	No		
Material			
Shape			
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13392
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13392

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** BP07, Area 7 **Inspected By:** Gallacher, Chris

Inspection 13375

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:03:50PM
Projected Finish: 3/12/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:03:50PM
Actual Finish: 3/31/2020 4:00:53PM
Insp. Date: 3/12/2020 9:30:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 1:32:49PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13375
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Derek Yamane		
Temperature (°F)	73		
Rainfall (in.) last 24 hours	0.02		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Open pipe		
Material			
Shape			
Configuration			
Diameter			
Submerged in water			
Submerged with sediment			
Material	Other	Concrete, Earthen	
Shape	Other	Sheet flow	
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains	Flow line		
Deposits / stains	Sediment		
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Potential	(presence of two or more indicators)	

Inspection 13375
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13376

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:03:50PM
Projected Finish: 3/12/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:03:50PM
Actual Finish: 3/31/2020 4:00:00PM
Insp. Date: 3/31/2020 9:35:35AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 1:35:01PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13376
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Derek Yamane		
Temperature (°F)	73		
Rainfall (in.) last 24 hours	0.02		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Open pipe		
Material			
Shape			
Configuration			
Diameter			
Submerged in water			
Submerged with sediment			
Material	Earthen		
Shape	Other	Sheet flow	
Depth			
Top width			
Bottom width			
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13376
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains	Trash		
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	Trash observed.		

Inspection 13376

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

Inspection 13377

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:03:50PM
Projected Finish: 3/12/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:03:50PM
Actual Finish: 3/31/2020 4:08:00PM
Insp. Date: 3/12/2020 9:45:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 1:37:16PM
Work Order Id:
Observation: Overgrown vegetation prevented visual observation.
Repairs:
Recommendation:

Inspection 13377
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	CHECKED		
Inaccessible Reason	Overgrown vegetation		
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Derek Yamane		
Temperature (°F)	73		
Rainfall (in.) last 24 hours	0.02		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Open pipe		
Material			
Shape			
Configuration			
Diameter			
Submerged in water			
Submerged with sediment			
Material	Other	Concrete, earthen	
Shape	Trapezoid		
Depth	12"		
Top width	36"		
Bottom width	24"		
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains			
Abnormal vegetation	Excessive		
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13377

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

Inspection 13378

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:03:50PM
Projected Finish: 3/12/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:03:50PM
Actual Finish: 3/31/2020 4:00:46PM
Insp. Date: 3/12/2020 9:55:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 1:39:38PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13378
Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Derek Yamane		
Temperature (°F)	73		
Rainfall (in.) last 24 hours	0.02		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Commercial		
Location	Open pipe		
Material			
Shape			
Configuration			
Diameter			
Submerged in water			
Submerged with sediment			
Material	Other	Concrete, Earthen	
Shape	Other	Box culvert to natural ditch	
Depth			
Top width	36"		
Bottom width	36"		
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13378
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	Yes		
Outfall damage			
Deposits / stains			
Abnormal vegetation	Excessive		
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13378

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

Inspection 13379

Storm Outfall Reconnaissance

Cityworks

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

Projected Start: 2/11/2020 1:03:50PM
Projected Finish: 4/21/2020 4:00:00PM
Initiated By: Zhang, Ying J
Initiated Date: 2/11/2020 1:03:50PM
Actual Finish: 5/14/2020 4:00:55PM
Insp. Date: 4/21/2020 9:30:00AM
Closed By: Iannaccio, Chelsea
Date Closed: 5/22/2020 1:41:31PM
Work Order Id:
Observation:
Repairs:
Recommendation:

Inspection 13379
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

QUESTION	ANSWER	INSTRUCTION	EXPLANATION
Inaccessible	UNCHECK		
Inaccessible Reason			
Inspection type	Dry weather		
Additional inspectors	Mitchell Martello, Derek Yamane		
Temperature (°F)	76		
Rainfall (in.) last 24 hours	0.0		
Rainfall (in.) last 48 hours	0.0		
GPS unit	Cityworks		
GPS landmark			
Camera	ETC Blue		
Photo #s		If not attaching directly	
Land use in drainage area	Other	Industrial/Commercial	
Location	Open pipe		
Material			
Shape			
Configuration			
Diameter			
Submerged in water			
Submerged with sediment			
Material	Earthen		
Shape	Parabolic		
Depth	42"		
Top width	144"		
Bottom width	36"		
Flow present	No	Skip to Section 5	
Flow description (if present)			
Flow # 1 Volume (ml)			
Flow # 1 Time to fill (sec.)			
Flow #2 Flow depth (in.)			
Flow #2 Flow width (in.)			

Inspection 13379
Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

Flow #2 Measured length (in.)			
Flow #2 Time of travel (sec.)			
Temperature (°F)			
pH			
Ammonia (ppm)			
Physical indicators present in the flow			
Odor			
Odor relative severity index			
Color			
Color relative severity index			
Turbidity relative severity index			
Floatables (not including trash)			
Floatables relative severity index			
Description of discharge source			
Illicit discharge		If yes, categorize as "Obviou s" and create Illicit Dischage Investigation SR and WO	
Other observations			
Nonflow-related physical indicators present	No	Skip to Section 6	
Outfall damage			
Deposits / stains			
Abnormal vegetation			
Poor pool quality			
Pipe benthic growth			
Other observations			
Overall outfall characterization	Unlikely		
Non-illicit discharge concerns (e.g., trash or needed infrastructure repairs)	None		

Inspection 13379

Storm Outfall Reconnaissance

Status: CLOSED

Priority: 3 **Location:** 60, KIPA **Inspected By:** Gallacher, Chris

Attachment 10.a

Tenant Illicit Discharge Investigation Summary

2020 Illicit Discharges Investigations at Tenant Sites

Tenant Business Name	Date of Incident	Method of Discovery	Description	Action Taken
Oceanic Kaimamala Corp.	6/17/2020	Annual Reconnaissance	On 6/17/2020, during annual reconnaissance on-site, water from a leaking hose bibb was observed entering the storm drain. Details were documented in the regular inspection report.	As part of the follow-up, a regular stormwater compliance inspection was scheduled and conducted on 6/30/2020. During this follow-up inspection, it appeared that the hose bibb was repaired and no longer leaking.
Matson Terminals, Inc.	12/9/2020	Regular Inspection	On 12/9/2020, during regular stormwater compliance inspection, two separate illicit discharges were observed on-site. Details were documented in the inspection report.	Inspection report was provided to Matson on 12/11/2020. A follow up inspection was conducted on 12/18/2020 to ensure proper measures taken to prevent those types of illicit discharges from occurred again
Grace Pacific, LLC	12/18/2020	Regular Inspection	On 12/18/2020, during regular stormwater compliance inspection, uncontained hand-washing station was observed on-site. Details were documented in the inspection report.	Inspection report was provided to Grace Pacific on December 22, 2020. The tenant was required to take corrective action no later than 1/21/2021.

Attachment 10.b

Suspected Illicit Discharge Reporting in 2020

Attachment 10b.

Suspected Illicit Discharge Investigations

RequestId	Date Initiated	Description	Priority	Category	Submit To	Dispatch To	Address
720	12/23/2020 03:58	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
719	12/14/2020 02:53	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
717	11/23/2020 01:11	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
716	11/9/2020 09:12	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
714	10/30/2020 10:29	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
713	10/28/2020 01:25	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
712	10/26/2020 11:08	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
711	10/22/2020 04:35	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
710	10/5/2020 02:16	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
708	09/17/2020 12:06	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
707	07/31/2020 03:23	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
706	06/24/2020 09:01	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	Martello, Mitchell	N/A
705	05/19/2020 01:46	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
704	05/12/2020 04:34	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
697	05/1/2020 02:05	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
693	04/1/2020 10:27	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	Martello, Mitchell	N/A
692	03/18/2020 01:15	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
689	03/2/2020 03:12	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
688	02/26/2020 01:22	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
687	02/26/2020 12:48	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
686	02/21/2020 02:21	Suspected Illicit Discharge	3	STORMDRAIN	Zhang, Joy	-	N/A
683	02/5/2020 02:02	Suspected Leaking Pipe	3	STORMDRAIN	Zhang, Joy	Zhang, Joy	N/A

Attachment 10b.
Suspected Illicit Discharge Investigations

Date Time Closed
12/23/2020 04:00
12/14/2020 02:54
11/23/2020 01:13
11/9/2020 09:18
10/30/2020 10:30
11/2/2020 02:36
10/26/2020 11:09
10/23/2020 11:03
10/5/2020 02:17
09/18/2020 02:28
07/31/2020 03:25
06/25/2020 10:30
05/19/2020 02:02
05/13/2020 08:03
05/1/2020 02:06
07/15/2020 07:43
03/18/2020 01:34
03/2/2020 03:16
02/26/2020 01:22
02/26/2020 12:48
06/19/2020 01:27
02/5/2020 04:12

Attachment 11

Construction Project Inventory and Inspection Summary

Summary of Construction Site BMP Inspections in 2020
H.C. 10502 - New Kapalama Container Terminal, Honolulu Harbor

Inspection Date	Type	Summary of Findings and Recommendations
1/9/2020	Regular	Debris in rumble strip observed in Areas 1 and 2; Vehicle tracking on paved roadways in Areas 1 and 2.
1/21/2020	Regular	Debris in rumble strip observed in Area 1; Debris in gutter guard in Area 1
2/5/2020	Regular	No drip pan under idle equipment in Area 2; Trash bin left open in Area 3 (corrected at the time of inspection); Maintenance was required for stabilized entrance at Area 1. Entrance gravel needed to be turned and cleaned and Auiki Street would need to be swept. KIWC determined during the inspection that they will close the entrance down until all the repairs are made. KIWC swept Auiki Street during the inspection.
2/19/2020	Regular	Build up on rumble strip and slight vehicle tracking on apron in Area 2; Debris inside of drain inlet 1 in Area 3; Fugitive concrete on the ground in Area 1.
3/4/2020	Regular	Concrete muck bin overflowing in Area 1; Trash bin left open in Area 2 (corrected during inspection).
3/18/2020	Regular	Biosocks overlap non-compliance in Areas 3 and 4 (corrected during inspection); Concrete muck bin overflowing in Area 1; Trash bin left open in Area 2.
4/1/2020	Regular	Rumble strip and AC pavement needs cleaning in Area 1; Concrete muck bin overflowing in Area 2; Trash bin left open in Area 3.
6/3/2020	Regular	Concrete muck bin overflowing in Area 1.
8/5/2020	Regular	Grading material lefts near gutter in Area 2; Drain inlet protection missing in Area 1.
10/9/2020	Regular	Mising biosocks in Area 2; No dust control in Area 3; AC material stored on soil in Area 1; Open trash bin in Area 4 (corrected during inspection).
10/21/2020	Regular	Loose debris on rumble strip in Area 1; Tracking on SIAR in Area 2; Missing biosocks in Area 2.
11/4/2020	Regular	Fugitive dust by moving vehicles in Area 1
11/18/2020	Regular	Rumble strip with debris in Area 1; Biosocks with no overlap in Area 3 (corrected during inspection); Witchs' hat torn in Area 2; Open trash bin in Area 4.
12/2/2020	Regular	Bisocks with no overlap in Area 1.
12/16/2020	Regular	Biosocks with no overlap in Area 1. This finding was corrected during the inspection
12/30/2020	Regular	No drip pan under idle equipment in Area 1; Secondary containment for liquid material to be expended in Area 2. Both findings were corrected on the day of inspection.

Summary of Construction Site BMP Inspections in 2020
H.C. 10545 - Utilities Improvement at Piers 24 to 28, Honolulu Harbor

Inspection Date	Type	Summary of Findings and Recommendations
9/25/2020	Initial	Petroleum hydrocarbon contaminated soil and groundwater are anticipated during future trenching work. At this initial BMP inspection, the Contractor indicated that they will follow the applicable procedures outlined in the provided EHMP and submitted C-EHMP addendum for proper soil segregation/storage/disposal and groundwater dewatering/storage/disposal. Sediment Basin installation underway at the time of inspection. This is the initial BMP inspection for this project. At the time of the inspection, installation of soil stockpile staging and groundwater dewatering/sendimentation areas were still under way (Photos 3 and 4). Follow-up photos need to be provided to Harbors upon completion of installation and prior to its use. The Contractor planned to install a rain gauge on-site within the next two weeks. Please provide a follow-up photo upon completion of installation.
10/8/2020	Regular	Sediment Basin was in place and in good condition. Excavation has begun on P28 Lot 8, 9, and 10. At the time of the inspection, the NON-GROSSLY containment area bay had recieved excavated material determined by MIRA Enviromental Personnel Bob Thomas from potholing and trenching of P28 Lots 10, 9 and 8. Containment Area bay for GROSSLY material is still being constructed. MIRA installed bio socks at the perimeter of P28 from Lot 10 to Lot 8. The Contractor installed a rain gauge on-site.
10/23/2020	Regular	Ongoing excavation on P28 Lot 8, 9, and 10 by MIRA. At the time of the inspection, GROSSLY material was being excavated from SMH-C2 which was determined by MIRA Enviromental Personnel Bob Thomas. Observed the Containment Area Bays completed, including a dust barrier surrounding the Contanment Area Bays. Observed perimeter biosocks installed at P27 and P28 to be in good condition, with good housekeeping observed throughout the P28 work zones, including the two equip. staging areas. The Contractor installed a new and more advanced rain gauge on the harbor second floor office roof fronting the harbor.
11/6/2020	Regular	Ongoing excavation on P28 Lot 8, 9, and 10 by MIRA. At the time of the inspection, GROSSLY material was being excavated from SMH-C1 which was determined by MIRA Enviromental Personnel Bob Thomas. Observed the Containment Area Bays completed, including a dust barrier surrounding the Contanment Area Bays. Observed perimeter biosocks installed at P27 and P28 to be in good condition, with good housekeeping observed throughout the P28 work zones. Observed the two equipment staging areas to be in good condition with no signs of any fluid leaks. The Contractor new rain gauge is operational. Ref photo # 4. Observed concrete washout within the Non-Grossly Bay and General Housekeeping within the Storage Area, with both items corrected prior to inspection completion. Note: The concrete washout material was removed. Also, Joy (DOT-Harbors) observed cover stored material within the parking area. Being that the office construction is complete, it would be recommended that the covered stored material should be consolidated or removed from the job-site.
11/20/2020	Regular	Observed excavation on P28 Lot 6, Atlantis Parking Lot by MIRA. At the time of the inspection, Non-GROSSLY material was being excavated from the 24-inch Drain line Demo Trench, which was determined by MIRA Environmental Personnel Bob Thomas. A sight oily sheen was observed within the excavated trench with MIRA placing absorbent sheets in both the trench and the de-watering hole. Observed the Containment Area Bays and the P27 & P28 Perimeter Bio Socks to be in good condition. Also, Observed the two equipment staging areas to be in good condition with no signs of any fluid leaks. The Contractor new rain gauge is operational. Ref photo # 4. Observed concrete washout slurry within Lot 10 (Photo 7), Sawdust within Lot 1 workingzone (Photo P6) and Concrete debris within the NON-GROSSLY Bay (Photo P8). All three issues were resolved by the end of the workday, IDPP - Carol was on-site with the closing of two monitoring wells.

Summary of Construction Site BMP Inspections in 2020
H.C. 10545 - Utilities Improvement at Piers 24 to 28, Honolulu Harbor

Inspection Date	Type	Summary of Findings and Recommendations
12/4/2020	Regular	Observed the Containment Area Bays and the P27 & P28 Perimeter Bio Socks to be in good condition. Also, Observed the two equipment staging areas to be in good condition with no signs of any fluid leaks. Observed concrete washout bin onsite within Lot 1 trench drain. Observed and provide notice to Sam (MIRA) a pallet of concrete cure and 4-pals of tack cost stored within the material storage area without any secondary containment Ref photo #5, with no correction by the end of the work day. Also, observed the rain gauge monitor operational Ref: #3. Observed construction activities only within Lot 1; Containment Area and the Trench Drain Area, with the rebar cage prefabrication and the precasting of the concrete jackets. NO activities on P27 a& P28.
12/18/2020	Regular	* Observed the Containment Area Bays and the P27 & P28 Perimeter Bio Socks to be in good condition. Also, Observed the two equipment staging areas to be in good condition with no signs of any fluid leaks. * Inspected shipping container used for a storage area and observed the stored concrete cure within the shipping container with no secondary containment Ref photo 5 and improper fuel can storage Ref photo 4, * Observed concrete debris on Lot 1/ Regal Services asphalt pavement, which was corrected before the end of the workday. * General house keeping required within Lot 1 and Lot 10 with concrete debris. Observed construction activities only on P28 with WL-C installation including trench excavation, pipe installation and backfilling of trench. Excavated material is determined to be NON-GROSSLY by CEL, Hawaii Bob Thomas. Soil Observed soil samples taken by Bob Thomas for lab testing.

Summary of Construction Site BMP Inspections in 2020
H.C. 10669 - FY17 Pavement Repairs at Piers 51A and 51B Container Yard, Honolulu Harbor

Inspection Date	Type	Summary of Findings and Recommendations
3/18/2020	Initial	No stabilized construction ingress/egress was installed on-site, as it is deemed impractical for this project, which mainly involves pavement repair. Please ensure that ends of biosocks at staging area and surrounding drain inlets (Photo 3) have sufficient overlap of at least six inches. All on-site and adjacent drain inlets should be fitted with fabric filter and bermed with biosocks when applicable (Photos 1 and 2). This is the initial BMP inspection for this project. The Contract shall correct all listed findings prior to commencement of pavement repair. It is estimated that this project would likely be finished within one week. Contractor shall inform Harbors Division Project Engineer to schedule a final BMP inspection upon completion.
6/9/2020	Final	This is the final BMP inspection for this project. This project has been ongoing intermittently since March due to schedule coordination with the main user at Pier 51. The total length of this project was estimated no more than one week. A total of eight (8) areas have been repaved over (refer to the attached map).

Summary of Construction Site BMP Inspections in 2020
H.C. 10735.1 - Shed Demolition at Piers 31 to 34, Honolulu Harbor

Inspection Date	Type	Summary of Findings and Recommendations
6/8/2020	Initial	No contaminated/impacted soils are presumably presented during the construction phase of this project. However, portion of the electrical trenching works (revealed during a later discussion) may intersect OU1B, a petroleum-contaminated area managed by IDPP. Therefore, it is possible that impacted soil be encountered. If this is the case, please notify Harbors Environmental Section. Storage of contamianted soil shall be segregated from the clean one. The contractor shall handle and/or disposal of contaminated soil in accordance with HDOH rules and regulations. Concrete washout station was not setup at the time of the inspection. A Kiddie Pool like containment would be used to contain concrete washout. It is recommended that a spill kit be kept on-site to response to leaks/spills promptly. This is the initial BMP inspection for this project. All necessary BMPs are installed in place. From a safety perspective, it is recommended that boundaries of active project phase be clearly delineated/barricated (if all possible) and communicated with local pier users (e.g., Matson), to prevent unauthorized personnel from entering into project site. Other attendees include Da Teng from Harbors Division and Brian Teixeira from Close Construction, Inc.
8/3/2020	Regular	Concrete washout station was not setup at the time of the inspection. A Kiddie Pool containment would be used to contain concrete washout. It was instructed at the time of the inspection that, following the completion of each phased shed demolition, the perimeter biosocks could be repositioned to berm around the boundary of the next one provided that the disturbed soil is patched over and the area is clean of any construction debris.
10/5/2020	Regular	No further soil contamination other than what had been discussed previously, were encountered during on-site demolition and trench activities. Several storm drain inlet grates (Photos 8, 9, and 12) were filled with gravel and loose sediment at the time of inspection. Upon notification, the contractor cleaned them up right away. Follow-up photos were received on 10/6/2020 (Photos 13 to 16). Spill kit was not spotted at the time of the inspection. Please continue to keep one on-site. Follow-up photos were received on 10/6/2020.
10/19/2020	Regular	Fabric filter insert at one of the drain inlets partially fell in and tore apart(Photo 9) and needs to be replaced. Follow-up photos were received on 10/23/2020.
11/2/2020	Regular	Storm drain inlet protection at one of the drain inlets partially fell in and tore apart(Photo 7) and needs to be readjusted. Meanwhile, excessive sediment accummulation was observed next to several drain inlets (Photos 9, 11, and 14). Upon notification, the contractor promptly responsed to those findings and have them all fixed on the same day (Photos 8, 10, 12, and 15). An suspected illicit discharge was observed on-site near the water truck (Photo 14), when water from the parked leaking water tank flew into one of the drain inlets with significant amount of sediment accumulated close by. At the time, the drain inlet was fitted with inlet protection and sediment was contained inside. The contractor was advised to have the leaking joint fixed and parked away from any on-site storm drain system. Follow-up photos were received on the same day.
11/16/2020	Regular	Damaged inlet grate was observed on-site (Photo 5). If the inlet grate was damaged during the construction, it needs to be replaced/repaired. This project is coming to an end and the final BMP inspection has been tentatively scheduled on November 20 (time to be determined). Follow-up photos were received on the same day.
11/20/2020	Final	Noticed that the medallion stencils were not attached to the concrete frame at several storm drain inlets (Photo 4). Please reinstall these stencils. Significant amount of debris likely from construction activities was observed inside several storm drain inlets, location of which was verbally communicated with the Construction Contractor at the time of the inspection. Please clean up these drain inlets prior to the formal closure of this project. This is the final BMP inspection for this project. Follow-up photos were received on 12/3/2020.

Summary of Construction Site BMP Inspections in 2020
H.C. 10750 - FY19 Pavement Repairs at Piers 51C, 52, and 53 Container Yard, Honolulu Harbor

Inspection Date	Type	Summary of Findings and Recommendations
3/4/2020	Initial	No stabilized construction ingress/egress were installed on-site, as it is deemed impractical for this project, which mainly involves pavement repair. The biosock surround the inlet next to Auto Receiving Area was slightly off its position (Photo 4). Please reposition this piece of biosock to ensure that the inlet be fully bermed around prior to start of pavement repair at this area. This project may consist of two phases. It is estimated that this phase of project (pavement repair at a total of four locations shown on Photos 1 to 4) would likely be finished within a week. Contractor will inform Harbors Division Project Engineer to schedule a final inspection upon completion of this phase in the week of March 9.
3/18/2020	Final	Please ensure that ends of biosocks at staging area and surrounding drain inlets have sufficient overlap of at least six inches. This project consists of two phases. This inspection is considered a conditional final BMP inspection following the completion of Phase I. Contractor will inform Harbors Division Project Engineer to schedule another initial inspection when Phase II is scheduled to start in April if not sooner. BMP Inspection would be temporarily suspended for now. (Per further conversation with HAR-EC on 12/30/2020, Phase II of this project will be cancelled.)

Summary of Construction Site BMP Inspections in 2020
- Matson Sand Island Terminal Wharf and Yard Modifications Project, Honolulu Harbor

Inspection Date	Type	Summary of Findings and Recommendations
7/28/2020	Initial	A group of 250-IBCs stored inside the Staging Yard, were not properly marked (Photo 11). Upon notification, the Contractor responded to this finding promptly. Photo demonstrating corrective action taken, was received on 7/29/2020 (Photo 12). The Contractor has initiated their self-inspection with the first one conducted on 7/27/2020. Following notification, the Contractor relocated the rain gauge to an open area (Photo 4). This is the initial BMP inspection for the constructin phase involving demolition of the Electrical Substation at 53A. Follow-up photos were received on 7/29/2020.
10/5/2020	Regular	No active construction activities at the time of inspection. Inspection was conducted at Staging Yard.
10/19/2020	Regular	Please keep up NPDES NOI-C required recordkeeping including (but not limited to) rain precipitation log and weekly self-inspection checklists. Currently, on-site activities are temporarily on-hold, pending further coordinating response from Matson. Correspondingly, Harbors would like to suspend Construction Site Runoff Control BMP Inspection for now. Please continue to keep up the good housekeeping. And please notify Harbors Division when the project resumes in the near future.
11/6/2020	Regular	Insufficient biosocks overlap was observed (corrected at the time of the inspection). Please continue to keep up the good housekeeping condition.
11/16/2020	Regular	No findings. Please continue to keep up the good housekeeping condition.
11/30/2020	Regular	Insufficient biosocks overlap was observed (corrected at the time of the inspection). Please continue to keep up the good housekeeping condition.
12/14/2020	Regular	It is highly recommended that the metal trench shoring material (Photo 12) be covered with tarpaulin or plastic. Please continue to keep up the good housekeeping condition. Please continue the weekly BMP self-inspection and related recordkeeping.
12/28/2020	Regular	Please continue to keep up the good housekeeping practices and related recordkeeping. It is anticipated that this project be completed by the end of January 2021.

Summary of Construction Site BMP Inspections in 2020
- Matson Sand Island Terminal Crane Demolition and Repainting Project, Honolulu Harbor

Inspection Date	Type	Summary of Findings and Recommendations
1/6/2020	Regular	The aggregate materials used to buffer the impact from the controlled crane collapse are presumablely contaminated with lead following demolition, since the paint materials on crane were considered lead-containing material. No stabilized construction ingress/egress were installed at the entrance to the Controlled Collapse area as originally planned, since it was deemed impractical after project started. As an alternate the Contractor would increase sweeping frequency at this area to minimize loose sediment from leaving the job site. Perimeter biosocks were missing along the south boundary of the fenced up project site (Photo 14). Please note that before the sediment be fully cleaned out of the area, no perimeter biosocks should be repositioned. Meanwhile, please ensure all ends of biosocks overlap sufficiently (Photo 9). Please continue to update SWPPP when it is applicable (Photo 6) and keep one updated copy on-site.
1/13/2020	Regular	The drip pan placed underneath the air compressor was observed partially filled with rain water (Photo 2). Please empty the drip pan on a timely basis. No debris netting system was setup in place. However, Paceco's subcontractor confirmed that they would conduct their crane paint project and implement BMPs as stated in the submitted Drawings and Documents For Design Review (Task-A2).
1/27/2020	Regular	Minor debris was observed outside fence area on the south side (Photo 17). Please regularly clean up any debris accumulated along both sides of the fence. Paceco proposed to have a designated fueling station/vehicle on-site. Please amend the current SWPPP to include this activity change. In addition, the SWPPP should be amended to cover any adapted BMPs relating to the painting project. All amendment to the SWPPP should be completed on a timely basis and please refer to HAR 11-55, Appendix C, Section 7.4.2. A portable toilet was staged close to pier side at the time of the inspection (Photo 19). Please relocate this portable toilet at least 50 feet away from pier edge and storm drain system.
2/10/2020	Regular	Pieces of paint chips were observed outside fence area on the south side (Photo 18). Please regularly clean up any debris accumulated along both sides of the perimeter fence. The stockpile stored on-site was not fully covered at the time of inspection (Photo 19). Please reposition the tarpaulin to ensure that the stockpile would be fully covered at all time. It was revealed during the inspection that this stockpile will be relocated to a HC&D leased area at Pier 60, starting this week. The Contractor shall ensure that proper BMPs would be applied at new location to minimize runoff and cross contamination.
2/24/2020	Regular	Pieces of paint chips were observed along project boundary on the west and south (Photos 22 and 24). Please clean up any debris accumulated outside the perimeter fence on a timely basis. Several oil stains were observed on pavement at the time of inspection (Photo 13). Please clean up the spill/leak on a timely basis and to the extend that it would not generate a sheen when it rains.
3/9/2020	Regular	Fabric filter at trench drain location where stockpile used to be, appeared to be in deteriorated condition (Photo 15) and needed to be replaced. Debris of paint chips were observed next to the trench drain outside the fenced construction site on the west (Photo 22). Please cleanup these paint chips on a timly basis. Note that these paint chips potentially contained lead. Efforts shall take in place to prevent these type of debris from falling into adjacent trench drains, which if happens could constitute a potential violation to Clean Water Act.
3/23/2020	Regular	Trench drain adjacent to project site on the west was not fitted with fabric filter (Photo 18). Please check SWPPP and install fabric filter at least 50' extending from the project site boundary. The stockpile relocated to Pier 60 was not fully covered (Photo 2) probably due to gusty wind condition, and several spots along the perimeter biosocks lacked sufficient at least 6" overlap (Photo 4). Upon notification, biosocks were repositioned (Photo 5). Please check this stockpile at least daily to ensure that it would be fully covered at the end of working day. Please note that all non-compliance and related corrective actions shall be documented in contractor's self-inspection report and monthly compliance report (Photo 20).

Summary of Construction Site BMP Inspections in 2020
- Matson Sand Island Terminal Crane Demolition and Repainting Project, Honolulu Harbor

Inspection Date	Type	Summary of Findings and Recommendations
4/6/2020	Regular	The stockpile located at Pier 60 was not fully covered at the top (Photo 2), probably due to gusty wind condition, and one spot along the perimeter biosocks lacked sufficient overlap of at least 6" (Photo 4). Please check this stockpile at least daily to ensure that it would be fully covered and properly bermed around at the end of each working day. Please cleanup the wood shaving debris left on ground by the end of each working day (Photo 7). Keep up the good housekeeping condition. It is recommended that major changes to any on-site BMP setup be properly documented on contractor's self-inspection report, together with the justification.
6/1/2020	Regular	One stack of rusty steel plates was observed at Staging Area close to CM's field office (Photo 1). It is recommended that all rusty metals be stored covered and elevated from the ground to minimize their contact with rain waters. Please continue to keep up the good housekeeping condition.
8/3/2020	Regular	One piece of equipment was observed parked over pooled water adjacent to one of the storm trench drains (Photo 26). Please relocate this piece of equipment to a higher ground and away from storm trench drain when not in use. Some oil sheen (from unknown source) was observed on pooled water adjacent to one of the storm trench drain (Photo 25). Please continue to clean up any spill/leak on a timely basis and to the extend that it would not generate a sheen when it rains. Please continue to keep up the good housekeeping condition.
10/5/2020	Regular	Several fence gaps were observed along the east boundary of the project sites (Photos19, 20, and 24). Please reposition and reinstall fence properly to prevent unauthorized personnel from entering the project site. Several biosocks were in need of repair/replacement (Photos 19 and 21).
10/19/2020	Regular	Loose compost from biosocks appreared to have been released from their packaging (Photo 12). Please clean up these loose materials on a timely basis. This project is expected to complete sometime next week. Please keep Harbors Divisions notified when this project is ready for a final BMP inspection. If for any reason, the schedule of this project gets prolonged into November, next round of inspection will then be tentatively scheduled on November 2, 2020, starting at 0900.
10/30/2020	Final	Based Contractor's verbal confirmation, test results for the aggregate materials (used to buffer the impact from the controlled crane collapse) revealed that those materials can be reused. Some loose wooden chips were observed along pier edge (Photos 8 and 9). Upon notification, contractor did a prompt cleanup of the area (Photo 16). Some more sediment (Photo 10) and a concrete hunch (Photo 6) were observed in the area. Contractor needs to clean up these spots. Overall, the whole construction site had been swept up with some brown oil staining left on ground. Two areas were shown with visible pavement surface damages (Photos 11 and 12). AECOM and Paceco are to work with Matson to resolve this potential concern. This is the final BMP inspection for this project.

Attachment 12.a

List of Reviewed HDOT-Harbors Projects

Summary of HDOT Harbors Division Projects Reviewed in 2020

HC Number	Comment Date	NPDES Permit No	Project Location	Harbor	Project Title	Project Description	Exempt Project	Reviewed Documents and Remarks
HC 10545	7/30/2020	HIR10F906	Piers 24 to 28	Honolulu Harbor	Piers 24-28 Utilities Improvements at Honolulu Harbor	In general, the work shall include but not be limited to the following items of work: (A) Environmental Protection (B) Mobilization and demobilization (C) Coordination with HECO, Hawaiian Telcom, the Board of Water Supply, and the CCH DPP, the HDOT Harbors Division, and other private and government agencies. (D) Demolition and removal of existing asphalt concrete pavement, concrete pavement, and other structures. (E) Demolition and removal of existing utilities (water, sewer, drain, electrical). (F) Construction of Portland cement concrete pavement and asphalt concrete pavement. (G) Construction of water system improvements. (H) Construction of sewer system improvement. (I) Construction of electrical improvement, including light poles, electric boxes and conduits. (J) Handling and removal of contaminated materials. (K) Construction of chain link security fence and gates. (L) Signing and Striping. (M) All incidental items required to complete the work. (N) Any other work indicated on the Plans.	No	Site Specific BMP Plan
	9/17/2020						No	SWPPP
HC 10665	12/18/2020	N/A	Pier 15	Honolulu Harbor	Relocate Harbor Police to Former Fire Station at Pier 15, Honolulu Harbor.	This project is scoped to renovate existing structures at Pier 15 and convert it to Harbor Police Station.	Yes	Substructure Inspection Report Dock Document
HC 10671	2/13/2020	N/A	Piers 52 to 53	Honolulu Harbor	Repair Trench Drains at Piers 52 - 53	The work to be done includes, but is not necessarily limited to, the following major items of work: A. Mobilization and demobilization B. Replacing damaged steel grates and spacer bars C. Trench drain seat angle repairs	Yes	BMP Plan

Summary of HDOT Harbors Division Projects Reviewed in 2020

HC Number	Comment Date	NPDES Permit No	Project Location	Harbor	Project Title	Project Description	Exempt Project	Reviewed Documents and Remarks
HC 10679.2	3/6/2020	N/A	Oahu District Maintenance Baseyeard	Keehi Lagoon	Oahu District Baseyard Improvements	This project is scope to improvement the general conditions at Oahu District Baseyard.	No	Flood Frequency Analysis Draft Report
HC 10686	2/12/2020	N/A	Pier 19	Honolulu Harbor	Substructure and Waterline Repairs at Pier 19	The work to be done includes, but is not necessarily limited to, the following major items of work: A. Mobilization and demobilization B. Sounding of all concrete surfaces in the vicinity of the designated repair areas for spalls and delaminations. C. Repair of spalls and delaminations on the pier substructure along the waterline. D. Performing waterline repairs. E. Providing a Best Management Practices (BMP) Plan. F. Temporary water pollution, dust, and erosion control measures.	Yes	Preliminary Plans and Specifications
HC 10706		N/A	Pier 28	Honolulu Harbor	Repair Waterline at Pier 28, Honolulu Harbor	This project is scoped to repair waterline at Pier 28, Honolulu Harbor, Oahu. The work includes demolition and repair of pier waterlines and fire hydrant replacement.	Yes	BMP Plan
HC 10719	1/8/2020	N/A	Pier 10 Terminal	Honolulu Harbor	Repair Rooftop Air Conditioning Units at Pier 10 Terminal, Honolulu Harbor	This project is scoped to repair rooftop air conditioning units at Pier 10 Terminal of Honolulu Harbor.	Yes	BMP Plan
HC 10721	8/11/2020	N/A	Pier 1	Honolulu Harbor	Substructure and Pile Repairs at Pier 1, Honolulu Harbor	This project is scoped for substructure and pile repairs at Pier 1 of Honolulu Harbor	Yes	Removal and Disposal of Misc. Hazardous Wastes
	10/5/2020							BMP Plan
	10/22/2020							Revised BMP Plan

Summary of HDOT Harbors Division Projects Reviewed in 2020

HC Number	Comment Date	NPDES Permit No	Project Location	Harbor	Project Title	Project Description	Exempt Project	Reviewed Documents and Remarks
HC 10722	2/24/2020	N/A	Pier 1	Honolulu Harbor	Repair Water Laterals at Pier 1, Honolulu Harbor	The work consists of, but is not limited to, the following: A. Mobilization and demobilization B. Removal of existing waterline laterals, including valves, hanger assemblies, braces, etc., including cut and plug of existing waterline laterals at the existing waterline main, patching the existing bulkhead penetrations, and deck repair work. C. Removal of existing fuel lateral and fuel line in accordance to with hazardous materials removal procedures. D. Installation of waterline laterals, including valves, hanger assemlies, braces, tape wrapping, etc.; testing and disinfecting of the pipelines; and connections to existing water mains. Painting the top of the existing pressure relief panels at water lateral locations.	Yes	Preliminary Plans and Specifications
HC 10723	12/11/2020	N/A	Pier 2	Honolulu Harbor	Repair Sidewalk at Pier 2, Honolulu Harbor	This project is scoped to repair sidewalk at Pier 2, Honolulu Harbor.	Yes	SSBMP Plan
HC 10727	1/6/2020	N/A	Pier 11 Shed	Honolulu Harbor	Repair Tile Roof at Pier 11 Shed	Repair tile roof at Pier 11 Shed, Honolulu Harbor.	Yes	Lead-Containing Paint Removal Work Plan; Asbestos Removal and Disposal Work Plan (Revised)
	1/28/2020							Lead-Containing Paint Removal Work Plan (revised 1/22/2020)
	1/29/2020							BMP Environmental Protection Plan
	2/7/2020							Revised BMP Environmental Protection Plan
HC 10730	5/20/2020	N/A	KBPH	KBPH	Repair Fencing at Kalaeloa Barbers Point Harbor	Repair fencing at Kalaeloa Barbers Point Harbor.	Yes	BMP Plan
	8/4/2020							Revised BMP Plan
HC 10733	9/9/2020	N/A	Fort Armstrong	Honolulu Harbor	FY19 One Year Maintenance Contract for Pavement Repairs at Fort Armstrong	This project is scoped for pavement repairs at Fort Armstrong for FY19	Yes	BMP Plan

Summary of HDOT Harbors Division Projects Reviewed in 2020

HC Number	Comment Date	NPDES Permit No	Project Location	Harbor	Project Title	Project Description	Exempt Project	Reviewed Documents and Remarks
HC 10735.1	2/3/2020	N/A	Piers 31 to 34	Honolulu Harbor	Demolish Shed at Piers 31 to 34	Demolish shed at Piers 31 to 34.	No	Hazardous Materials Assessment Survey
	6/5/2020							Demolition and Removal Work Plan Health and Safety Plan Removal and Disposal of Asbestos-Containing Materials Removal Cleaning and Disposal of Lead Removal and Disposal of Various Materials BMP Plan
	6/8/2020							Removal and Disposal of Asbestos Industrial Hygienist Certificates
HC 10738	6/24/2020	N/A	Pier 11 Shed	Honolulu Harbor	Repair Mezzanine Roof and Railings at Pier 11 Shed	Repair Mezzanine Roof and Railings at Pier 11 Shed	Yes	BMP Plan
HC 10742	5/5/2020	N/A	Corner of Ala Moana Boulevard and Forrest Avenue and Chiller Yard at Pier 1	Honolulu Harbor	Fence Repairs at Honolulu Harbor	The scope of work for this project consists of new fencing installed at Harbors Division Property located on the corner of Ala Moana Boulevard and Forrest Avenue, and their chiller yard at Pier 11. These areas will include concrete fence post foundation, new chain link fabric and fittings, and gates	Yes	BMP Plan
HC 10743	4/7/2020	N/A	Pier 17 Connector Road	Honolulu Harbor	Replacement of Bullrails at Pier 17 Connector Road	The scope of work consists of replacing the bullrails at Pier 17 Connector Road, Honolulu Harbor. The work consists of, but not limited to, the following: A. Removing and disposing the existing timber bullrails, timber blocks, anchor bolts, muts and washers. B. Installing new plastic lumber bullrails, new plastic lumber blocks, new anchor bolts, new nuts and washers.	Yes	BMP Plan
HC 10748	4/8/2020	N/A	Pier 10 Shed	Honolulu Harbor	Install Roll-Up Door at Pier 10 Shed	The scope of work consists of installing roll-up door at Pier 10 Shed.	Yes	BMP Plan

Summary of HDOT Harbors Division Projects Reviewed in 2020

HC Number	Comment Date	NPDES Permit No	Project Location	Harbor	Project Title	Project Description	Exempt Project	Reviewed Documents and Remarks
HC 10749	11/4/2020	HIR10F894	Piers 51A & 51B	Honolulu Harbor	FY19 One Year Maintenance Contract for Pavement Repairs at Piers 51A & 51B	This project is scoped to provide FY19 maintenance for pavement repairs at Piers 51A & 51B.	No	BMP Plan
HC 10756	5/20/2020	N/A	Oahu District Baseyard	Keehi Lagoon	Roof Repairs at Oahu District Baseyard	The scope of work consists of repairing roof at Oahu District Baseyard, Honolulu Harbor.	Yes	BMP Plan
HC 10757	4/9/2020	N/A	Pier 2 Terminal	Honolulu Harbor	Roof Repairs at Pier 2 Terminal	The scope of work consists of preparing a portion of the existing transite roofing and riberglass skylight surfaces and placing a liquid-applied roofing system at the Pier 2 Terminal building, Honolulu Harbor.	Yes	Preliminary Plans and Specifications
	9/25/2020							BMP Plan
HC 10758	10/14/2020	N/A	Piers 1 and 2	Honolulu Harbor	Removal and Reinstallation of Security Facilities at Honolulu Harbor	This project is scoped to remove crash barrier gates, guard shacks, light pole, and CCTV pole; and install new guard shacks at Piers 1 and 2, Honolulu Harbor	Yes	BMP Plan
	10/28/2020							Revised BMP Plan
HC 10759	10/9/2020	N/A	Pier 2 Terminal	Honolulu Harbor	Replace Emergency Generator Fuel Tank at Pier 2 Terminal	The scope of work includes removing all fuel and electrical piping connected to the fuel tank, removing & hauling away 6,000-gallon fuel tank for disposal, replacing with a temporary fuel tank, installing a new 1,000-gallon fuel tank, and reconnecting all fuel and electrical piping to the fuel tank.	Yes	BMP Plan
	10/28/2020							Revised BMP Plan
HC 10762	2/26/2020	N/A	Piers 31 and 51 to 53	Honolulu Harbor	Repair Trench Drains at Piers 31 and 51 to 53	The work to be done on this project consists of furnishing all labor, materials, equipment and other expenses required to make trench drain repairs at Piers 31 and 51 to 53 at Honolulu Harbor. The work consists of, but is not limited to, the following: A. Mobilization and Demobilization. B. Demolition and removal of existing permanent BMPs within the trench drains at Pier 31. C. Installation of trench drain and grate inlet filters at Piers 31 & 51-53. D. Installation of rumble strip at Pier 31 entrance.	No	Preliminary Plans and Specifications

Summary of HDOT Harbors Division Projects Reviewed in 2020

HC Number	Comment Date	NPDES Permit No	Project Location	Harbor	Project Title	Project Description	Exempt Project	Reviewed Documents and Remarks
HC 10763	1/20/2020	N/A	Pier 36	Honolulu Harbor	Substructure Repairs at Pier 36	The scope of work for this project consists of repairing spalls on the pier substructure. The work to be done includes, but is not necessarily limited to, the following major items of work: A. Mobilization and demobilization. B. Sounding of all concrete surfaces in the vinicity of the designated repair areas for spalls and delamination. C. Repair of spalls and delaminations on the pier substructure. Concrete repairs at the fascia beams involve removal and reinstallation of existing fenders. D. Providing a Best Management Practices (BM)) plan. E. Temporary water pollution, dust, and erosion control measures.	Yes	Preliminary Plans and Specifications
	12/4/2020							BMP Plan
HC 10764	2/28/2020	N/A	Pier 39	Honolulu Harbor	Repair Concrete Pavement at Pier 39	The scope of work for this project consists of repairing concrete pavement slabs in the container yard of Pier 39 at Honolulu Harbor.	Yes	Preliminary Plans and Specifications
	9/25/2020							BMP Plan
HC 10765	2/12/2020	N/A	Pier 40D	Honolulu Harbor	Substructure Repairs at Pier 40D	The work to be done includes, but is not necessarily limited to, the following major items of work: A. Mobilization and demobilization B. Sounding of all concrete surfaces in the vicinity of the designated repair areas for spalls and delaminations. C. Repair of spalls and delaminations on the reinforced concrete pile cap and sheet pile surfaces. Concrete repairs at the pile cap may involve removal and reinstallation of existing fenders. D. Providing a Best Management Practices plan E. Temporary water pollution, dust, and erosion control measures.	Yes	Preliminary Plans and Specifications
	11/25/2020							BMP Plan

Summary of HDOT Harbors Division Projects Reviewed in 2020

HC Number	Comment Date	NPDES Permit No	Project Location	Harbor	Project Title	Project Description	Exempt Project	Reviewed Documents and Remarks
HC 10766	2/10/2020	N/A	Piers 51C to 53	Honolulu Harbor	Repair Waterline at Piers 51C to 53, Honolulu Harbor	The work consists of, but is not limited to, the following: A. Mobilization and demobilization B. Removal of existing waterline laterals, including valves, hatches, hanger assemblies, braces, connections, etc. C. Installation of new waterline laterals, including valves, hatches, hanger assemblies, braces, tape wrapping, valve boxes etc.; testing and disinfecting of the pipelines; and connections to existing water laterals at the bulkhead.	Yes	Preliminary Plans and Specifications
HC 10778	7/21/2020	N/A	Aloha Tower at Pier 9	Honolulu Harbor	Repair Pipe Mast at Aloha Tower, Honolulu Harbor	The scope of work includes, but is not limited to, the following major items of work: 1. Mobilization and demobilization 2. Removal of corrosion at steel angles, existing concrete and grout, steel collar repairs, and corrosion at fins and mast. 3. Drill & epoxy stainless steel anchor bolts 4. Replace concrete grout 5. Structural steel work 6. Painting	Yes	BMP Plan
HC 10779	3/19/2020	N/A	Pier 10 Shed	Honolulu Harbor	Repair Railings at Pier 10 Shed, Honolulu Harbor	The scope of work consists of replacing a portion of the existing chain link railings with new steel railings at the Pier 10 mezzanine area, Honolulu Harbor.The work to be done includes, but is not necessarily limited to, the following major items of work: A. Mobilization and demobilization B. Replacing removable railings on the mezzanine. C. Repairing concrete spalls and delaminations in the vicinity of railing repair work. D. Providing a BMP Plan. E. Temporary water pollution, dust, and erosion control measures.	Yes	Preliminary Plans and Specifications
	12/11/2020							BMP Plan

Summary of HDOT Harbors Division Projects Reviewed in 2020

HC Number	Comment Date	NPDES Permit No	Project Location	Harbor	Project Title	Project Description	Exempt Project	Reviewed Documents and Remarks
HC 10780	5/19/2020	N/A	Pier 11 Terminal	Honolulu Harbor	Repair Fire Alarm System at Pier 11 Terminal, Honolulu Harbor	The scope of work consists of replacing the existing fire alarm system at the Pier 11 Terminal, Honolulu Harbor. The work to be done includes, but is not necessarily limited to, the following major items of work: A. Mobilization and demobilization B. Proper removal and disposal of the existing fire alarm system and related appurtenances and provision/installation of a new fire alarm system and related appurtenances.	Yes	Pre-Final Design Plans, Specifications, and Estimate
HC 10781	9/30/2020	N/A	Pier 51	Honolulu Harbor	Repair Electrical Panels at Pier 51	This project is scoped for electrical panel repairs at Pier 51, Honolulu Harbor	Yes	BMP Plan
HC 10782	1/13/2020	N/A	Pier 7	KBPH	Replace Water Valve at Pier 7 at Kalaeloa Barbers Point Harbor	This project includes the replacement of a 12" water valve at Pier 7 of Kalaeloa Barbers Point Harbor.	Yes	Site Specific BMP Plan
HC 10787	9/17/2020	N/A	Pier 18	Honolulu Harbor	Pier 18 Improvements	This project is scoped for Pier 18 improvements	Yes	(85%) Plans, Specifications and Proposal, and Cost estimate
	12/15/2020							(100%) Plans, Specifications and Proposal, and Cost estimate
HC 10789	2/21/2020	N/A	Fort Armstrong	Honolulu Harbor	FY20 One-Year Maintenance Contract for Pavement Repairs at Fort Armstrong, Honolulu Horbor	The major items of work to be done include, but are not limited to the following: A. Removal and disposal of damaged asphalt pavement and basecourse material. B. Grading and recompacting existing base course material. C. Cleaning the work area of all loose and objectionable materials. D. Applying new bituminous tack coats. E. Placing new Superpave 19mm or State Mix III, and State Mix V hot mix asphalt pavement. F. Placing new subbase materials. G. Placing new pavement markings.	Yes	Preliminary Plans and Specifications
	12/7/2020							BMP Plan
HC 10809	10/14/2020	N/A	Pier 53	Honolulu Harbor	Repair Light Poles at Pier 53 Stevedore Parking, Honolulu Harbor	The scope of work consists of replacing six (6) parking lot light poles, luminaires, concrete pedestals, and related appurtenances at the Pier 53 Stevedore parking lot along the Sand Island Road.	Yes	Pre-Final Design Plans, Specifications, and Estimate

Attachment 12.b

List of Reviewed HDOT-Harbors Tenant Projects

Summary of HDOT Harbors Division Tenant Projects Reviewed in 2020

Tenant	Comment Date	NPDES Permit No	Project Location	Harbor	Project Title	Project Description	Exempt Project	Reviewed Documents and Remarks
Par Hawaii Refining	2/11/2020	N/A	Piers 5 and 6	KBPH	Barbers Point Harbor Piers 5 and 6 Repairs	This project consists of replacement of pipeline support hangers on the Jet, Gasoline, ULSD, Diesel, and Black Oil piping at Piers 5 and 6. Replacement on Pipe Stop of Black Oil Pipeline leading into valve box Hatch "A" and inspection and repair of pipeline at Bulk Head wall under Pier 5. There is no planned earth disturbance. A small amount of localized concrete repair will be performed. Damage to existing coating will be repaired by removal of old coating, removal of corrosion by mechanical means and wrapping the pipeline with bitumastic and polykin tape coat. The Black Oil pipeline repairs will be by methanical cleaning grinding or wire brush. New recoat will be Denso Protal 7200.	Yes	Site Specific BMP Plan
	5/8/2020							Revised Site Specific BMP Plan
Matson Terminals, Inc.	1/27/2020	N/A	Piers 51C - 53	Honolulu Harbor	MGM Cranes M4 & M5 Relocation	This project is scoped to roll M4 back at Pier 53 Extention to allow modified M3 to pass and back to service, and to roll M5 back at Pier 52 to allow three new Mitsui cranes (N1, N2, & N3) to pass. After that, M5 will be moved back to Pier 52 gantry rails and move along the rails to Pier 51 for modification.	Yes	Drawings and Documents for Design Review (Task-A2)
	5/12/2020							Specification: STS Crane - Move System Environmental Plan (BMP)
Island Energy Services	9/21/2020	N/A	Pier 29	Honolulu Harbor	Tank Maintenance at Pier 30	IES Downstream, LLC who owns and operates the tank farm at 777 N. Nimitz Highway (also known as Pier 30) will be performing tank maintenance on one of product storage tanks. IES is requesting access to DOT Harbors Pier 29 property to bring materials in and out of our tank farm by lifting equipment and materials over the 15-foot high containment wall.	Yes	HTM T-4 Material Handling Plan
Island Energy Services	10/30/2020	N/A	Pier 31	Honolulu Harbor	Vacuum Truck for Pier 31 Valve Boxes	IES Downstream, LLC who owns and operates the tank farm at 777 N. Nimitz Highway (also known as Pier 30) will be performing valve boxes maintenance at Pier 31. In addition, they would like to drill a 1" hole in each box that could be plugged if required, which would allow rain water drain out of the boxes to eliminate the need for repeated evacuation.	Yes	Plan and Request Review

Summary of HDOT Harbors Division Tenant Projects Reviewed in 2020

Tenant	Comment Date	NPDES Permit No	Project Location	Harbor	Project Title	Project Description	Exempt Project	Reviewed Documents and Remarks
Phoenician	11/4/2020	N/A	Pier 1	KBPH	New Deck at Haulout	Phoenician is requesting to install a haulout deck adjacent to their current leased area at Kalaeloa Barbers Point Harbor.	Yes	Plan and Request Review

Attachment 13

Kalaeloa Barbers Point Harbor Stockpile Inspection Report

2020 ANNUAL STOCKPILE INSPECTION
KALAELOA BARBERS POINT HARBOR
HAWAII STATE OF TRANSPORTATION, HARBORS DIVISION

Date of Inspection: December 3, 2020 **Inspector (HAR-EE)**: Joy Zhang

An annual inspection of the coral stockpiles 1, 2A, 2B, 2C, 3, 4, and 5 at Kalaeloa Barbers Point Harbor (KBPH) was conducted to determine the general condition of the chemical stabilization, sediment barriers and natural vegetation barriers. Chemical stabilization and sediment barriers were last applied to Stockpiles 3 and 4 in November 2012. Stockpile 5 received chemical stabilization treatment in February 2014. Removal of Stockpile 2A by D. R. Horton ceased in 2018 due to unsuitability of the dredged materials encountered at lower depths. Chemical stabilization was then applied to Stockpile 2A in August 2018, in conjunction with runoff control BMPs to enhance on-site infiltration.

Natural vegetation growth increased substantially at most of the stockpiles due to ample rainfall received over the past year. Vegetation growth has stabilized much of the bottom slope areas and reduces bio-socks exposure to the elements – enhancing and prolonging their effectiveness. Vegetation growth has also served to stabilize most of the sloped areas around the remaining stockpiles.

Stockpile 1: This stockpile was completely removed by Kapolei Development earlier in 2015. As shown in Photo 1, the site is sloped inward to retain runoff and vegetation has been continuously growing over the site.



Photo 1: Overview of former site of Stockpile 1 from Pier 10 (facing northeast). Sparse vegetation was observed on-site.

Stockpile 2A: As reported in previous Annual Compliance Report (ACR), D.R. Horton obtained approval of their NPDES NOI-C permit, Storm Water Pollution Prevention Plan (SWPPP) and other necessary DOT-Harbors approvals and commenced removal of stockpile material from Stockpile 2A in March 2017. Removal operations continued through August 2018 and regular inspections (i.e., bimonthly from April to September and biweekly during the rest of the year) by Harbors Property Management (HAR-PM) and the Engineering Environmental Section (HAR-EE) were conducted to ensure compliance with the Right-of-Entry (ROE) Agreement and to promote the compliance with the NPDES NOI-C permit. A detailed discuss could be found in 2018 Stockpile Inspection Report, which is included in the 2018 ACR.

The current condition of Stockpile 2A is shown in Photos 2 to 9. Signs of runoff erosion were observed along the side of driving ramp to the top of Stockpile 2A (Photo 4). Vegetation growth increased substantially in the middle along the down slope (Photo 6). Sparse vegetation started at the top of Stockpile 2A (Photos 5 and 8). Majority of south and north sides of the slope were continuing to be covered by thick vegetation (Photos 1 and 7). Even though, evident of runoff erosion was observed, the raised-berm along the top edge, existing vegetation, and oil stabilizer appeared to efficient in minimizing wind erosion. Therefore, re-application of chemical stabilization is not recommended.



Photo 2: Stockpile 2A sit on the right side of the paved road, heavily vegetated on the south side, with biosocks placed at the foot of the hill (facing northwest).



Photo 3: View of entrance to former site of Stockpiles 1 and 2A, blocked with one piece of hexagon concrete foundation pile (facing northwest).



Photo 4: View of access road to top of Stockpile 2A. Loose gravel likely brought down by heavy rain scattered down the slope (facing east-southeast).



Photo 5: Top of Stockpile 2A along raised-berm perimeter, covered by sparse vegetation (facing southeast).



Photo 6: View of the top of the vegetated slope in the middle of Stockpile 2A (facing southeast).



Photo 7: View of the north side of Stockpile 2A, heavily vegetated (facing east-southeast).



Photo 8: Another view of north side of Stockpile 2A, heavily vegetated (facing north).



Photo 9. Another view of the top of Stockpile 2A (facing northwest). Piles of rocks and two pieces of biosocks left on site.

Stockpiles 2B and 2C: Vegetation growth seems to be continued around and between Stockpiles 2B and 2C (Photos 10 to 12). There were no signs of erosion - so re-application of chemical stabilization is not recommended.



Photo 10: Overview of Stockpile 2B, heavily vegetated (facing southeast).



Photo 11: North side of Stockpiles 2B and 2C, heavily vegetated (facing southwest).



Photo 12: South side of Stockpile 2C, heavily vegetated (facing north).

Stockpile 3: The vegetation growth was again found to be heavy at the base of and along the slope of Stockpile 3 as was observed in the past and continues to provide very effective, natural erosion control (Photos 13 to 15). The heavy vegetation is also protecting the bio-socks from the elements. The bio-socks which are laid inside concrete pile butts are hardly visible but in good condition and do not require replacement.



Photos 13: View of the north side of Stockpile 3, heavily vegetated (facing southwest).



Photos 14: Overview of the south side of Stockpile 3 (facing northeast).



Photo 15: View of the entrance to Stockpile 3, heavily vegetated (facing southwest).

Stockpile 4: The vegetation growth around the base perimeter of Stockpile 4 has grown thicker and taller than was observed last year around the same time (Photos 16 to 18), if not less. The thick vegetative growth provides effective erosion control and protects the bio-socks from the elements. The small size of this stockpile combined with the vegetation growth and lack of any evidence of erosion precludes the need to re-apply chemical stabilization to this stockpile.



Photo 16: Heavy vegetation growth around north side of Stockpile 4 (facing southwest).



Photo 17: Heavy vegetation along west side of Stockpile 4 (facing south-southeast).



Photo 18: Heavy vegetation along the south side of Stockpile 5 (facing northeast).

Removal of Stockpiles 3 & 4. As documented in 2019 ACR, the DOT Harbors Division terminated the Department of Hawaiian Home Lands (DHHL) Right-of-Entry (ROE) due to inactivity in 2017. Feasibility of re-purposing the dredged material at Stockpiles 3 & 4 – as well as Stockpiles 2A, 2B & 2C - in support of the development of KBPH in accordance with its 2040 master plan, is still underway. Removal of Stockpiles 3 & 4 is essential as their current locations will impede the development of the eastern side of KBPH.

Stockpile 5: Stockpile 5 was again found to have signs of runoff erosion - and possibly wind erosion as well – as was observed in the past (Photos 19 to 21). The sediment eroded by storm water from this site is contained in a downstream drainage/retention basin with considerable vegetative growth and quite far from the ocean - thus minimizing the risk of the stockpile material reaching nearby waterways and the ocean. Chemical stabilization reapplication at Stockpile 5 are recommended upon further consultation with Oahu District, which would then be implemented when funding becomes available.



Photo 19: View of entrance to Stockpile 5 from Malakole Street (facing east-northeast).



Photo 20: Overview of Stockpile 5, covered by sparse vegetation (facing northeast).



Photo 21: View of the valley bounded by Stockpile 5, heavily vegetated (facing northwest).

Summary & Recommendations: It appears that the rain precipitation at Kalaeloa during 2020 sustained vegetative growth on and around former Stockpile 1 area, and Stockpiles 2A, 2B, 2C, 3 & 4 that continue to stabilize the stockpiles and, in conjunction with existing BMPs (concrete pile butts and bio-socks), provide adequate wind and soil erosion protection. This growth largely eliminates the need for re-application of chemical stabilizing agents at majority of the

stockpiles. The vegetation has also served to prolong the life of most of the bio-socks by limiting their exposure to the elements.

Application of soil stabilization is recommended for Stockpile 5 upon further consultation with Oahu District Office and then implemented when funding becomes available. Re-purposing of the remaining Stockpile 2A material as well as those from other KBPH stockpiles is still underway for potential use by DOT-Harbors KBPH development projects.

Attachment 14

MS4 and Permanent BMP Inspection Log

Attachment 14.
MS4 and Permanent BMP Inspection Log

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Actual Start	Actual Finish	Location
8486	Inspect Comprehensive & Clean BMP	3	CLOSED	McLean, Robert	01/30/2020 12:19	02/29/2020 12:19	02/26/2020 08:30	02/26/2020 08:45	HO29, Pier 29 yard
9428	Inspect Comprehensive & Clean BMP	3	CLOSED	Iannaccio, Chelsea	12/7/2020 10:33	01/6/2021 10:33	12/8/2020 12:00	12/8/2020 01:32	Pier 35

Attachment 15.a

Storm Drain Screening Inspection Log

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14458	Storm Inlet Insp Screening	12/11/2020 11:24	McLean, Robert	CLOSED		HO22,	12/11/2020 11:22		HONOLULU HARBOR	INLET STATUS	SDIHO222802	703	Followup Work Not Required
14341	Storm Inlet Insp Screening	10/26/2020 03:11	Inouye, Ken	CLOSED		HO08, Aloha Tower Market Place parking lot	10/26/2020 03:09	9313	HONOLULU HARBOR	INLET STATUS	SDIHO081240	240	Followup Work Not Required
14445	Storm Inlet Insp Screening	10/26/2020 10:30	McLean, Robert	CLOSED		HO20, Ferry Terminal	10/26/2020 10:26	9362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO202703	191	Followup Work Not Required
14446	Storm Inlet Insp Screening	10/26/2020 06:30	McLean, Robert	CLOSED		HO20, Ferry Terminal	10/28/2020 05:35	9313	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO202701	205	Followup Work Not Required
14344	Storm Inlet Insp Screening	10/21/2020 07:00	McLean, Robert	CLOSED		HO30,	10/28/2020 05:43	9313		INLET STATUS	SDIHO313904	521	Followup Work Not Required
14340	Storm Inlet Insp Screening	10/13/2020 10:30	McLean, Robert	CLOSED		HO26, Pier 26	10/13/2020 10:24	9313	HONOLULU HARBOR	INLET STATUS	SDIHO263592	136	Followup Work Not Required
14343	Storm Inlet Insp Screening	10/13/2020 07:15	McLean, Robert	CLOSED	Hirano, Elmer	HO18, Pier 18	10/13/2020 12:00	9313	HONOLULU HARBOR	INLET STATUS	SDIHO182306	439	Followup Work Required
14345	Storm Inlet Insp Screening	10/12/2020 01:00	Shimizu, Paul	CLOSED		HO53, CFS#2	10/12/2020 01:27	9313	HONOLULU HARBOR	INLET STATUS	SDIHO538912	673	Followup Work Required
14339	Storm Inlet Insp Screening	10/12/2020 01:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	10/12/2020 01:28	9313	HONOLULU HARBOR	INLET STATUS	SDIHO517802	61	Followup Work Required
14338	Storm Inlet Insp Screening	10/12/2020 10:50	McLean, Robert	CLOSED		HO38, Commercial Fishing Village	11/2/2020 09:32	9313	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO385059	3	Followup Work Not Required
13939	Storm Inlet Insp Screening	08/28/2020 03:54	Kaili, Kahea	CLOSED		HO18, Pier 18	08/28/2020 03:52	8977	HONOLULU HARBOR	INLET STATUS	SDIHO182306	439	Followup Work Not Required
13883	Storm Inlet Insp Screening	08/28/2020 03:48	Kaili, Kahea	CLOSED		HO18, Pier 18 roadway and parking area	08/28/2020 03:54	8977	HONOLULU HARBOR	INLET STATUS	SDIHO182422	367	Followup Work Not Required
13885	Storm Inlet Insp Screening	08/28/2020 03:48	Kaili, Kahea	CLOSED		HO18, Pier 18 roadway and parking area	08/28/2020 03:45	8977	HONOLULU HARBOR	INLET STATUS	SDIHO182420	369	Followup Work Not Required
13886	Storm Inlet Insp Screening	08/28/2020 03:33	Kaili, Kahea	CLOSED		HO18, Pier 18 roadway and parking area	08/28/2020 03:31	8977	HONOLULU HARBOR	INLET STATUS	SDIHO182430	370	Followup Work Not Required
13884	Storm Inlet Insp Screening	08/28/2020 03:33	Kaili, Kahea	CLOSED		HO18, Pier 18 roadway and parking area	08/28/2020 03:30	8977	HONOLULU HARBOR	INLET STATUS	SDIHO182432	368	Followup Work Not Required
13887	Storm Inlet Insp Screening	08/28/2020 03:32	Kaili, Kahea	CLOSED		HO18, Parking lot between Pier 19 shed and Nimitz Highway	08/28/2020 03:30	8977	HONOLULU HARBOR	INLET STATUS	SDIHO182434	371	Followup Work Not Required
13778	Storm Inlet Insp Screening	08/28/2020 01:43	Kaili, Kahea	CLOSED		HO19, Pier 19 Shed	08/28/2020 03:44	8977	HONOLULU HARBOR	INLET STATUS	SDIHO192410	219	Followup Work Not Required
13881	Storm Inlet Insp Screening	08/28/2020 01:42	Kaili, Kahea	CLOSED		HO18, Pier 18 Hawaii Pilots Association	08/28/2020 03:54	8977	HONOLULU HARBOR	INLET STATUS	SDIHO182302	365	Followup Work Required
13880	Storm Inlet Insp Screening	08/28/2020 01:41	Kaili, Kahea	CLOSED		HO18, Pier 18	08/28/2020 03:53	8977	HONOLULU HARBOR	INLET STATUS	SDIHO182304	364	Followup Work Not Required
13882	Storm Inlet Insp Screening	08/28/2020 01:40	Kaili, Kahea	CLOSED		HO18, Pier 18, Harbors Division Custodial Unit	08/28/2020 03:52	8977	HONOLULU HARBOR	INLET STATUS	SDIHO182320	366	Followup Work Not Required
13879	Storm Inlet Insp Screening	08/28/2020 01:39	Kaili, Kahea	CLOSED		HO18, Pier 18	08/28/2020 03:51	8977	HONOLULU HARBOR	INLET STATUS	SDIHO182308	363	Followup Work Not Required
13878	Storm Inlet Insp Screening	08/28/2020 01:38	Kaili, Kahea	CLOSED		HO18, Pier 18	08/28/2020 03:51	8977	HONOLULU HARBOR	INLET STATUS	SDIHO182310	360	Followup Work Required
14068	Storm Inlet Insp Screening	08/28/2020 01:32	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:17	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO385003	4	Followup Work Not Required
14067	Storm Inlet Insp Screening	08/28/2020 01:29	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:18	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO385059	3	Followup Work Not Required
14066	Storm Inlet Insp Screening	08/28/2020 01:22	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:18	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO385057	2	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13655	Storm Inlet Insp Screening	08/28/2020 01:21	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:18	8977	HONOLULU HARBOR	INLET STATUS	SDIHO384902	47	Followup Work Not Required
13654	Storm Inlet Insp Screening	08/28/2020 01:19	Kaili, Kahea	CLOSED		H38, Commercial Fishing Village	08/28/2020 03:19	8977	HONOLULU HARBOR	INLET STATUS	SDIHO385102	46	Followup Work Not Required
14069	Storm Inlet Insp Screening	08/28/2020 01:18	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:19	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO385107	5	Followup Work Not Required
13659	Storm Inlet Insp Screening	08/28/2020 01:18	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:21	8977	HONOLULU HARBOR	INLET STATUS	SDIHO385152	51	Followup Work Not Required
13660	Storm Inlet Insp Screening	08/28/2020 01:16	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:22	8977	HONOLULU HARBOR	INLET STATUS	SDIHO385154	52	
13644	Storm Inlet Insp Screening	08/28/2020 01:15	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:24	8977	HONOLULU HARBOR	INLET STATUS	SDIHO384822	36	Followup Work Not Required
13645	Storm Inlet Insp Screening	08/28/2020 01:14	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:25	8977	HONOLULU HARBOR	INLET STATUS	SDIHO384820	37	Followup Work Not Required
13646	Storm Inlet Insp Screening	08/28/2020 01:12	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:26	8977	HONOLULU HARBOR	INLET STATUS	SDIHO384816	38	Followup Work Not Required
13647	Storm Inlet Insp Screening	08/28/2020 01:12	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:29	8977	HONOLULU HARBOR	INLET STATUS	SDIHO384814	39	Followup Work Not Required
13648	Storm Inlet Insp Screening	08/28/2020 01:11	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:27	8977	HONOLULU HARBOR	INLET STATUS	SDIHO384812	40	Followup Work Not Required
13650	Storm Inlet Insp Screening	08/28/2020 01:10	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:27	8977	HONOLULU HARBOR	INLET STATUS	SDIHO384808	42	Followup Work Not Required
13649	Storm Inlet Insp Screening	08/28/2020 01:10	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:28	8977	HONOLULU HARBOR	INLET STATUS	SDIHO384806	41	Followup Work Not Required
13651	Storm Inlet Insp Screening	08/28/2020 01:09	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:27	8977	HONOLULU HARBOR	INLET STATUS	SDIHO384704	43	
13652	Storm Inlet Insp Screening	08/28/2020 01:08	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:26	8977	HONOLULU HARBOR	INLET STATUS	SDIHO384706	44	Followup Work Not Required
13653	Storm Inlet Insp Screening	08/28/2020 01:07	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:25	8977	HONOLULU HARBOR	INLET STATUS	SDIHO384708	45	Followup Work Not Required
13643	Storm Inlet Insp Screening	08/28/2020 01:07	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:23	8977	HONOLULU HARBOR	INLET STATUS	SDIHO384710	35	Followup Work Not Required
13641	Storm Inlet Insp Screening	08/28/2020 01:06	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:22	8977	HONOLULU HARBOR	INLET STATUS	SDIHO384608	33	Followup Work Not Required
13642	Storm Inlet Insp Screening	08/28/2020 01:04	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	08/28/2020 03:23	8977	HONOLULU HARBOR	INLET STATUS	SDIHO384606	34	Followup Work Not Required
13676	Storm Inlet Insp Screening	08/27/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/27/2020 08:04	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517900	75	Followup Work Not Required
13668	Storm Inlet Insp Screening	08/27/2020 08:00	Shimizu, Paul	CLOSED		HO51A, Sand Island	08/27/2020 11:32	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517852	65	Followup Work Not Required
13783	Storm Inlet Insp Screening	08/26/2020 10:41	Inouye, Ken	CLOSED		HO08, Aloha Tower Market Place parking lot	08/26/2020 10:40	8977	HONOLULU HARBOR	INLET STATUS	SDIHO081242	235	Followup Work Not Required
13791	Storm Inlet Insp Screening	08/26/2020 10:40	Inouye, Ken	3 - WORK COMPLETE		HO08, Nimitz Highway		8977		INLET STATUS	SDIHO081244	243	Followup Work Not Required
13832	Storm Inlet Insp Screening	08/26/2020 10:40	Inouye, Ken	CLOSED		HO09, Irwin Park	08/26/2020 10:39	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091294	300	Followup Work Not Required
13827	Storm Inlet Insp Screening	08/26/2020 10:39	Inouye, Ken	CLOSED		HO09, Irwin Park	08/26/2020 10:38	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091290	295	Followup Work Not Required
13826	Storm Inlet Insp Screening	08/26/2020 10:39	Inouye, Ken	CLOSED		HO09, Irwin Park	08/26/2020 10:38	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091292	294	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13828	Storm Inlet Insp Screening	08/26/2020 10:38	Inouye, Ken	3 - WORK COMPLETE		HO09, Irwin Park		8977	HONOLULU HARBOR	INLET STATUS	SDIHO091296	296	Followup Work Not Required
13830	Storm Inlet Insp Screening	08/26/2020 10:38	Inouye, Ken	CLOSED		HO09, Irwin Park	08/26/2020 10:37	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091308	298	Followup Work Not Required
13829	Storm Inlet Insp Screening	08/26/2020 10:38	Inouye, Ken	CLOSED		HO09, Irwin Park	08/26/2020 10:37	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091310	297	Followup Work Not Required
13787	Storm Inlet Insp Screening	08/26/2020 10:37	Inouye, Ken	CLOSED		HO08, Aloha Tower Market Place parking lot	08/26/2020 10:36	8977	HONOLULU HARBOR	INLET STATUS	SDIHO081282	239	Followup Work Not Required
13786	Storm Inlet Insp Screening	08/26/2020 10:37	Inouye, Ken	CLOSED		HO08, Aloha Tower Market Place parking lot	08/26/2020 10:36	8977	HONOLULU HARBOR	INLET STATUS	SDIHO081284	238	Followup Work Not Required
13785	Storm Inlet Insp Screening	08/26/2020 10:36	Inouye, Ken	CLOSED		HO08, Aloha Tower Market Place parking lot	08/26/2020 10:35	8977	HONOLULU HARBOR	INLET STATUS	SDIHO081286	237	Followup Work Not Required
13784	Storm Inlet Insp Screening	08/26/2020 10:36	Inouye, Ken	CLOSED		HO08, Aloha Tower Market Place parking lot	08/26/2020 10:35	8977	HONOLULU HARBOR	INLET STATUS	SDIHO081288	236	Followup Work Not Required
13788	Storm Inlet Insp Screening	08/26/2020 10:34	Inouye, Ken	CLOSED		HO08, Aloha Tower Market Place parking lot	08/26/2020 10:33	8977	HONOLULU HARBOR	INLET STATUS	SDIHO081240	240	Followup Work Not Required
13789	Storm Inlet Insp Screening	08/26/2020 10:34	Inouye, Ken	CLOSED		HO08, Aloha Tower Market Place parking lot	08/26/2020 10:33	8977	HONOLULU HARBOR	INLET STATUS	SDIHO081238	241	Followup Work Not Required
13766	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Sand Island	08/27/2020 02:44	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518260	202	Followup Work Not Required
14090	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO52, Sand Island	08/27/2020 02:51	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528637	132	Followup Work Not Required
14129	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51C, Pier 51C	08/27/2020 02:56	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518197	196	Followup Work Not Required
13993	Storm Inlet Insp Screening	08/25/2020 03:19	Inouye, Ken	CLOSED		HO11, Pier 11 shed	08/25/2020 03:18	8977	HONOLULU HARBOR	INLET STATUS	SDIHO111766	633	Followup Work Not Required
13738	Storm Inlet Insp Screening	08/25/2020 03:18	Inouye, Ken	CLOSED		HO11, Pier 11 shed	08/25/2020 03:17	8977	HONOLULU HARBOR	INLET STATUS	SDIHO111764	159	Followup Work Not Required
13737	Storm Inlet Insp Screening	08/25/2020 03:18	Inouye, Ken	CLOSED		HO11, Pier 11 shed	08/25/2020 03:17	8977	HONOLULU HARBOR	INLET STATUS	SDIHO111798	158	Followup Work Not Required
13736	Storm Inlet Insp Screening	08/25/2020 03:17	Inouye, Ken	CLOSED		HO11, Pier 11 shed	08/25/2020 03:16	8977	HONOLULU HARBOR	INLET STATUS	SDIHO111796	157	Followup Work Not Required
14037	Storm Inlet Insp Screening	08/25/2020 03:16	Inouye, Ken	CLOSED		HO11, Pier 11 shed	08/25/2020 03:15	8977	HONOLULU HARBOR	INLET STATUS	SDIHO111744	727	Followup Work Not Required
13792	Storm Inlet Insp Screening	08/25/2020 03:15	Inouye, Ken	CLOSED		HO09, Aloha Tower Drive	08/25/2020 03:14	8977	HONOLULU HARBOR	INLET STATUS	SDIHO092022	245	Followup Work Not Required
13794	Storm Inlet Insp Screening	08/25/2020 03:14	Inouye, Ken	CLOSED		HO09, Aloha Tower Drive	08/25/2020 03:13	8977	HONOLULU HARBOR	INLET STATUS	SDIHO092030	247	Followup Work Not Required
13793	Storm Inlet Insp Screening	08/25/2020 03:14	Inouye, Ken	CLOSED		HO09, Aloha Tower Drive	08/25/2020 03:13	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091452	246	Followup Work Not Required
13790	Storm Inlet Insp Screening	08/25/2020 03:13	Inouye, Ken	CLOSED		HO08, Aloha Tower	08/25/2020 03:12	8977	HONOLULU HARBOR	INLET STATUS	SDIHO081260	242	Followup Work Not Required
13658	Storm Inlet Insp Screening	08/25/2020 03:13	Inouye, Ken	CLOSED		HO08, Aloha Tower Drive, at intersection with Bishop Street	08/25/2020 03:12	8977	HONOLULU HARBOR	INLET STATUS	SDIHO081506	50	Followup Work Not Required
13742	Storm Inlet Insp Screening	08/25/2020 03:12	Inouye, Ken	CLOSED		HO02, Pier 2 yard	08/25/2020 03:11	8977	HONOLULU HARBOR	INLET STATUS	SDIHO020176	178	Followup Work Not Required
13743	Storm Inlet Insp Screening	08/25/2020 03:11	Inouye, Ken	CLOSED		HO02, Pier 2 yard	08/25/2020 03:11	8977	HONOLULU HARBOR	INLET STATUS	SDIHO020174	179	Followup Work Not Required
13741	Storm Inlet Insp Screening	08/25/2020 03:11	Inouye, Ken	CLOSED		HO02, Pier 2 yard	08/25/2020 03:10	8977	HONOLULU HARBOR	INLET STATUS	SDIHO020178	177	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13740	Storm Inlet Insp Screening	08/25/2020 03:10	Inouye, Ken	CLOSED		HO02, Pier 2 yard	08/25/2020 03:10	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010172	176	Followup Work Not Required
13824	Storm Inlet Insp Screening	08/25/2020 03:10	Inouye, Ken	CLOSED		HO01, Pier 1 yard	08/25/2020 03:09	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010162	290	Followup Work Not Required
13803	Storm Inlet Insp Screening	08/25/2020 03:09	Inouye, Ken	CLOSED		HO01, Pier 1 container yard	08/25/2020 03:08	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010152	266	Followup Work Not Required
13804	Storm Inlet Insp Screening	08/25/2020 03:09	Inouye, Ken	CLOSED		HO01, Pier 1 container yard	08/25/2020 03:08	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010202	267	Followup Work Not Required
13810	Storm Inlet Insp Screening	08/25/2020 03:08	Inouye, Ken	CLOSED		HO01, Pier 1 container yard	08/25/2020 03:08	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010122	273	Followup Work Not Required
13775	Storm Inlet Insp Screening	08/25/2020 03:08	Inouye, Ken	CLOSED		HO01, Pier 1	08/25/2020 03:07	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010102	212	Followup Work Not Required
13809	Storm Inlet Insp Screening	08/25/2020 03:07	Inouye, Ken	CLOSED		HO01, Pier 1 container yard	08/25/2020 03:06	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010112	272	Followup Work Not Required
13808	Storm Inlet Insp Screening	08/25/2020 03:06	Inouye, Ken	CLOSED		HO01, Pier 1 container yard	08/25/2020 03:05	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010214	271	Followup Work Not Required
14040	Storm Inlet Insp Screening	08/25/2020 03:05	Inouye, Ken	CLOSED		1, pier 1	08/25/2020 03:04	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010213	766	Followup Work Not Required
13807	Storm Inlet Insp Screening	08/25/2020 03:05	Inouye, Ken	3 - WORK COMPLETE		HO01, Pier 1 container yard		8977	HONOLULU HARBOR	INLET STATUS	SDIHO010212	270	Followup Work Not Required
13812	Storm Inlet Insp Screening	08/25/2020 03:04	Inouye, Ken	CLOSED		HO01, Pier 1 container yard	08/25/2020 03:03	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010252	275	Followup Work Not Required
13806	Storm Inlet Insp Screening	08/25/2020 02:46	Inouye, Ken	CLOSED		HO01, Pier 1 container yard	08/25/2020 02:46	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010210	269	Followup Work Not Required
13805	Storm Inlet Insp Screening	08/25/2020 02:44	Inouye, Ken	CLOSED		HO01, Pier 1 container yard	08/25/2020 02:45	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010208	268	Followup Work Not Required
13811	Storm Inlet Insp Screening	08/25/2020 02:44	Inouye, Ken	CLOSED		HO01, Pier 1 container yard	08/25/2020 02:43	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010224	274	Followup Work Not Required
13813	Storm Inlet Insp Screening	08/25/2020 02:43	Inouye, Ken	CLOSED		HO01, Pier 1 container yard	08/25/2020 02:42	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010254	276	Followup Work Not Required
13796	Storm Inlet Insp Screening	08/25/2020 12:31	Inouye, Ken	CLOSED		HO08, Aloha Tower Drive sidewalk at intersection w/Bishop Street	08/25/2020 12:30	8977	HONOLULU HARBOR	INLET STATUS	SDIHO081504	259	Followup Work Not Required
14048	Storm Inlet Insp Screening	08/25/2020 12:30	Inouye, Ken	CLOSED		Pier 7 heco building	08/25/2020 12:29	8977	HONOLULU HARBOR	INLET STATUS	SDIH0071192	788	Followup Work Not Required
14053	Storm Inlet Insp Screening	08/25/2020 12:29	Inouye, Ken	CLOSED		Pier 7 heco	08/25/2020 12:28	8977	HONOLULU HARBOR	INLET STATUS	SDIHO071184	807	Followup Work Not Required
14046	Storm Inlet Insp Screening	08/25/2020 12:29	Inouye, Ken	CLOSED		Pier 7 heco	08/25/2020 12:28	8977	HONOLULU HARBOR	INLET STATUS	SDIHO609161	786	Followup Work Not Required
14047	Storm Inlet Insp Screening	08/25/2020 12:28	Inouye, Ken	CLOSED		Pier 7 heco	08/25/2020 12:27	8977	HONOLULU HARBOR	INLET STATUS	SDIHO609162	787	Followup Work Not Required
13831	Storm Inlet Insp Screening	08/25/2020 12:28	Inouye, Ken	CLOSED		HO06, HECO Power Plant	08/25/2020 12:27	8977	HONOLULU HARBOR	INLET STATUS	SDIHO061162	299	Followup Work Not Required
14022	Storm Inlet Insp Screening	08/25/2020 12:27	Inouye, Ken	CLOSED		HO06,	08/25/2020 12:26	8977	HONOLULU HARBOR	INLET STATUS	SDIHO061098	698	Followup Work Not Required
13799	Storm Inlet Insp Screening	08/25/2020 12:27	Inouye, Ken	CLOSED		HO06, Pier 5-6 parking lot	08/25/2020 12:26	8977	HONOLULU HARBOR	INLET STATUS	SDIHO061100	262	Followup Work Not Required
13795	Storm Inlet Insp Screening	08/25/2020 12:26	Inouye, Ken	CLOSED		HO06, HO06	08/25/2020 12:25	8977	HONOLULU HARBOR	INLET STATUS	SDIHO061102	251	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14044	Storm Inlet Insp Screening	08/25/2020 12:25	Inouye, Ken	CLOSED		HO05, Ala Moana Boulevard parking lot	08/25/2020 12:25	8977	HONOLULU HARBOR	INLET STATUS	SDIHO0519423	781	Followup Work Not Required
14041	Storm Inlet Insp Screening	08/25/2020 12:25	Inouye, Ken	CLOSED		HO05, parking lot	08/25/2020 12:24	8977	HONOLULU HARBOR	INLET STATUS	SDIHO0519427	778	Followup Work Not Required
14042	Storm Inlet Insp Screening	08/25/2020 12:24	Inouye, Ken	CLOSED		HO05,	08/25/2020 12:23	8977	HONOLULU HARBOR	INLET STATUS	SDIHO0519429	779	Followup Work Not Required
14043	Storm Inlet Insp Screening	08/25/2020 12:24	Inouye, Ken	CLOSED		HO05,	08/25/2020 12:23	8977	HONOLULU HARBOR	INLET STATUS	SDIHO0528874	780	Followup Work Not Required
14039	Storm Inlet Insp Screening	08/25/2020 12:23	Inouye, Ken	CLOSED		11, Pier 11	08/25/2020 12:22	8977	HONOLULU HARBOR	INLET STATUS	SDIHO111762	765	Followup Work Not Required
13739	Storm Inlet Insp Screening	08/25/2020 12:22	Inouye, Ken	CLOSED		HO11, Pier 11 shed	08/25/2020 12:21	8977	HONOLULU HARBOR	INLET STATUS	SDIHO111794	160	Followup Work Not Required
13995	Storm Inlet Insp Screening	08/25/2020 12:22	Inouye, Ken	CLOSED		HO11, Harbors Division Administration Building	08/25/2020 12:21	8977	HONOLULU HARBOR	INLET STATUS	SDIHO111824	635	Followup Work Not Required
13994	Storm Inlet Insp Screening	08/25/2020 12:21	Inouye, Ken	CLOSED		HO11, Harbors Division Administration Building	08/25/2020 12:20	8977	HONOLULU HARBOR	INLET STATUS	SDIHO111836	634	Followup Work Not Required
13735	Storm Inlet Insp Screening	08/25/2020 12:19	Inouye, Ken	CLOSED		HO11,	08/25/2020 12:18	8977	HONOLULU HARBOR	INLET STATUS	SDIHO111834	155	Followup Work Not Required
13992	Storm Inlet Insp Screening	08/25/2020 12:18	Inouye, Ken	CLOSED		HO11, Harbors Division Administration Building	08/25/2020 12:17	8977	HONOLULU HARBOR	INLET STATUS	SDIHO111854	632	Followup Work Not Required
13797	Storm Inlet Insp Screening	08/25/2020 12:16	Inouye, Ken	CLOSED		HO05, Pier 5 parking lot	08/25/2020 12:15	8977	HONOLULU HARBOR	INLET STATUS	SDIHO051012	260	Followup Work Not Required
13798	Storm Inlet Insp Screening	08/25/2020 12:16	Inouye, Ken	3 - WORK COMPLETE		HO05, Pier 5 parking lot		8977	HONOLULU HARBOR	INLET STATUS	SDIHO051002	261	Followup Work Not Required
13800	Storm Inlet Insp Screening	08/25/2020 12:15	Inouye, Ken	CLOSED		HO06, Pier 5-6 parking lot	08/25/2020 12:14	8977	HONOLULU HARBOR	INLET STATUS	SDIHO061042	263	Followup Work Not Required
13656	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO35, Pier 35	08/25/2020 06:23	8977	HONOLULU HARBOR	INLET STATUS	SDIHO354462	48	Followup Work Not Required
13657	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO35, Pier 35 parking lot	08/25/2020 06:24	8977	HONOLULU HARBOR	INLET STATUS	SDIHO354452	49	Followup Work Not Required
13661	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO36, Commercial Fishing Village	08/28/2020 03:28	8977	HONOLULU HARBOR	INLET STATUS	SDIHO364604	53	Followup Work Not Required
13729	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO26, Pier 26	08/25/2020 07:38	8977	HONOLULU HARBOR	INLET STATUS	SDIHO263592	136	Followup Work Required
13733	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 Shed	08/25/2020 06:57	8977	HONOLULU HARBOR	INLET STATUS	SDIHO313922	143	Followup Work Required
13765	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO27, Pier 27	08/25/2020 07:36	8977	HONOLULU HARBOR	INLET STATUS	SDIHO273632	201	Followup Work Required
13774	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 Shed	08/25/2020 06:58	8977	HONOLULU HARBOR	INLET STATUS	SDIHO313902	211	Followup Work Required
13776	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO32, BEI Pier 32 Caustic Soda Storage	08/25/2020 09:10	8977	HONOLULU HARBOR	INLET STATUS	SDIHO324246	213	Followup Work Required
13777	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO32, PENCO/BEI yard	08/25/2020 09:07	8977	HONOLULU HARBOR	INLET STATUS	SDIHO324242	215	Followup Work Required
13779	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31-33 shed	08/25/2020 07:46	8977	HONOLULU HARBOR	INLET STATUS	SDIHO314154	221	Followup Work Required
13780	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:21	8977	HONOLULU HARBOR	INLET STATUS	SDIHO293672	222	Followup Work Not Required
13782	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO32, PENCO/BEI yard	08/25/2020 09:06	8977	HONOLULU HARBOR	INLET STATUS	SDIHO324244	224	Followup Work Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13898	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO20, Pier 19 Ferry Terminal	08/25/2020 07:57	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202580	382	Followup Work Required
13923	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO24, Roadway between Bella Pietra Flooring building and Pier 23	08/25/2020 09:29	8977	HONOLULU HARBOR	INLET STATUS	SDIHO243072	407	Followup Work Required
13924	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO24, Parking lot at front door of Bella Pietra Flooring	08/25/2020 09:19	8977	HONOLULU HARBOR	INLET STATUS	SDIHO243074	408	Followup Work Required
13925	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Roadway fronting Oceantronics	08/25/2020 09:18	8977	HONOLULU HARBOR	INLET STATUS	SDIHO293224	409	Followup Work Not Required
13926	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Sause Brothers Parking Lot	08/25/2020 09:17	8977	HONOLULU HARBOR	INLET STATUS	SDIHO293204	411	Followup Work Not Required
13927	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO26, Former Pier 26 Transit Shed	08/25/2020 07:40	8977	HONOLULU HARBOR	INLET STATUS	SDIHO263552	412	Followup Work Required
13928	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Near guard station at entrance to piers 24-29	08/25/2020 09:16	8977	HONOLULU HARBOR	INLET STATUS	SDIHO293222	413	Followup Work Not Required
13929	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Fenced enclosure at Oceantronics	08/25/2020 09:15	8977	HONOLULU HARBOR	INLET STATUS	SDIHO293206	414	Followup Work Not Required
13930	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO24, Pier 24 near north corner	08/25/2020 09:16	8977	HONOLULU HARBOR	INLET STATUS	SDIHO243242	415	Followup Work Required
13932	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO26, Former Pier 26 Transit Shed	08/25/2020 07:38	8977	HONOLULU HARBOR	INLET STATUS	SDIHO263556	417	Followup Work Required
13933	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO26, Former Pier 26 Transit Shed	08/25/2020 07:39	8977	HONOLULU HARBOR	INLET STATUS	SDIHO263554	418	Followup Work Required
13934	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO26, Pier 26	08/25/2020 07:37	8977	HONOLULU HARBOR	INLET STATUS	SDIHO263572	419	Followup Work Required
13935	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO24, Sause Brothers Parking lot	08/25/2020 09:17	8977	HONOLULU HARBOR	INLET STATUS	SDIHO243202	420	Followup Work Required
13936	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO25, Former corner of Pier 26 shed	08/25/2020 07:41	8977	HONOLULU HARBOR	INLET STATUS	SDIHO243522	424	Followup Work Required
13940	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Roadway between HECO and Aloha Petroleum	08/25/2020 07:54	8977	HONOLULU HARBOR	INLET STATUS	SDIHO313970	440	Followup Work Required
13941	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 entrance road	08/25/2020 07:53	8977	HONOLULU HARBOR	INLET STATUS	SDIHO313968	442	Followup Work Required
13942	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 entrance road	08/25/2020 07:53	8977	HONOLULU HARBOR	INLET STATUS	SDIHO313966	443	Followup Work Required
13943	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31,	08/25/2020 07:50	8977	HONOLULU HARBOR	INLET STATUS	SDIHO314134	444	Followup Work Required
13944	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 yard	08/25/2020 07:51	8977	HONOLULU HARBOR	INLET STATUS	SDIHO314130	445	Followup Work Required
13945	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31,	08/25/2020 07:49	8977	HONOLULU HARBOR	INLET STATUS	SDIHO314136	447	Followup Work Required
13946	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31,	08/25/2020 07:50	8977	HONOLULU HARBOR	INLET STATUS	SDIHO314132	448	Followup Work Required
13947	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 yard	08/25/2020 07:47	8977	HONOLULU HARBOR	INLET STATUS	SDIHO314016	449	Followup Work Not Required
13948	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO32,	08/25/2020 06:47	8977	HONOLULU HARBOR	INLET STATUS	SDIHO324262	456	Followup Work Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13949	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO32,	08/25/2020 06:38	8977	HONOLULU HARBOR	INLET STATUS	SDIHO324208	457	Followup Work Required
13950	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO32,	08/25/2020 06:45	8977	HONOLULU HARBOR	INLET STATUS	SDIHO324236	458	Followup Work Required
13951	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO32,	08/25/2020 06:43	8977	HONOLULU HARBOR	INLET STATUS	SDIHO324234	459	Followup Work Required
13952	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO32,	08/25/2020 06:46	8977	HONOLULU HARBOR	INLET STATUS	SDIHO324260	460	Followup Work Required
13953	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO32, Pier 32 shed	08/25/2020 06:41	8977	HONOLULU HARBOR	INLET STATUS	SDIHO324232	461	Followup Work Not Required
13954	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO32,	08/25/2020 06:50	8977	HONOLULU HARBOR	INLET STATUS	SDIHO314162	462	Followup Work Required
13955	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO32, Pier 32 shed	08/25/2020 06:40	8977	HONOLULU HARBOR	INLET STATUS	SDIHO324204	463	Followup Work Required
13956	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO32, Pier 32 shed	08/25/2020 06:40	8977	HONOLULU HARBOR	INLET STATUS	SDIHO324202	464	Followup Work Required
13957	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO32,	08/25/2020 06:48	8977	HONOLULU HARBOR	INLET STATUS	SDIHO324182	465	Followup Work Required
13958	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO34, Pier 34	08/25/2020 06:36	8977	HONOLULU HARBOR	INLET STATUS	SDIHO344312	466	Followup Work Required
13959	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO33,	08/25/2020 06:39	8977	HONOLULU HARBOR	INLET STATUS	SDIHO344328	467	Followup Work Required
13960	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO33,	08/25/2020 06:38	8977	HONOLULU HARBOR	INLET STATUS	SDIHO344326	468	Followup Work Required
13961	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO33,	08/25/2020 06:37	8977	HONOLULU HARBOR	INLET STATUS	SDIHO344324	469	Followup Work Required
13962	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO34, Pier 34	08/25/2020 06:31	8977	HONOLULU HARBOR	INLET STATUS	SDIHO344352	470	Followup Work Required
13963	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		Pier 35 UH facility	08/25/2020 06:30	8977	HONOLULU HARBOR	INLET STATUS	SDIHO344362	471	Followup Work Not Required
13964	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO39, Young Brothers Refrigeration Container Facility	08/25/2020 06:16	8977	HONOLULU HARBOR	INLET STATUS	SDIHO395516	472	Followup Work Not Required
13965	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO35, Hawaii Stevedores Inc.	08/25/2020 06:22	8977		INLET STATUS	SDIHO354472	501	Followup Work Not Required
13966	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Sea Engineering yard	08/25/2020 09:12	8977	HONOLULU HARBOR	INLET STATUS	SDIHO314390	504	Followup Work Required
13967	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Sea Engineering office	08/25/2020 09:11	8977	HONOLULU HARBOR	INLET STATUS	SDIHO314392	505	Followup Work Required
13968	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31,	08/25/2020 09:14	8977	HONOLULU HARBOR	INLET STATUS	SDIHO314398	506	Followup Work Not Required
13969	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31,	08/25/2020 09:13	8977	HONOLULU HARBOR	INLET STATUS	SDIHO314402	507	Followup Work Not Required
13970	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31,	08/25/2020 09:13	8977	HONOLULU HARBOR	INLET STATUS	SDIHO314396	508	Followup Work Not Required
13971	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31,	08/25/2020 09:14	8977	HONOLULU HARBOR	INLET STATUS	SDIHO314400	509	Followup Work Not Required
13972	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO30,	08/25/2020 07:00	8977		INLET STATUS	SDIHO313924	520	Followup Work Required
13973	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO30,	08/25/2020 06:59	8977		INLET STATUS	SDIHO313904	521	Followup Work Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13974	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Roadway between HECO and Aloha Petroleum	08/25/2020 07:55	8977	HONOLULU HARBOR	INLET STATUS	SDIHO313972	533	Followup Work Required
13975	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO34, Pier 34	08/25/2020 06:37	8977	HONOLULU HARBOR	INLET STATUS	SDIHO344302	535	Followup Work Required
13976	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO34, Pier 34	08/25/2020 06:32	8977	HONOLULU HARBOR	INLET STATUS	SDIHO344322	536	Followup Work Required
13977	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO39, Young Brothers Refrigeration Container Facility	08/25/2020 06:15	8977	HONOLULU HARBOR	INLET STATUS	SDIHO395514	537	Followup Work Not Required
13978	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO39, Young Brothers Refrigeration Container Facility	08/25/2020 06:15	8977	HONOLULU HARBOR	INLET STATUS	SDIHO395512	538	Followup Work Not Required
13979	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO39, Young Brothers Refrigeration Container Facility	08/25/2020 06:14	8977	HONOLULU HARBOR	INLET STATUS	SDIHO395510	540	Followup Work Required
13980	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO40, Young Brothers entrance	08/25/2020 06:18	8977	HONOLULU HARBOR	INLET STATUS	SDIHO405610	541	Followup Work Required
13981	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO40, Young Brothers maintenance facility	08/25/2020 06:20	8977	HONOLULU HARBOR	INLET STATUS	SDIHO405608	543	Followup Work Required
13982	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO40, Between Young Brothers Annex and Admin buildings	08/25/2020 06:10	8977	HONOLULU HARBOR	INLET STATUS	SDIHO405722	544	Followup Work Not Required
13983	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO40, Between Young Brothers Annex and Admin buildings	08/25/2020 06:10	8977	HONOLULU HARBOR	INLET STATUS	SDIHO405708	545	Followup Work Not Required
13984	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO40, Ewa side of Young Brothers Annex building	08/25/2020 06:09	8977	HONOLULU HARBOR	INLET STATUS	SDIHO405712	546	Followup Work Not Required
13985	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO39, Young Brothers access road along North Nimitz Highway	08/25/2020 06:17	8977		INLET STATUS	SDIHO395596	547	Followup Work Not Required
13986	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO39, Young Brothers access road along North Nimitz Highway	08/25/2020 06:17	8977		INLET STATUS	SDIHO395592	548	Followup Work Not Required
13987	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 entrance road	08/25/2020 07:52	8977	HONOLULU HARBOR	INLET STATUS	SDIHO313964	549	Followup Work Required
13988	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31,	08/25/2020 07:02	8977	HONOLULU HARBOR	INLET STATUS	SDIHO313962	551	Followup Work Not Required
13989	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO32, BEI/PENCO yard	08/25/2020 09:08	8977	HONOLULU HARBOR	INLET STATUS	SDIHO324264	552	Followup Work Required
13990	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 yard	08/25/2020 07:48	8977	HONOLULU HARBOR	INLET STATUS	SDIHO314142	568	Followup Work Required
13991	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO39, Young Brothers entrance	08/25/2020 06:21	8977	HONOLULU HARBOR	INLET STATUS	SDIHO395612	582	Followup Work Required
13996	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 shed	08/25/2020 07:00	8977	HONOLULU HARBOR	INLET STATUS	SDIHO313958	636	Followup Work Required
14009	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO25, Pier 25	08/25/2020 07:41	8977	HONOLULU HARBOR	INLET STATUS	SDIHO243502	685	Followup Work Required
14021	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 Shed	08/25/2020 06:57	8977	HONOLULU HARBOR	INLET STATUS	SDIHO313954	697	Followup Work Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14026	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31,	08/25/2020 06:51	8977	HONOLULU HARBOR	INLET STATUS	SDIHO314152	704	Followup Work Required
14033	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:33	8977	HONOLULU HARBOR	INLET STATUS	SDIHO293620	722	Followup Work Not Required
14034	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:37	8977	HONOLULU HARBOR	INLET STATUS	SDIHO293612	723	Followup Work Required
14049	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		Pier 35 UH facility	08/25/2020 06:30	8977	HONOLULU HARBOR	INLET STATUS	SDIHO354474	797	Followup Work Not Required
14050	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		Pier 35 UH facility	08/25/2020 06:28	8977	HONOLULU HARBOR	INLET STATUS	SDIHO354412	798	Followup Work Not Required
14051	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		Pier 35 UH facility	08/25/2020 06:28	8977	HONOLULU HARBOR	INLET STATUS	SDIHO354414	801	Followup Work Not Required
14052	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO35, Hawaii Stevedores Inc.	08/25/2020 06:26	8977		INLET STATUS	SDIHO354472	501	Followup Work Not Required
14075	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO60, Keehi Industrial Lots	08/25/2020 06:03	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO609165	72	Followup Work Not Required
14076	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO60, Keehi Industrial Lots	08/25/2020 06:05	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO609185	73	Followup Work Not Required
14077	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO60, Keehi Industrial Lots	08/25/2020 06:04	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO609189	74	Followup Work Not Required
14078	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO60, KIPA	08/25/2020 06:07	8977		OPEN LINE STATUS	SDOHO609190	75	Followup Work Not Required
14079	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO60, Keehi Industrial Lots	08/25/2020 06:06	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO609181	121	Followup Work Not Required
14103	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		500-560 mark	08/25/2020 07:22	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29550A	156	Followup Work Not Required
14104	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 yard	08/25/2020 07:48	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314049	157	Followup Work Not Required
14105	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 yard	08/25/2020 07:46	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314109	158	Followup Work Not Required
14106	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 yard	08/25/2020 07:44	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314071	159	Followup Work Not Required
14107	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO32, Sea Engineering office	08/25/2020 09:11	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314391	164	Followup Work Required
14108	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO32, Young Brothers	08/25/2020 06:12	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO405403	165	Followup Work Not Required
14109	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO32, Young Brothers	08/25/2020 06:11	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO405401	166	Followup Work Not Required
14110	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:29	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29500B	167	Followup Work Not Required
14138	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO60, Pier 34 wharf	08/25/2020 06:07	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO609191	213	Followup Work Not Required
14149	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		pier 35 UH	08/25/2020 06:27	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO350001	225	Followup Work Not Required
14150	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		pier 35 UH facility	08/25/2020 06:29	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO350003	226	Followup Work Not Required
14151	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		pier 31 shed open area	08/25/2020 06:54	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314395	229	Followup Work Not Required
14152	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		pier 31 shed open area	08/25/2020 06:53	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314397	230	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14153	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		pier 31 shed open area	08/25/2020 06:56	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314399	231	Followup Work Not Required
14154	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		pier 31 shed open area	08/25/2020 06:55	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314401	232	Followup Work Not Required
14155	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		pier 31 shed open area	08/25/2020 06:53	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314403	234	Followup Work Not Required
14156	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		pier 31 shed open area	08/25/2020 06:52	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314393	235	Followup Work Not Required
14157	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		pier 31 shed open area	08/25/2020 06:54	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314405	238	Followup Work Not Required
14158	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:27	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29050A	239	Followup Work Not Required
14159	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:27	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29100A	240	Followup Work Not Required
14160	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:26	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29150A	241	Followup Work Not Required
14161	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:25	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29200A	242	Followup Work Not Required
14162	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:25	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29250A	243	Followup Work Not Required
14163	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:24	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29300A	244	Followup Work Not Required
14164	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:24	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29350A	245	Followup Work Not Required
14165	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:23	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29400A	246	Followup Work Not Required
14166	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:23	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29450A	247	Followup Work Not Required
14167	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:22	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29500A	248	Followup Work Not Required
14168	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:35	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29050B	249	Followup Work Not Required
14169	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:35	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29100B	250	Followup Work Not Required
14170	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:34	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29150B	251	Followup Work Not Required
14171	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:33	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29200B	252	Followup Work Not Required
14172	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:32	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29250B	253	Followup Work Not Required
14173	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:31	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29300B	254	Followup Work Not Required
14174	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:30	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29350B	255	Followup Work Not Required
14175	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:30	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29400B	256	Followup Work Not Required
14176	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:29	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29450B	257	Followup Work Not Required
14177	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	08/25/2020 07:28	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29530B	258	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14178	Storm Inlet Insp Screening	08/25/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 yard	08/25/2020 07:45	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314073	665	Followup Work Not Required
13872	Storm Inlet Insp Screening	08/25/2020 11:38	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:37	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091608	343	Followup Work Not Required
13871	Storm Inlet Insp Screening	08/25/2020 11:37	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:36	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091604	342	Followup Work Not Required
13867	Storm Inlet Insp Screening	08/25/2020 11:37	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:36	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091648	338	Followup Work Not Required
13866	Storm Inlet Insp Screening	08/25/2020 11:36	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:35	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091650	337	Followup Work Not Required
13846	Storm Inlet Insp Screening	08/25/2020 11:36	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:35	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091490	315	Followup Work Not Required
13844	Storm Inlet Insp Screening	08/25/2020 11:35	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:35	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091482	313	Followup Work Not Required
13841	Storm Inlet Insp Screening	08/25/2020 11:35	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:34	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091474	309	Followup Work Not Required
13836	Storm Inlet Insp Screening	08/25/2020 11:35	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:34	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091466	304	Followup Work Not Required
13838	Storm Inlet Insp Screening	08/25/2020 11:34	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:33	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091458	306	Followup Work Not Required
13876	Storm Inlet Insp Screening	08/25/2020 11:34	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:33	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091610	347	Followup Work Not Required
13870	Storm Inlet Insp Screening	08/25/2020 11:34	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:33	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091620	341	Followup Work Not Required
13869	Storm Inlet Insp Screening	08/25/2020 11:33	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:32	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091622	340	Followup Work Not Required
13845	Storm Inlet Insp Screening	08/25/2020 11:33	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:32	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091488	314	Followup Work Not Required
13843	Storm Inlet Insp Screening	08/25/2020 11:32	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:31	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091480	312	Followup Work Not Required
13840	Storm Inlet Insp Screening	08/25/2020 11:32	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:31	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091472	308	Followup Work Not Required
13835	Storm Inlet Insp Screening	08/25/2020 11:32	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:31	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091464	303	Followup Work Not Required
13837	Storm Inlet Insp Screening	08/25/2020 11:31	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:30	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091456	305	Followup Work Not Required
13874	Storm Inlet Insp Screening	08/25/2020 11:30	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:29	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091626	345	Followup Work Not Required
13875	Storm Inlet Insp Screening	08/25/2020 11:30	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:29	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091624	346	Followup Work Not Required
13868	Storm Inlet Insp Screening	08/25/2020 11:30	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:29	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091630	339	Followup Work Not Required
13865	Storm Inlet Insp Screening	08/25/2020 11:29	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:28	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091656	336	Followup Work Not Required
13864	Storm Inlet Insp Screening	08/25/2020 11:29	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:28	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091652	335	Followup Work Not Required
13863	Storm Inlet Insp Screening	08/25/2020 11:28	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:27	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091654	334	Followup Work Not Required
13833	Storm Inlet Insp Screening	08/25/2020 11:28	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:27	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091486	301	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13842	Storm Inlet Insp Screening	08/25/2020 11:28	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:27	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091478	311	Followup Work Not Required
13839	Storm Inlet Insp Screening	08/25/2020 11:27	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:26	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091470	307	Followup Work Not Required
13834	Storm Inlet Insp Screening	08/25/2020 11:27	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:26	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091462	302	Followup Work Not Required
13873	Storm Inlet Insp Screening	08/25/2020 11:26	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 11:25	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091572	344	Followup Work Not Required
13847	Storm Inlet Insp Screening	08/25/2020 10:53	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 10:52	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091434	317	Followup Work Not Required
13848	Storm Inlet Insp Screening	08/25/2020 10:53	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 10:52	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091432	318	Followup Work Not Required
13849	Storm Inlet Insp Screening	08/25/2020 10:53	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 10:52	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091430	319	Followup Work Not Required
14102	Storm Inlet Insp Screening	08/25/2020 10:52	Inouye, Ken	CLOSED		HO08, Aloha Tower Market Place loading dock	08/25/2020 10:51	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO081515	155	Followup Work Not Required
13850	Storm Inlet Insp Screening	08/25/2020 10:52	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 10:51	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091420	320	Followup Work Not Required
13851	Storm Inlet Insp Screening	08/25/2020 10:51	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 10:50	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091422	321	Followup Work Not Required
13852	Storm Inlet Insp Screening	08/25/2020 10:51	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 10:50	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091424	322	Followup Work Not Required
13858	Storm Inlet Insp Screening	08/25/2020 10:50	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 10:49	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091394	328	Followup Work Not Required
13857	Storm Inlet Insp Screening	08/25/2020 10:50	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 10:49	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091392	327	Followup Work Not Required
13855	Storm Inlet Insp Screening	08/25/2020 10:49	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 10:48	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091390	325	Followup Work Not Required
13854	Storm Inlet Insp Screening	08/25/2020 10:49	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 10:48	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091388	324	Followup Work Not Required
13853	Storm Inlet Insp Screening	08/25/2020 10:49	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 10:48	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091384	323	Followup Work Not Required
13856	Storm Inlet Insp Screening	08/25/2020 10:48	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 10:47	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091364	326	Followup Work Not Required
13860	Storm Inlet Insp Screening	08/25/2020 10:48	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 10:47	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091362	330	Followup Work Not Required
13861	Storm Inlet Insp Screening	08/25/2020 10:47	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 10:46	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091356	332	Followup Work Not Required
13862	Storm Inlet Insp Screening	08/25/2020 10:47	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 10:46	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091352	333	Followup Work Not Required
13859	Storm Inlet Insp Screening	08/25/2020 10:46	Inouye, Ken	CLOSED		HO09, Aloha Tower Market Place	08/25/2020 10:45	8977	HONOLULU HARBOR	INLET STATUS	SDIHO091396	329	Followup Work Not Required
14054	Storm Inlet Insp Screening	08/25/2020 10:46	Inouye, Ken	CLOSED		Pier 12	08/25/2020 10:45	8977	HONOLULU HARBOR	INLET STATUS	SDIHO123957	3957	Followup Work Not Required
14055	Storm Inlet Insp Screening	08/25/2020 10:45	Inouye, Ken	CLOSED		Pier 12	08/25/2020 10:44	8977	HONOLULU HARBOR	INLET STATUS	SDIHO123959	3958	Followup Work Not Required
13620	Storm Inlet Insp Screening	08/25/2020 10:42	Inouye, Ken	CLOSED		pier 15 scuppers	08/25/2020 10:41	8977	HONOLULU HARBOR	INLET STATUS	SDIHO154366	4366	Followup Work Not Required
13628	Storm Inlet Insp Screening	08/25/2020 10:42	Inouye, Ken	CLOSED		pier 15 scuppers	08/25/2020 10:41	8977	HONOLULU HARBOR	INLET STATUS	SDIHO154365	4365	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13624	Storm Inlet Insp Screening	08/25/2020 10:41	Inouye, Ken	CLOSED		pier 15 scuppers	08/25/2020 10:40	8977	HONOLULU HARBOR	INLET STATUS	SDIHO154364	4364	Followup Work Not Required
13617	Storm Inlet Insp Screening	08/25/2020 10:41	Inouye, Ken	CLOSED		pier 15 scuppers	08/25/2020 10:40	8977	HONOLULU HARBOR	INLET STATUS	SDIHO154363	4363	Followup Work Not Required
13627	Storm Inlet Insp Screening	08/25/2020 10:40	Inouye, Ken	CLOSED		pier 15 scuppers	08/25/2020 10:40	8977	HONOLULU HARBOR	INLET STATUS	SDIHO154367	4362	Followup Work Not Required
13626	Storm Inlet Insp Screening	08/25/2020 10:40	Inouye, Ken	CLOSED		pier 15 scuppers	08/25/2020 10:39	8977	HONOLULU HARBOR	INLET STATUS	SDIHO154361	4361	Followup Work Not Required
13615	Storm Inlet Insp Screening	08/25/2020 10:40	Inouye, Ken	CLOSED		pier 15 scuppers	08/25/2020 10:39	8977	HONOLULU HARBOR	INLET STATUS	SDIHO154360	4360	Followup Work Not Required
13630	Storm Inlet Insp Screening	08/25/2020 10:39	Inouye, Ken	CLOSED		pier 15 scuppers	08/25/2020 10:38	8977	HONOLULU HARBOR	INLET STATUS	SDIHO154359	4359	Followup Work Not Required
13621	Storm Inlet Insp Screening	08/25/2020 10:39	Inouye, Ken	CLOSED		pier 15 scuppers	08/25/2020 10:38	8977	HONOLULU HARBOR	INLET STATUS	SDIHO154358	4358	Followup Work Not Required
13619	Storm Inlet Insp Screening	08/25/2020 10:38	Inouye, Ken	CLOSED		pier 15 scuppers	08/25/2020 10:37	8977	HONOLULU HARBOR	INLET STATUS	SDIHO154357	4357	Followup Work Not Required
13618	Storm Inlet Insp Screening	08/25/2020 10:38	Inouye, Ken	CLOSED		HO15, Pier 15 fire station parking lot	08/25/2020 10:37	8977	HONOLULU HARBOR	INLET STATUS	SDIHO152202	421	Followup Work Not Required
13744	Storm Inlet Insp Screening	08/25/2020 10:36	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:35	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010256	180	Followup Work Not Required
13745	Storm Inlet Insp Screening	08/25/2020 10:35	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:34	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010258	181	Followup Work Not Required
13746	Storm Inlet Insp Screening	08/25/2020 10:35	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:34	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010260	182	Followup Work Not Required
13747	Storm Inlet Insp Screening	08/25/2020 10:34	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:33	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010262	183	Followup Work Not Required
13748	Storm Inlet Insp Screening	08/25/2020 10:34	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:33	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010264	184	Followup Work Not Required
13749	Storm Inlet Insp Screening	08/25/2020 10:34	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:33	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010266	185	Followup Work Not Required
13750	Storm Inlet Insp Screening	08/25/2020 10:33	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:32	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010268	186	Followup Work Not Required
13751	Storm Inlet Insp Screening	08/25/2020 10:33	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:32	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010270	187	Followup Work Not Required
13752	Storm Inlet Insp Screening	08/25/2020 10:32	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:31	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010272	188	Followup Work Not Required
13753	Storm Inlet Insp Screening	08/25/2020 10:32	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:31	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010274	189	Followup Work Not Required
13754	Storm Inlet Insp Screening	08/25/2020 10:31	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:30	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010276	190	Followup Work Not Required
13755	Storm Inlet Insp Screening	08/25/2020 10:31	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:30	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010278	191	Followup Work Not Required
13756	Storm Inlet Insp Screening	08/25/2020 10:30	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:30	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010280	192	Followup Work Not Required
13757	Storm Inlet Insp Screening	08/25/2020 10:30	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:29	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010282	193	Followup Work Not Required
13758	Storm Inlet Insp Screening	08/25/2020 10:30	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:29	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010284	194	Followup Work Not Required
13759	Storm Inlet Insp Screening	08/25/2020 10:29	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:28	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010286	195	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13760	Storm Inlet Insp Screening	08/25/2020 10:29	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:28	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010288	196	Followup Work Not Required
13761	Storm Inlet Insp Screening	08/25/2020 10:28	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:27	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010290	197	Followup Work Not Required
13762	Storm Inlet Insp Screening	08/25/2020 10:28	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:27	8977	HONOLULU HARBOR	INLET STATUS	SDIHO010292	198	Followup Work Not Required
13823	Storm Inlet Insp Screening	08/25/2020 10:27	Inouye, Ken	CLOSED		HO02, Channel Street	08/25/2020 10:26	8977		INLET STATUS	SDIHO020508	289	Followup Work Not Required
14028	Storm Inlet Insp Screening	08/25/2020 10:26	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:25	8977		INLET STATUS	SDIHO020512	717	Followup Work Not Required
14027	Storm Inlet Insp Screening	08/25/2020 10:26	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:25	8977		INLET STATUS	SDIHO020510	716	Followup Work Not Required
13822	Storm Inlet Insp Screening	08/25/2020 10:25	Inouye, Ken	CLOSED		HO02, Channel Street	08/25/2020 10:24	8977		INLET STATUS	SDIHO020520	288	Followup Work Not Required
13821	Storm Inlet Insp Screening	08/25/2020 10:24	Inouye, Ken	CLOSED		HO02, Channel Street	08/25/2020 10:23	8977	HONOLULU HARBOR	INLET STATUS	SDIHO020522	287	Followup Work Not Required
13817	Storm Inlet Insp Screening	08/25/2020 10:23	Inouye, Ken	CLOSED		HO02, Channel Street	08/25/2020 10:22	8977	HONOLULU HARBOR	INLET STATUS	SDIHO020650	283	Followup Work Not Required
13818	Storm Inlet Insp Screening	08/25/2020 10:23	Inouye, Ken	CLOSED		HO02, Channel Street	08/25/2020 10:22	8977	HONOLULU HARBOR	INLET STATUS	SDIHO020640	284	Followup Work Not Required
13819	Storm Inlet Insp Screening	08/25/2020 10:22	Inouye, Ken	CLOSED		HO02, Channel Street	08/25/2020 10:21	8977	HONOLULU HARBOR	INLET STATUS	SDIHO020642	285	Followup Work Not Required
13820	Storm Inlet Insp Screening	08/25/2020 10:21	Inouye, Ken	CLOSED		HO02, Channel Street	08/25/2020 10:21	8977	HONOLULU HARBOR	INLET STATUS	SDIHO020644	286	Followup Work Not Required
14030	Storm Inlet Insp Screening	08/25/2020 10:21	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:20	8977		INLET STATUS	SDIHO020814	719	Followup Work Not Required
14029	Storm Inlet Insp Screening	08/25/2020 10:20	Inouye, Ken	CLOSED		HO02,	08/25/2020 10:19	8977		INLET STATUS	SDIHO020812	718	Followup Work Not Required
14045	Storm Inlet Insp Screening	08/25/2020 10:20	Inouye, Ken	CLOSED			08/25/2020 10:19	8977		INLET STATUS	SDIHO0538914	785	Followup Work Not Required
13802	Storm Inlet Insp Screening	08/25/2020 10:19	Inouye, Ken	CLOSED		HO02, Access Road between FTZ and Ala Moana Boulevard	08/25/2020 10:18	8977		INLET STATUS	SDIHO020810	265	Followup Work Not Required
13816	Storm Inlet Insp Screening	08/25/2020 10:19	Inouye, Ken	CLOSED		HO02, Access Road between FTZ and Ala Moana Boulevard	08/25/2020 10:18	8977		INLET STATUS	SDIHO020808	279	Followup Work Not Required
13815	Storm Inlet Insp Screening	08/25/2020 10:18	Inouye, Ken	CLOSED		HO02, Access Road between FTZ and Ala Moana Boulevard	08/25/2020 10:17	8977		INLET STATUS	SDIHO020806	278	Followup Work Not Required
13814	Storm Inlet Insp Screening	08/25/2020 10:16	Inouye, Ken	CLOSED		HO02, Access Road between FTZ and Ala Moana Boulevard	08/25/2020 10:16	8977		INLET STATUS	SDIHO020804	277	Followup Work Not Required
13664	Storm Inlet Insp Screening	08/25/2020 08:37	Shimizu, Paul	CLOSED		HO51, Parking lot outside of Horizon Lines	08/27/2020 11:31	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517804	59	Followup Work Not Required
13663	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51,	08/27/2020 11:29	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517806	58	Followup Work Not Required
13665	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Sand Island	08/27/2020 11:40	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517810	60	Followup Work Not Required
13666	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/27/2020 11:31	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517802	61	Followup Work Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13667	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Sand Island	08/27/2020 11:39	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517854	62	Followup Work Not Required
13669	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51A, Horizon Lines	08/27/2020 11:33	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517882	67	Followup Work Not Required
13670	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51A, Sand Island	08/27/2020 11:34	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517962	68	Followup Work Not Required
13671	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/27/2020 02:22	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517886	70	Followup Work Not Required
13672	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/27/2020 02:23	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517890	71	Followup Work Not Required
13673	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/27/2020 10:26	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517892	72	Followup Work Not Required
13674	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/27/2020 11:28	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517896	73	Followup Work Required
13675	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/27/2020 08:03	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517902	74	Followup Work Not Required
13677	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Sand Island	08/27/2020 10:29	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517894	76	Followup Work Not Required
13678	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/27/2020 08:02	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517898	77	Followup Work Not Required
13679	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/27/2020 08:00	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518012	78	Followup Work Not Required
13681	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51A, Horizon Lines	08/27/2020 02:21	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517884	80	Followup Work Not Required
13683	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51,	08/27/2020 11:34	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518002	82	Followup Work Not Required
13684	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/27/2020 02:25	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517964	83	Followup Work Not Required
13685	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51,	08/27/2020 02:26	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518004	84	Followup Work Not Required
13686	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51B, Horizon Lines	08/27/2020 02:27	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518074	85	Followup Work Not Required
13687	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51B,	08/27/2020 02:27	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518084	86	Followup Work Not Required
13688	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51B,	08/27/2020 11:36	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518082	87	Followup Work Not Required
13693	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51,	08/27/2020 02:33	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518152	92	Followup Work Not Required
13694	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson Container Yard	08/27/2020 02:35	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518150	93	Followup Work Not Required
13695	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing	08/27/2020 02:32	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518372	94	Followup Work Not Required
13701	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson Container Yard-Roadway Near Row S8	08/27/2020 02:36	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518364	101	Followup Work Not Required
13706	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson Container Yard	08/27/2020 02:34	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518366	106	Followup Work Not Required
13707	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson Container Yard	08/27/2020 02:47	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518140	108	Followup Work Not Required
13708	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Sand Island-Row V1, Stall #38	08/27/2020 02:31	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518146	110	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13710	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson Container Yard	08/27/2020 02:49	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518360	115	Followup Work Not Required
13711	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO53, Matson Container Yard	08/28/2020 08:46	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538902	117	Followup Work Not Required
13712	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Sand Island	08/27/2020 02:31	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518026	118	Followup Work Not Required
13713	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO52, Sand Island	08/27/2020 02:37	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528510	119	Followup Work Not Required
13730	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51B,	08/27/2020 11:35	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518072	139	Followup Work Not Required
13731	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/27/2020 02:21	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517888	140	Followup Work Not Required
13767	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Row E15, Stall #45	08/27/2020 02:46	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518262	203	Followup Work Not Required
13768	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/27/2020 08:01	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517926	204	Followup Work Required
13769	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/27/2020 07:58	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517930	205	Followup Work Not Required
13770	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/27/2020 07:59	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517932	206	Followup Work Not Required
13771	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines yard	08/27/2020 07:59	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517940	208	Followup Work Not Required
14005	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO53, Row A20, Stall #14	08/27/2020 02:54	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538906	681	Followup Work Not Required
14006	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO53, Matson Container Facility	08/28/2020 08:39	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538904	682	Followup Work Not Required
14074	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson Sand Island facility	08/27/2020 02:46	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518265	71	Followup Work Not Required
14080	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO52, Sand Island	08/28/2020 08:40	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528611	122	Followup Work Not Required
14081	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO52, Sand Island	08/27/2020 02:52	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528641	123	Followup Work Not Required
14082	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO53, Sand Island, 1800 foot marker - 1500 foot marker	08/28/2020 09:02	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538563	124	Followup Work Not Required
14083	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Sand Island	08/27/2020 02:36	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518291	125	Followup Work Not Required
14084	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Sand Island	08/27/2020 02:48	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518269	126	Followup Work Not Required
14085	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Sand Island	08/27/2020 02:34	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518285	127	Followup Work Not Required
14086	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Sand Island	08/27/2020 02:42	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518231	128	Followup Work Not Required
14087	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Sand Island	08/27/2020 02:43	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518235	129	Followup Work Not Required
14088	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Sand Island	08/27/2020 02:59	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518241	130	Followup Work Not Required
14089	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51C, Sand Island	08/27/2020 02:29	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518031	131	Followup Work Not Required
14091	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO52, Sand Island-Row D19, Stall #35	08/27/2020 02:51	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528631	133	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14092	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO52, Sand Island	08/28/2020 08:42	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528601	134	Followup Work Not Required
14093	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO52, Sand Island	08/28/2020 08:41	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528607	135	Followup Work Not Required
14094	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Sand Island-Row E14, Stall #03	08/27/2020 02:50	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518277	136	Followup Work Not Required
14095	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO53, Sand Island-Row A20, Stall #14	08/27/2020 02:55	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538649	138	Followup Work Not Required
14096	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO53, Sand Island-Row A15, Stall #14	08/28/2020 08:38	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538619	140	Followup Work Not Required
14097	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO53, Matson Container Yard	08/28/2020 08:46	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538585	141	Followup Work Not Required
14098	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO53, Sand Island	08/28/2020 08:39	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538617	142	Followup Work Not Required
14111	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO53, Sand Island	08/28/2020 08:40	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538613	169	Followup Work Not Required
14112	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO53, Sand Island	08/27/2020 02:54	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538647	170	Followup Work Not Required
14113	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO53, Sand Island	08/27/2020 02:53	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538643	171	Followup Work Not Required
14114	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO53, Sand Island	08/28/2020 09:01	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538651	172	Followup Work Not Required
14115	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51C, Pier 51C	08/27/2020 02:58	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518205	173	Followup Work Not Required
14116	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO53, Matson Container Yard	08/28/2020 08:44	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538579	174	Followup Work Not Required
14117	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO52, Matson Container Facility	08/28/2020 08:43	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528571	176	Followup Work Not Required
14118	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO52, Matson Container Facility	08/28/2020 08:43	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528577	177	Followup Work Not Required
14119	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO52, Matson Container Facility	08/28/2020 09:04	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528545	178	Followup Work Not Required
14120	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO53, Matson Container Yard	08/28/2020 08:45	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538583	179	Followup Work Not Required
14121	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO52, Matson Container Yard	08/27/2020 02:38	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528517	184	Followup Work Not Required
14123	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51, Sand Island	08/27/2020 02:49	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518271	186	Followup Work Not Required
14125	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51C, Pier 51C	08/27/2020 02:39	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518181	192	Followup Work Not Required
14126	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51C, Pier 51C	08/27/2020 02:40	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518185	193	Followup Work Not Required
14127	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51C, Pier 51C	08/27/2020 02:41	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518189	194	Followup Work Not Required
14128	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51C, Pier 51C	08/27/2020 02:42	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518193	195	Followup Work Not Required
14130	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51C, Pier 51C	08/27/2020 02:57	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518201	197	Followup Work Not Required
14131	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51C, Pier 51C	08/27/2020 03:00	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518209	198	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14132	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO51C, Pier 51C	08/27/2020 03:01	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528213	199	Followup Work Not Required
14133	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO52, Matson Container Facility	08/27/2020 03:02	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528541	200	Followup Work Not Required
14134	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO52, Sand Island	08/28/2020 09:04	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528555	201	Followup Work Not Required
14135	Storm Inlet Insp Screening	08/25/2020 08:00	Shimizu, Paul	CLOSED		HO52, Sand Island, 700 foot marker - 1400 foot marker	08/28/2020 09:03	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528559	203	Followup Work Not Required
13726	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, CFS#2	08/26/2020 09:41	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538794	132	Followup Work Not Required
13999	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, main entrance	08/26/2020 01:36	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518416	675	Followup Work Not Required
14013	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing lot. 3 painted in black	08/26/2020 02:47	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518470	689	Followup Work Not Required
13680	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/26/2020 02:56	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518010	79	Followup Work Not Required
13682	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/26/2020 02:49	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518464	81	Followup Work Not Required
13689	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Sand Island, Horizon Lines	08/26/2020 03:00	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518052	88	Followup Work Not Required
13690	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson Navigation building	08/26/2020 02:58	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518054	89	Followup Work Required
13691	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing	08/26/2020 03:01	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518056	90	Followup Work Not Required
13692	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Sand Island	08/26/2020 02:59	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518058	91	Followup Work Not Required
13696	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing	08/26/2020 03:06	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518370	95	Followup Work Not Required
13697	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing	08/26/2020 03:03	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518410	96	Followup Work Not Required
13698	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51,	08/26/2020 02:27	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518476	97	Followup Work Not Required
13699	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing	08/26/2020 03:04	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518376	98	Followup Work Not Required
13700	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Molasses tanks	08/26/2020 02:38	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518378	99	Followup Work Not Required
13702	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson Tower	08/26/2020 01:34	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518414	102	Followup Work Required
13703	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52, Matson parking lot along Sand Island Parkway	08/26/2020 01:39	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528874	103	Followup Work Not Required
13704	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52, Matson parking lot along Sand Island Parkway; connected to trench drain	08/26/2020 01:38	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528876	104	Followup Work Not Required
13705	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52, Matson parking lot along Sand Island Parkway	08/26/2020 01:39	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528880	105	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13709	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/26/2020 02:49	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518466	112	Followup Work Not Required
13714	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52,	08/26/2020 10:32	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528662	120	Followup Work Not Required
13715	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52,	08/26/2020 10:31	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528664	121	Followup Work Not Required
13716	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53,	08/26/2020 10:30	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538668	122	Followup Work Not Required
13717	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52, Sand Island Container Yard 4	08/26/2020 01:32	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528690	123	Followup Work Not Required
13718	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52, Sand Island Container Yard 4	08/26/2020 01:31	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528692	124	Followup Work Not Required
13719	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, Container Yard 5	08/26/2020 10:20	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538696	125	Followup Work Not Required
13720	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, Container Yard 5	08/26/2020 10:04	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538698	126	Followup Work Required
13721	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53,	08/26/2020 10:30	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538670	127	Followup Work Not Required
13722	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, Container Yard 5	08/26/2020 09:46	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538700	128	Followup Work Required
13723	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53,	08/26/2020 10:22	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538672	129	Followup Work Not Required
13724	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Molasses tanks	08/26/2020 02:41	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518382	130	Followup Work Not Required
13725	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, CFS#2	08/26/2020 09:42	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538792	131	Followup Work Required
13727	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, CFS#2	08/26/2020 09:38	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538796	133	Followup Work Not Required
13728	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, CFS#2	08/26/2020 09:36	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538798	134	Followup Work Not Required
13732	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51,	08/26/2020 03:05	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518374	142	Followup Work Required
13734	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52,	08/26/2020 10:32	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528660	144	Followup Work Not Required
13763	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52, Matson Facilities and Management building (formerly CEM or Container Equipment Maintenance facility)	08/26/2020 02:18	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528734	199	Followup Work Not Required
13764	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53,	08/26/2020 10:19	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538868	200	Followup Work Not Required
13772	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/26/2020 02:51	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517944	209	Followup Work Not Required
13773	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/26/2020 02:51	8977	HONOLULU HARBOR	INLET STATUS	SDIHO517942	210	Followup Work Not Required
13997	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, CFS#2	08/26/2020 09:34	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538912	673	Followup Work Required
13998	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, Sand Island Cargo Yard 5	08/26/2020 09:46	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538910	674	Followup Work Required
14000	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52, CEM Building	08/26/2020 11:06	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528710	676	Followup Work Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14001	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52, CEM Building	08/26/2020 10:39	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528712	677	Followup Work Required
14002	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52, CEM Building	08/26/2020 10:38	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528714	678	Followup Work Required
14003	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52, CEM Building	08/26/2020 10:37	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528716	679	Followup Work Required
14004	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52, CEM Building	08/26/2020 10:36	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528718	680	Followup Work Required
14007	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, Matson Container Facility	08/26/2020 10:21	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538908	683	Followup Work Not Required
14008	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing	08/26/2020 02:48	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518468	684	Followup Work Not Required
14010	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing	08/26/2020 02:57	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518402	686	Followup Work Not Required
14011	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing lot	08/26/2020 02:46	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518474	687	Followup Work Not Required
14012	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing lot	08/26/2020 02:47	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518472	688	Followup Work Not Required
14014	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing lot	08/26/2020 03:02	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518408	690	Followup Work Not Required
14015	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing lot	08/26/2020 03:02	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518404	691	Followup Work Not Required
14016	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52, Matson Facilities and Management building (formerly CEM or Container Equipment Maintenance facility)	08/26/2020 02:23	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528730	692	Followup Work Not Required
14017	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52, Matson Facilities and Management building (formerly CEM or Container Equipment Maintenance facility)	08/26/2020 02:20	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528732	693	Followup Work Not Required
14018	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52, Matson Facilities and Management building (formerly CEM or Container Equipment Maintenance facility)	08/26/2020 02:14	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528738	694	Followup Work Required
14019	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52, Matson Facilities and Management building (formerly CEM or Container Equipment Maintenance facility)	08/26/2020 02:16	8977	HONOLULU HARBOR	INLET STATUS	SDIHO528736	695	Followup Work Not Required
14020	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO51, Horizon Lines	08/26/2020 02:55	8977	HONOLULU HARBOR	INLET STATUS	SDIHO518400	696	Followup Work Not Required
14032	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, Matson CFS	08/26/2020 10:34	8977	HONOLULU HARBOR	INLET STATUS	SDIHO538890	721	Followup Work Not Required
14122	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO52, Matson parking lot	08/26/2020 01:37	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528877	185	Followup Work Not Required
14139	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, Matson Facilities and Management Building	08/26/2020 02:15	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528765	214	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14140	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, Matson Facilities and Management building	08/26/2020 02:24	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528751	215	Followup Work Not Required
14141	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, Matson Facilities and Management Building	08/26/2020 02:19	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528757	216	Followup Work Not Required
14142	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, Matson Facilities and Management Building	08/26/2020 02:17	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528761	217	Followup Work Not Required
14143	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, Matson Facilities and Management Building	08/26/2020 02:15	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528769	218	Followup Work Not Required
14144	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, Matson Facilities and Management Building	08/26/2020 02:20	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528755	219	Followup Work Not Required
14145	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, Matson Facilities and Management Building	08/26/2020 02:19	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528759	220	Followup Work Not Required
14146	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, Matson Facilities and Management Building	08/26/2020 02:17	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528763	221	Followup Work Not Required
14147	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, Matson Facilities and Management Building	08/26/2020 02:13	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528771	222	Followup Work Required
14148	Storm Inlet Insp Screening	08/18/2020 08:00	Shimizu, Paul	CLOSED		HO53, Matson Facilities and Management Building	08/26/2020 02:22	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528753	223	Followup Work Not Required
13636	Storm Inlet Insp Screening	08/5/2020 09:30	Kahaleoumi, Wendell K	CLOSED		BP07,	08/5/2020 09:35	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077602	24	Followup Work Not Required
13635	Storm Inlet Insp Screening	08/5/2020 09:10	Kahaleoumi, Wendell K	CLOSED		BP07, Area 7	08/5/2020 09:29	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077402	23	Followup Work Not Required
13634	Storm Inlet Insp Screening	08/5/2020 09:00	Kahaleoumi, Wendell K	CLOSED		BP07, Area 7	08/5/2020 09:25	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077302	22	Followup Work Not Required
13637	Storm Inlet Insp Screening	08/5/2020 08:25	Kahaleoumi, Wendell K	CLOSED		BP07, Area 7	08/5/2020 09:20	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077202	25	Followup Work Not Required
13640	Storm Inlet Insp Screening	08/5/2020 06:55	Kahaleoumi, Wendell K	CLOSED		BP07,	08/5/2020 06:29	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077002	28	Followup Work Not Required
13639	Storm Inlet Insp Screening	08/5/2020 06:20	Kahaleoumi, Wendell K	CLOSED		BP06,	08/5/2020 06:27	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP066802	27	Followup Work Not Required
13638	Storm Inlet Insp Screening	08/5/2020 06:15	Kahaleoumi, Wendell K	CLOSED		BP06, Yard S-5	08/5/2020 06:25	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP066502	26	Followup Work Not Required
13633	Storm Inlet Insp Screening	08/4/2020 08:55	Kahaleoumi, Wendell K	CLOSED		BP06, Yard S-5	08/4/2020 09:24	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP066202	17	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14056	Storm Inlet Insp Screening	08/4/2020 08:50	Kahaleoumi, Wendell K	CLOSED		BP05,	08/4/2020 09:20	8977	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05001A	1	Followup Work Not Required
13623	Storm Inlet Insp Screening	08/4/2020 08:40	Kahaleoumi, Wendell K	CLOSED		BP05, Yard S-4	08/4/2020 09:15	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055902	18	Followup Work Not Required
13625	Storm Inlet Insp Screening	08/4/2020 08:35	Kahaleoumi, Wendell K	CLOSED		BP05,	08/4/2020 09:13	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055702	19	Followup Work Not Required
13629	Storm Inlet Insp Screening	08/4/2020 08:30	Kahaleoumi, Wendell K	CLOSED		BP05,	08/4/2020 09:12	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055502	20	Followup Work Not Required
13614	Storm Inlet Insp Screening	08/4/2020 08:25	Kahaleoumi, Wendell K	CLOSED		BP05, Yard S-4	08/4/2020 09:09	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055302	29	Followup Work Not Required
13622	Storm Inlet Insp Screening	08/4/2020 06:20	Kahaleoumi, Wendell K	CLOSED		BP05A, Yard 5A	08/4/2020 09:08	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055202	21	Followup Work Not Required
14072	Storm Inlet Insp Screening	08/3/2020 09:00	Kahaleoumi, Wendell K	CLOSED		BP06, Yard 6	08/3/2020 08:47	8977	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002J	15	Followup Work Not Required
14057	Storm Inlet Insp Screening	08/3/2020 08:55	Kahaleoumi, Wendell K	CLOSED		BP06, Yard 6	08/3/2020 08:42	8977	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002G	6	Followup Work Not Required
14062	Storm Inlet Insp Screening	08/3/2020 08:45	Kahaleoumi, Wendell K	CLOSED		BP05, Storage Yard S-4	08/3/2020 08:35	8977	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002D	12	Followup Work Not Required
14061	Storm Inlet Insp Screening	08/3/2020 08:25	Kahaleoumi, Wendell K	CLOSED		BP05, Yard 5	08/3/2020 08:33	8977	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002A	11	Followup Work Not Required
13632	Storm Inlet Insp Screening	08/3/2020 08:15	Kahaleoumi, Wendell K	CLOSED		BP07, coal conveyor	08/3/2020 08:17	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077102	16	Followup Work Not Required
13801	Storm Inlet Insp Screening	08/3/2020 08:15	Kahaleoumi, Wendell K	CLOSED		BP05A, Yard 5A	08/3/2020 08:23	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055002	264	Followup Work Not Required
14073	Storm Inlet Insp Screening	08/3/2020 07:15	Kahaleoumi, Wendell K	CLOSED		BP06, Yard 6	08/3/2020 08:13	8977	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002K	16	Followup Work Not Required
14070	Storm Inlet Insp Screening	08/3/2020 06:55	Kahaleoumi, Wendell K	CLOSED		BP06, Yard 6	08/3/2020 08:00	8977	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002H	7	Followup Work Not Required
14071	Storm Inlet Insp Screening	08/3/2020 06:45	Kahaleoumi, Wendell K	CLOSED		BP05, Storage Yard S-4	08/3/2020 06:42	8977	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002E	13	Followup Work Not Required
14059	Storm Inlet Insp Screening	08/3/2020 06:20	Kahaleoumi, Wendell K	CLOSED		BP05, Yard 5	08/3/2020 06:36	8977	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002B	9	Followup Work Not Required
14099	Storm Inlet Insp Screening	07/31/2020 08:00	Kahaleoumi, Wendell K	CLOSED		BP5A, Yard 5A	07/31/2020 06:53	8977	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP0502A1	144	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14101	Storm Inlet Insp Screening	07/31/2020 06:40	Kahaleoumi, Wendell K	CLOSED		BP5A, Transit Shed	07/31/2020 06:50	8977	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP0502B1	149	Followup Work Not Required
14100	Storm Inlet Insp Screening	07/31/2020 06:35	Kahaleoumi, Wendell K	CLOSED		BP5A, Transit Shed	07/31/2020 06:48	8977	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP0502C1	145	Followup Work Not Required
13631	Storm Inlet Insp Screening	07/30/2020 07:15	Kahaleoumi, Wendell K	CLOSED		BP07, Hawaiian Cement	07/30/2020 09:35	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077128	14	Followup Work Not Required
13616	Storm Inlet Insp Screening	07/30/2020 07:10	Kahaleoumi, Wendell K	CLOSED		BP07, Area 7	07/30/2020 09:21	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077115	15	Followup Work Not Required
14065	Storm Inlet Insp Screening	07/30/2020 07:00	Kahaleoumi, Wendell K	CLOSED		BP07, Hawaiian Cement	07/30/2020 09:19	8977	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP077135	152	Followup Work Not Required
14064	Storm Inlet Insp Screening	07/30/2020 06:45	Kahaleoumi, Wendell K	CLOSED		BP06, Yard 6	07/30/2020 09:17	8977	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002L	17	Followup Work Not Required
14058	Storm Inlet Insp Screening	07/30/2020 06:40	Kahaleoumi, Wendell K	CLOSED		BP06, Yard 6	07/30/2020 09:16	8977	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002I	8	Followup Work Not Required
14060	Storm Inlet Insp Screening	07/30/2020 06:30	Kahaleoumi, Wendell K	CLOSED		BP05, Yard 5	07/30/2020 09:10	8977	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002C	10	Followup Work Not Required
14063	Storm Inlet Insp Screening	07/30/2020 06:30	Kahaleoumi, Wendell K	CLOSED		BP05, Storage Yard S-4	07/30/2020 09:14	8977	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002F	14	Followup Work Not Required
13662	Storm Inlet Insp Screening	07/29/2020 06:30	Kahaleoumi, Wendell K	CLOSED		BP04,	07/29/2020 11:04	8977	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP044102	57	Followup Work Not Required
13913	Storm Inlet Insp Screening	07/11/2020 02:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	07/11/2020 03:16	8977	HONOLULU HARBOR	INLET STATUS	SDIHO232680	397	Followup Work Required
13781	Storm Inlet Insp Screening	07/11/2020 02:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, Warehouse #8	07/11/2020 03:17	8977	HONOLULU HARBOR	INLET STATUS	SDIHO232678	223	Followup Work Required
13891	Storm Inlet Insp Screening	07/11/2020 02:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	07/11/2020 03:15	8977	HONOLULU HARBOR	INLET STATUS	SDIHO232682	375	Followup Work Required
13889	Storm Inlet Insp Screening	07/11/2020 02:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	07/11/2020 03:06	8977	HONOLULU HARBOR	INLET STATUS	SDIHO232438	373	Followup Work Required
13888	Storm Inlet Insp Screening	07/11/2020 02:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	07/11/2020 03:08	8977	HONOLULU HARBOR	INLET STATUS	SDIHO232440	372	Followup Work Required
13915	Storm Inlet Insp Screening	07/11/2020 02:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, DHX yard	07/11/2020 03:05	8977	HONOLULU HARBOR	INLET STATUS	SDIHO232686	399	Followup Work Required
13890	Storm Inlet Insp Screening	07/11/2020 02:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	07/11/2020 03:10	8977	HONOLULU HARBOR	INLET STATUS	SDIHO232448	374	Followup Work Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13892	Storm Inlet Insp Screening	07/11/2020 02:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	07/11/2020 03:13	8977	HONOLULU HARBOR	INLET STATUS	SDIHO232442	376	Followup Work Required
14023	Storm Inlet Insp Screening	07/9/2020 02:30	nelson.a.javonillo@hawaii.gov	CLOSED		HO19, Pier 19 shed	07/9/2020 04:04	8977	HONOLULU HARBOR	INLET STATUS	SDIHO192484	700	Followup Work Required
13897	Storm Inlet Insp Screening	07/9/2020 02:30	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 8	07/9/2020 04:01	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202674	381	Followup Work Not Required
14137	Storm Inlet Insp Screening	07/9/2020 02:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, Pier 23 Shed	07/9/2020 03:56	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO232815	206	Followup Work Required
13916	Storm Inlet Insp Screening	07/9/2020 02:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, road fronting loading dock for DHX	07/9/2020 03:53	8977	HONOLULU HARBOR	INLET STATUS	SDIHO232812	400	Followup Work Not Required
13917	Storm Inlet Insp Screening	07/9/2020 02:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, road near Hawaii Flour Mills silos and loading dock for DHX	07/9/2020 03:51	8977	HONOLULU HARBOR	INLET STATUS	SDIHO232814	401	Followup Work Required
13919	Storm Inlet Insp Screening	07/9/2020 02:10	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, road on Diamond Head side of Hawaiian Flour Mill silos	07/9/2020 03:46	8977	HONOLULU HARBOR	INLET STATUS	SDIHO233008	403	Followup Work Required
13918	Storm Inlet Insp Screening	07/9/2020 02:10	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, road on Diamond Head side of Hawaiian Flour Mill silos	07/9/2020 03:50	8977	HONOLULU HARBOR	INLET STATUS	SDIHO233030	402	Followup Work Required
13920	Storm Inlet Insp Screening	07/9/2020 02:10	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, road on Diamond Head side of Hawaiian Flour Mill silos	07/9/2020 03:48	8977	HONOLULU HARBOR	INLET STATUS	SDIHO233006	404	Followup Work Required
13921	Storm Inlet Insp Screening	07/9/2020 02:10		CLOSED		HO23, McCabe, Hamilton and Renny, The Stevedores	07/9/2020 03:43	8977	HONOLULU HARBOR	INLET STATUS	SDIHO233010	405	Followup Work Required
13922	Storm Inlet Insp Screening	07/9/2020 02:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, Roadway at northeast corner of Pier 23	07/9/2020 03:40	8977	HONOLULU HARBOR	INLET STATUS	SDIHO233002	406	Followup Work Required
14031	Storm Inlet Insp Screening	07/9/2020 02:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO23,	07/9/2020 03:41	8977	HONOLULU HARBOR	INLET STATUS	SDIHO233004	720	Followup Work Required
14024	Storm Inlet Insp Screening	07/8/2020 03:40	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, Warehouse #6	07/8/2020 04:01	8977	HONOLULU HARBOR	INLET STATUS	SDIHO222806	702	Followup Work Required
14025	Storm Inlet Insp Screening	07/8/2020 03:40	nelson.a.javonillo@hawaii.gov	CLOSED		HO22,	07/8/2020 04:01	8977	HONOLULU HARBOR	INLET STATUS	SDIHO222802	703	Followup Work Required
13877	Storm Inlet Insp Screening	07/8/2020 03:40	nelson.a.javonillo@hawaii.gov	CLOSED		HO21, Pier 21 between Pier 21 Shed and Hawaiian Tug and Barge	07/8/2020 04:00	8977	HONOLULU HARBOR	INLET STATUS	SDIHO212792	358	Followup Work Required
13910	Storm Inlet Insp Screening	07/8/2020 03:30	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	07/8/2020 03:56	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202646	394	Followup Work Required
13908	Storm Inlet Insp Screening	07/8/2020 03:30	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	07/8/2020 03:53	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202648	392	Followup Work Not Required
13909	Storm Inlet Insp Screening	07/8/2020 03:30	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	07/8/2020 03:52	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202650	393	Followup Work Not Required
13911	Storm Inlet Insp Screening	07/8/2020 03:30	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	07/8/2020 03:57	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202642	395	Followup Work Required
14035	Storm Inlet Insp Screening	07/8/2020 03:20	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	07/8/2020 03:48	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202656	724	Followup Work Not Required
14036	Storm Inlet Insp Screening	07/8/2020 03:20	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	07/8/2020 03:49	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202654	725	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14038	Storm Inlet Insp Screening	07/8/2020 03:20	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	07/8/2020 03:51	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202652	728	Followup Work Not Required
13906	Storm Inlet Insp Screening	07/8/2020 03:20	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	07/8/2020 03:46	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202660	390	Followup Work Not Required
13907	Storm Inlet Insp Screening	07/8/2020 03:20	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	07/8/2020 03:47	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202658	391	Followup Work Not Required
13825	Storm Inlet Insp Screening	07/8/2020 03:10	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	07/8/2020 03:45	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202662	292	Followup Work Not Required
13903	Storm Inlet Insp Screening	07/8/2020 03:10	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	07/8/2020 03:43	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202666	387	Followup Work Not Required
13902	Storm Inlet Insp Screening	07/8/2020 03:10	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	07/8/2020 03:42	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202670	386	Followup Work Not Required
13904	Storm Inlet Insp Screening	07/8/2020 03:10	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	07/8/2020 03:41	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202672	388	Followup Work Not Required
13905	Storm Inlet Insp Screening	07/8/2020 03:10	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	07/8/2020 03:44	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202664	389	Followup Work Not Required
13937	Storm Inlet Insp Screening	07/8/2020 02:55	nelson.a.javonillo@hawaii.gov	CLOSED		HO21, Pier 21 shed	07/8/2020 03:36	8977	HONOLULU HARBOR	INLET STATUS	SDIHO212612	437	Followup Work Required
13938	Storm Inlet Insp Screening	07/8/2020 02:55	nelson.a.javonillo@hawaii.gov	CLOSED		HO21, Pier 21 shed	07/8/2020 03:38	8977	HONOLULU HARBOR	INLET STATUS	SDIHO212602	438	
13931	Storm Inlet Insp Screening	07/8/2020 02:50	nelson.a.javonillo@hawaii.gov	CLOSED		HO21, Southwest corner of ferry parking lot near across Warehouse 6 and Pier 21 building.	07/8/2020 03:34	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202700	416	Followup Work Not Required
14136	Storm Inlet Insp Screening	07/8/2020 02:45	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Ferry Terminal	07/8/2020 03:30	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO202701	205	Followup Work Not Required
13901	Storm Inlet Insp Screening	07/8/2020 02:40	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6 parking lot at Pier 20	07/8/2020 03:25	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202704	385	Followup Work Not Required
14124	Storm Inlet Insp Screening	07/8/2020 02:40	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Ferry Terminal	07/9/2020 08:13	8977	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO202703	191	Followup Work Not Required
13912	Storm Inlet Insp Screening	07/8/2020 02:30	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Pier 19 Ferry Terminal pakring	07/8/2020 03:23	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202584	396	Followup Work Not Required
13900	Storm Inlet Insp Screening	07/8/2020 02:30	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Pier 19 Ferry Terminal	07/8/2020 03:22	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202582	384	Followup Work Not Required
13899	Storm Inlet Insp Screening	07/8/2020 02:30	nelson.a.javonillo@hawaii.gov	CLOSED		HO19, Ferry Terminal parking lot at Pier 19	07/8/2020 03:20	8977	HONOLULU HARBOR	INLET STATUS	SDIHO202502	383	Followup Work Not Required
13893	Storm Inlet Insp Screening	07/8/2020 02:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO19, Ferry Terminal parking lot at Pier 19	07/8/2020 03:17	8977	HONOLULU HARBOR	INLET STATUS	SDIHO192544	377	Followup Work Not Required
13894	Storm Inlet Insp Screening	07/8/2020 02:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, Ferry Terminal parking lot at Pier 19	07/8/2020 03:14	8977	HONOLULU HARBOR	INLET STATUS	SDIHO192554	378	Followup Work Not Required
13896	Storm Inlet Insp Screening	07/8/2020 02:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO19, Ferry Terminal parking lot at Pier 19	07/8/2020 03:18	8977	HONOLULU HARBOR	INLET STATUS	SDIHO192504	380	Followup Work Not Required
13895	Storm Inlet Insp Screening	07/8/2020 02:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, Ferry Terminal parking lot at Pier 19	07/8/2020 03:13	8977	HONOLULU HARBOR	INLET STATUS	SDIHO192562	379	Followup Work Not Required
13914	Storm Inlet Insp Screening	07/8/2020 02:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO19, Pier 19 Ferry Terminal	07/8/2020 03:11	8977	HONOLULU HARBOR	INLET STATUS	SDIHO192520	398	Followup Work Not Required
13578	Storm Inlet Insp Screening	06/13/2020 01:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	06/13/2020 01:30	8769	HONOLULU HARBOR	INLET STATUS	SDIHO517802	61	
13583	Storm Inlet Insp Screening	06/13/2020 12:30	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, CFS#2	06/13/2020 01:32	8769	HONOLULU HARBOR	INLET STATUS	SDIHO538912	673	

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13585	Storm Inlet Insp Screening	06/9/2020 03:59	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	06/9/2020 03:59	8769	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO385057	2	
13586	Storm Inlet Insp Screening	06/9/2020 03:56	Kaili, Kahea	CLOSED		HO38, Commercial Fishing Village	06/9/2020 03:56	8769	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO385059	3	
13584	Storm Inlet Insp Screening	06/9/2020 03:51	Kaili, Kahea	CLOSED		HO18, Pier 18	06/9/2020 03:53	8769	HONOLULU HARBOR	INLET STATUS	SDIHO182306	439	
13582	Storm Inlet Insp Screening	06/9/2020 03:49	Kaili, Kahea	CLOSED		HO30,	06/9/2020 03:53	8769		INLET STATUS	SDIHO313904	521	
13579	Storm Inlet Insp Screening	06/9/2020 02:30	nelson.a.javonillo@hawaii.gov	CLOSED		HO26, Pier 26	06/10/2020 11:53	8769	HONOLULU HARBOR	INLET STATUS	SDIHO263592	136	
13581	Storm Inlet Insp Screening	06/9/2020 01:30	nelson.a.javonillo@hawaii.gov	CLOSED		HO08, Nimitz Highway	06/9/2020 03:42	8769		INLET STATUS	SDIHO081244	243	
13580	Storm Inlet Insp Screening	06/9/2020 01:30		CLOSED		HO08, Aloha Tower Market Place parking lot	06/9/2020 03:35	8769	HONOLULU HARBOR	INLET STATUS	SDIHO081240	240	
12540	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP05,		8362	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05001A	1	Followup Work Not Required
12545	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP06, Yard 6		8362	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002G	6	Followup Work Not Required
12546	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP06, Yard 6		8362	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002I	8	Followup Work Not Required
12547	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP05, Yard 5		8362	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002B	9	Followup Work Not Required
12548	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP05, Yard 5		8362	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002C	10	Followup Work Not Required
12549	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP05, Yard 5		8362	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002A	11	Followup Work Not Required
12550	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP05, Storage Yard S-4		8362	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002D	12	Followup Work Not Required
12551	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP05, Storage Yard S-4		8362	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002F	14	Followup Work Not Required
12552	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	CLOSED		BP06, Yard 6	12/7/2020 08:53	8362	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002L	17	Followup Work Not Required
12578	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP5A, Yard 5A		8362	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP0502A1	144	Followup Work Not Required
12579	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	CLOSED		BP07, Hawaiian Cement	12/7/2020 08:51	8362	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP077135	152	Followup Work Not Required
12656	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP06, Yard 6		8362	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002H	7	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12657	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP05, Storage Yard S-4		8362	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002E	13	Followup Work Not Required
12658	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP06, Yard 6		8362	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002J	15	Followup Work Not Required
12659	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP06, Yard 6		8362	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002K	16	Followup Work Not Required
12660	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP5A, Transit Shed		8362	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP0502C1	145	Followup Work Not Required
12661	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP5A, Transit Shed		8362	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP0502B1	149	Followup Work Not Required
12663	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP07, Hawaiian Cement		8362	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077128	14	Followup Work Not Required
12664	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP07, Area 7		8362	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077115	15	Followup Work Not Required
12665	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP07, coal conveyor		8362	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077102	16	Followup Work Not Required
12666	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP06, Yard S-5		8362	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP066202	17	Followup Work Not Required
12667	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP05, Yard S-4		8362	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055902	18	Followup Work Not Required
12668	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP05,		8362	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055702	19	Followup Work Not Required
12669	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP05,		8362	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055502	20	Followup Work Not Required
12670	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP05A, Yard 5A		8362	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055202	21	Followup Work Not Required
12671	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP07, Area 7		8362	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077302	22	Followup Work Not Required
12672	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP07, Area 7		8362	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077402	23	Followup Work Not Required
12673	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP07,		8362	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077602	24	Followup Work Not Required
12674	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP07, Area 7		8362	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077202	25	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12675	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP06, Yard S-5		8362	Kalaeloa Barbers Point Harbor	INLET STATUS	SDIBP066502	26	Followup Work Not Required
12676	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP06,		8362	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP066802	27	Followup Work Not Required
12677	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP07,		8362	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077002	28	Followup Work Not Required
12678	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP05, Yard S-4		8362	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055302	29	Followup Work Not Required
12700	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	CLOSED		BP04,	04/21/2020 02:06	8362	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP044102	57	
13105	Storm Inlet Insp Screening	04/1/2020 12:00	Williams, Logan	3 - WORK COMPLETE		BP05A, Yard 5A		8362	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055002	264	
13099	Storm Inlet Insp Screening	02/28/2020 08:36	Shimizu, Paul	3 - WORK COMPLETE		pier 15 scuppers		8362	HONOLULU HARBOR	INLET STATUS	SDIHO154365	4365	Followup Work Not Required
13095	Storm Inlet Insp Screening	02/28/2020 08:00	Shimizu, Paul	3 - WORK COMPLETE		pier 15 scuppers		8362	HONOLULU HARBOR	INLET STATUS	SDIHO154361	4361	Followup Work Not Required
13096	Storm Inlet Insp Screening	02/28/2020 08:00	Shimizu, Paul	3 - WORK COMPLETE		pier 15 scuppers		8362	HONOLULU HARBOR	INLET STATUS	SDIHO154367	4362	Followup Work Not Required
13092	Storm Inlet Insp Screening	02/28/2020 08:00	Shimizu, Paul	3 - WORK COMPLETE		pier 15 scuppers		8362	HONOLULU HARBOR	INLET STATUS	SDIHO154358	4358	Followup Work Not Required
12971	Storm Inlet Insp Screening	02/28/2020 08:00	Shimizu, Paul	3 - WORK COMPLETE		HO15, Pier 15 fire station parking lot		8362	HONOLULU HARBOR	INLET STATUS	SDIHO152202	421	Followup Work Not Required
13100	Storm Inlet Insp Screening	02/28/2020 08:00	Shimizu, Paul	3 - WORK COMPLETE		pier 15 scuppers		8362	HONOLULU HARBOR	INLET STATUS	SDIHO154366	4366	Followup Work Not Required
13091	Storm Inlet Insp Screening	02/28/2020 08:00	Shimizu, Paul	3 - WORK COMPLETE		pier 15 scuppers		8362	HONOLULU HARBOR	INLET STATUS	SDIHO154357	4357	Followup Work Not Required
13098	Storm Inlet Insp Screening	02/28/2020 08:00	Shimizu, Paul	3 - WORK COMPLETE		pier 15 scuppers		8362	HONOLULU HARBOR	INLET STATUS	SDIHO154364	4364	Followup Work Not Required
13097	Storm Inlet Insp Screening	02/28/2020 08:00	Shimizu, Paul	3 - WORK COMPLETE		pier 15 scuppers		8362	HONOLULU HARBOR	INLET STATUS	SDIHO154363	4363	Followup Work Not Required
13093	Storm Inlet Insp Screening	02/28/2020 08:00	Shimizu, Paul	3 - WORK COMPLETE		pier 15 scuppers		8362	HONOLULU HARBOR	INLET STATUS	SDIHO154359	4359	Followup Work Not Required
13094	Storm Inlet Insp Screening	02/28/2020 08:00	Shimizu, Paul	3 - WORK COMPLETE		pier 15 scuppers		8362	HONOLULU HARBOR	INLET STATUS	SDIHO154360	4360	Followup Work Not Required
12896	Storm Inlet Insp Screening	02/27/2020 03:50	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/27/2020 03:52	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091356	332	Followup Work Required
12747	Storm Inlet Insp Screening	02/25/2020 03:20	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Sand Island-Row V1, Stall #38	02/25/2020 03:20	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518146	110	Followup Work Required
13033	Storm Inlet Insp Screening	02/25/2020 03:17	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Sand Island Cargo Yard 5	02/25/2020 03:18	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538910	674	Followup Work Required
12566	Storm Inlet Insp Screening	02/25/2020 02:56	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Sand Island	02/25/2020 02:56	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518235	129	Followup Work Required
12567	Storm Inlet Insp Screening	02/25/2020 02:53	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Sand Island	02/25/2020 02:55	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518241	130	Followup Work Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12610	Storm Inlet Insp Screening	02/25/2020 02:50	nelson.a.javonillo@hawaii.gov	CLOSED		HO51C, Pier 51C	02/25/2020 02:50	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528213	199	
12609	Storm Inlet Insp Screening	02/25/2020 02:49	nelson.a.javonillo@hawaii.gov	CLOSED		HO51C, Pier 51C	02/25/2020 02:49	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518209	198	Followup Work Not Required
12593	Storm Inlet Insp Screening	02/25/2020 02:48	nelson.a.javonillo@hawaii.gov	CLOSED		HO51C, Pier 51C	02/25/2020 02:49	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518205	173	Followup Work Required
12608	Storm Inlet Insp Screening	02/25/2020 02:48	nelson.a.javonillo@hawaii.gov	CLOSED		HO51C, Pier 51C	02/25/2020 02:48	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518201	197	Followup Work Required
12607	Storm Inlet Insp Screening	02/25/2020 02:47	nelson.a.javonillo@hawaii.gov	CLOSED		HO51C, Pier 51C	02/25/2020 02:47	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518197	196	Followup Work Required
12606	Storm Inlet Insp Screening	02/25/2020 02:46	nelson.a.javonillo@hawaii.gov	CLOSED		HO51C, Pier 51C	02/25/2020 02:47	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518193	195	Followup Work Required
12605	Storm Inlet Insp Screening	02/25/2020 02:46	nelson.a.javonillo@hawaii.gov	CLOSED		HO51C, Pier 51C	02/25/2020 02:46	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518189	194	Followup Work Required
12604	Storm Inlet Insp Screening	02/25/2020 02:45	nelson.a.javonillo@hawaii.gov	CLOSED		HO51C, Pier 51C	02/25/2020 02:45	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518185	193	Followup Work Required
12603	Storm Inlet Insp Screening	02/25/2020 02:44	nelson.a.javonillo@hawaii.gov	CLOSED		HO51C, Pier 51C	02/25/2020 02:45	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518181	192	Followup Work Required
12565	Storm Inlet Insp Screening	02/25/2020 02:30	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Sand Island	02/25/2020 02:31	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518231	128	Followup Work Not Required
12806	Storm Inlet Insp Screening	02/25/2020 02:17	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Sand Island	02/25/2020 02:18	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518260	202	Followup Work Not Required
12553	Storm Inlet Insp Screening	02/25/2020 02:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson Sand Island facility	02/25/2020 02:16	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518265	71	Followup Work Not Required
12746	Storm Inlet Insp Screening	02/25/2020 02:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson Container Yard	02/25/2020 02:15	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518140	108	Followup Work Not Required
12601	Storm Inlet Insp Screening	02/25/2020 02:13	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Sand Island	02/25/2020 02:13	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518271	186	Followup Work Not Required
12749	Storm Inlet Insp Screening	02/25/2020 02:12	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson Container Yard	02/25/2020 02:12	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518360	115	Followup Work Not Required
12573	Storm Inlet Insp Screening	02/25/2020 02:11	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Sand Island-Row E14, Stall #03	02/25/2020 02:12	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518277	136	Followup Work Not Required
12735	Storm Inlet Insp Screening	02/25/2020 02:09	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson vehicle processing	02/25/2020 02:09	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518370	95	Followup Work Required
12611	Storm Inlet Insp Screening	02/25/2020 02:05	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Matson Container Facility	02/25/2020 02:07	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528541	200	Followup Work Required
12571	Storm Inlet Insp Screening	02/25/2020 01:32	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Sand Island	02/25/2020 01:32	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528601	134	Followup Work Not Required
12559	Storm Inlet Insp Screening	02/25/2020 01:29	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Sand Island	02/25/2020 01:30	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528611	122	Followup Work Not Required
12589	Storm Inlet Insp Screening	02/25/2020 01:28	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Sand Island	02/25/2020 01:29	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538613	169	Followup Work Not Required
12577	Storm Inlet Insp Screening	02/25/2020 01:26	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Sand Island	02/25/2020 01:26	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538617	142	Followup Work Not Required
13041	Storm Inlet Insp Screening	02/25/2020 01:23	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Matson Container Facility	02/25/2020 01:24	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538904	682	Followup Work Required
12575	Storm Inlet Insp Screening	02/25/2020 01:20	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Sand Island-Row A15, Stall #14	02/25/2020 01:20	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538619	140	Followup Work Not Required
12752	Storm Inlet Insp Screening	02/25/2020 01:16	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Sand Island	02/25/2020 01:16	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528510	119	Followup Work Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12599	Storm Inlet Insp Screening	02/25/2020 01:14	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Matson Container Yard	02/25/2020 01:15	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528517	184	Followup Work Required
12569	Storm Inlet Insp Screening	02/25/2020 01:09	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Sand Island	02/25/2020 01:09	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528637	132	Followup Work Required
12570	Storm Inlet Insp Screening	02/25/2020 01:08	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Sand Island-Row D19, Stall #35	02/25/2020 01:08	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528631	133	Followup Work Required
12740	Storm Inlet Insp Screening	02/25/2020 01:07	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson Container Yard-Roadway Near Row S8	02/25/2020 01:07	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518364	101	Followup Work Required
12560	Storm Inlet Insp Screening	02/25/2020 01:06	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Sand Island	02/25/2020 01:06	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528641	123	Followup Work Required
12591	Storm Inlet Insp Screening	02/25/2020 01:03	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Sand Island	02/25/2020 01:03	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538643	171	Followup Work Not Required
12590	Storm Inlet Insp Screening	02/25/2020 01:02	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Sand Island	02/25/2020 01:02	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538647	170	Followup Work Not Required
13040	Storm Inlet Insp Screening	02/25/2020 12:59	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Row A20, Stall #14	02/25/2020 01:00	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538906	681	Followup Work Not Required
12574	Storm Inlet Insp Screening	02/25/2020 12:58	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Sand Island-Row A20, Stall #14	02/25/2020 12:58	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538649	138	Followup Work Not Required
12760	Storm Inlet Insp Screening	02/25/2020 12:53	nelson.a.javonillo@hawaii.gov	CLOSED		HO53,	02/25/2020 12:54	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538670	127	Followup Work Not Required
12762	Storm Inlet Insp Screening	02/25/2020 12:52	nelson.a.javonillo@hawaii.gov	CLOSED		HO53,	02/25/2020 12:52	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538672	129	Followup Work Not Required
13042	Storm Inlet Insp Screening	02/25/2020 12:51	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Matson Container Facility	02/25/2020 12:51	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538908	683	Followup Work Not Required
12757	Storm Inlet Insp Screening	02/25/2020 12:47	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Sand Island Container Yard 4	02/25/2020 12:48	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528692	124	Followup Work Not Required
12756	Storm Inlet Insp Screening	02/25/2020 12:47	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Sand Island Container Yard 4	02/25/2020 12:47	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528690	123	Followup Work Not Required
12705	Storm Inlet Insp Screening	02/25/2020 12:45	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Sand Island	02/25/2020 12:45	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528680	64	Followup Work Required
12768	Storm Inlet Insp Screening	02/25/2020 12:44	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Sand Island	02/25/2020 12:45	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528682	135	Followup Work Required
12707	Storm Inlet Insp Screening	02/25/2020 11:55	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Sand Island	02/25/2020 11:56	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528684	66	Followup Work Not Required
12769	Storm Inlet Insp Screening	02/25/2020 11:54	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Sand Island	02/25/2020 11:55	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528688	137	Followup Work Required
12845	Storm Inlet Insp Screening	02/24/2020 01:08	nelson.a.javonillo@hawaii.gov	CLOSED		HO01, Pier 1 container yard	02/24/2020 01:09	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010112	272	Followup Work Not Required
12813	Storm Inlet Insp Screening	02/24/2020 10:40	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/24/2020 10:41	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517942	210	Followup Work Not Required
12812	Storm Inlet Insp Screening	02/24/2020 10:40	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/24/2020 10:40	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517944	209	Followup Work Not Required
12702	Storm Inlet Insp Screening	02/24/2020 10:38	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Parking lot outside of Horizon Lines	02/24/2020 10:39	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517804	59	Followup Work Not Required
12701	Storm Inlet Insp Screening	02/24/2020 10:37	nelson.a.javonillo@hawaii.gov	CLOSED		HO51,	02/24/2020 10:38	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517806	58	Followup Work Not Required
12751	Storm Inlet Insp Screening	02/23/2020 01:49	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Sand Island	02/23/2020 01:50	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518026	118	Followup Work Required
12568	Storm Inlet Insp Screening	02/23/2020 01:48	nelson.a.javonillo@hawaii.gov	CLOSED		HO51C, Sand Island	02/23/2020 01:48	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518031	131	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12726	Storm Inlet Insp Screening	02/23/2020 01:46	nelson.a.javonillo@hawaii.gov	CLOSED		HO51B,	02/23/2020 01:47	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518084	86	Followup Work Not Required
12727	Storm Inlet Insp Screening	02/23/2020 01:45	nelson.a.javonillo@hawaii.gov	CLOSED		HO51B,	02/23/2020 01:46	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518082	87	Followup Work Not Required
12725	Storm Inlet Insp Screening	02/23/2020 01:43	nelson.a.javonillo@hawaii.gov	CLOSED		HO51B, Horizon Lines	02/23/2020 01:44	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518074	85	Followup Work Not Required
12770	Storm Inlet Insp Screening	02/23/2020 01:41	nelson.a.javonillo@hawaii.gov	CLOSED		HO51B,	02/23/2020 01:42	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518072	139	Followup Work Not Required
12722	Storm Inlet Insp Screening	02/23/2020 01:40	nelson.a.javonillo@hawaii.gov	CLOSED		HO51,	02/23/2020 01:40	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518002	82	Followup Work Not Required
12724	Storm Inlet Insp Screening	02/23/2020 01:39	nelson.a.javonillo@hawaii.gov	CLOSED		HO51,	02/23/2020 01:39	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518004	84	Followup Work Required
12709	Storm Inlet Insp Screening	02/23/2020 01:37	nelson.a.javonillo@hawaii.gov	CLOSED		HO51A, Sand Island	02/23/2020 01:38	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517962	68	Followup Work Not Required
12723	Storm Inlet Insp Screening	02/23/2020 01:36	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/23/2020 01:37	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517964	83	Followup Work Required
12708	Storm Inlet Insp Screening	02/23/2020 01:35	nelson.a.javonillo@hawaii.gov	CLOSED		HO51A, Horizon Lines	02/23/2020 01:36	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517882	67	Followup Work Not Required
12706	Storm Inlet Insp Screening	02/23/2020 01:34	nelson.a.javonillo@hawaii.gov	CLOSED		HO51A, Sand Island	02/23/2020 01:35	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517852	65	Followup Work Not Required
13101	Storm Inlet Insp Screening	02/23/2020 01:32	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/23/2020 01:32	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517802	61	Followup Work Required
12720	Storm Inlet Insp Screening	02/23/2020 01:30	nelson.a.javonillo@hawaii.gov	CLOSED		HO51A, Horizon Lines	02/23/2020 01:31	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517884	80	Followup Work Not Required
12704	Storm Inlet Insp Screening	02/23/2020 01:29	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Sand Island	02/23/2020 01:29	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517854	62	Followup Work Required
12703	Storm Inlet Insp Screening	02/23/2020 01:27	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Sand Island	02/23/2020 01:27	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517810	60	Followup Work Required
12710	Storm Inlet Insp Screening	02/23/2020 01:26	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/23/2020 01:26	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517886	70	Followup Work Required
12771	Storm Inlet Insp Screening	02/23/2020 01:25		CLOSED		HO51, Horizon Lines	02/23/2020 01:25	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517888	140	Followup Work Not Required
12711	Storm Inlet Insp Screening	02/23/2020 01:24	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/23/2020 01:24	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517890	71	Followup Work Not Required
12716	Storm Inlet Insp Screening	02/23/2020 01:22	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Sand Island	02/23/2020 01:22	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517894	76	Followup Work Not Required
12712	Storm Inlet Insp Screening	02/23/2020 01:21	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/23/2020 01:21	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517892	72	Followup Work Required
12713	Storm Inlet Insp Screening	02/23/2020 01:19	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/23/2020 01:19	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517896	73	Followup Work Required
12808	Storm Inlet Insp Screening	02/23/2020 01:17	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/23/2020 01:18	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517926	204	Followup Work Required
12717	Storm Inlet Insp Screening	02/23/2020 01:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/23/2020 01:15	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517898	77	Followup Work Not Required
12715	Storm Inlet Insp Screening	02/23/2020 01:11	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/23/2020 01:11	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517900	75	Followup Work Required
12714	Storm Inlet Insp Screening	02/23/2020 01:10	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/23/2020 01:10	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517902	74	Followup Work Not Required
12809	Storm Inlet Insp Screening	02/23/2020 01:08	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/23/2020 01:08	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517930	205	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12810	Storm Inlet Insp Screening	02/23/2020 01:07	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/23/2020 01:07	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517932	206	Followup Work Required
12811	Storm Inlet Insp Screening	02/23/2020 01:01	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines yard	02/23/2020 01:02	8362	HONOLULU HARBOR	INLET STATUS	SDIHO517940	208	Followup Work Not Required
13055	Storm Inlet Insp Screening	02/23/2020 12:59	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/23/2020 12:59	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518400	696	Followup Work Not Required
12718	Storm Inlet Insp Screening	02/23/2020 12:58	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/23/2020 12:58	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518012	78	Followup Work Not Required
12719	Storm Inlet Insp Screening	02/23/2020 12:57	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/23/2020 12:57	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518010	79	Followup Work Required
12728	Storm Inlet Insp Screening	02/23/2020 12:56	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Sand Island, Horizon Lines	02/23/2020 12:56	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518052	88	Followup Work Required
12729	Storm Inlet Insp Screening	02/23/2020 12:55	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson Navigation building	02/23/2020 12:55	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518054	89	Followup Work Not Required
12731	Storm Inlet Insp Screening	02/23/2020 12:54	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Sand Island	02/23/2020 12:54	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518058	91	Followup Work Not Required
12730	Storm Inlet Insp Screening	02/23/2020 12:53	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson vehicle processing	02/23/2020 12:53	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518056	90	Followup Work Not Required
12721	Storm Inlet Insp Screening	02/23/2020 12:51	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/23/2020 12:51	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518464	81	Followup Work Not Required
12748	Storm Inlet Insp Screening	02/23/2020 12:50	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Horizon Lines	02/23/2020 12:50	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518466	112	Followup Work Not Required
13043	Storm Inlet Insp Screening	02/23/2020 12:49	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson vehicle processing	02/23/2020 12:49	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518468	684	Followup Work Not Required
13048	Storm Inlet Insp Screening	02/23/2020 12:48	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson vehicle processing lot. 3 painted in black	02/23/2020 12:48	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518470	689	Followup Work Not Required
13047	Storm Inlet Insp Screening	02/23/2020 12:47	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson vehicle processing lot	02/23/2020 12:47	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518472	688	Followup Work Not Required
13046	Storm Inlet Insp Screening	02/23/2020 12:46	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson vehicle processing lot	02/23/2020 12:47	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518474	687	Followup Work Not Required
12737	Storm Inlet Insp Screening	02/23/2020 12:45	nelson.a.javonillo@hawaii.gov	CLOSED		HO51,	02/23/2020 12:46	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518476	97	Followup Work Not Required
13050	Storm Inlet Insp Screening	02/23/2020 12:45	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson vehicle processing lot	02/23/2020 12:45	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518404	691	Followup Work Not Required
13049	Storm Inlet Insp Screening	02/23/2020 12:44	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson vehicle processing lot	02/23/2020 12:44	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518408	690	Followup Work Not Required
12763	Storm Inlet Insp Screening	02/23/2020 12:42	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Molasses tanks	02/23/2020 12:43	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518382	130	Followup Work Required
12739	Storm Inlet Insp Screening	02/23/2020 12:41	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Molasses tanks	02/23/2020 12:41	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518378	99	Followup Work Not Required
12738	Storm Inlet Insp Screening	02/23/2020 12:39	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson vehicle processing	02/23/2020 12:39	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518376	98	Followup Work Required
12736	Storm Inlet Insp Screening	02/23/2020 12:36	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson vehicle processing	02/23/2020 12:36	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518410	96	Followup Work Required
12734	Storm Inlet Insp Screening	02/23/2020 12:35	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson vehicle processing	02/23/2020 12:35	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518372	94	Followup Work Not Required
12732	Storm Inlet Insp Screening	02/23/2020 12:31	nelson.a.javonillo@hawaii.gov	CLOSED		HO51,	02/23/2020 12:32	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518152	92	Followup Work Required
12564	Storm Inlet Insp Screening	02/23/2020 12:26	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Sand Island	02/23/2020 12:27	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518285	127	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12733	Storm Inlet Insp Screening	02/23/2020 12:25	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson Container Yard	02/23/2020 12:26	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518150	93	Followup Work Not Required
12562	Storm Inlet Insp Screening	02/23/2020 12:25	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Sand Island	02/23/2020 12:25	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518291	125	Followup Work Not Required
12745	Storm Inlet Insp Screening	02/23/2020 12:23	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson Container Yard	02/23/2020 12:24	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518366	106	Followup Work Not Required
12772	Storm Inlet Insp Screening	02/23/2020 12:22	nelson.a.javonillo@hawaii.gov	CLOSED		HO51,	02/23/2020 12:22	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518374	142	Followup Work Required
12741	Storm Inlet Insp Screening	02/23/2020 12:13	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, Matson Tower	02/23/2020 12:13	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518414	102	Followup Work Required
13034	Storm Inlet Insp Screening	02/23/2020 12:12	nelson.a.javonillo@hawaii.gov	CLOSED		HO51, main entrance	02/23/2020 12:12	8362	HONOLULU HARBOR	INLET STATUS	SDIHO518416	675	Followup Work Required
13039	Storm Inlet Insp Screening	02/23/2020 12:05	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, CEM Building	02/23/2020 12:05	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528718	680	Followup Work Not Required
13038	Storm Inlet Insp Screening	02/23/2020 12:04	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, CEM Building	02/23/2020 12:05	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528716	679	Followup Work Required
13037	Storm Inlet Insp Screening	02/23/2020 12:03	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, CEM Building	02/23/2020 12:04	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528714	678	Followup Work Required
13036	Storm Inlet Insp Screening	02/23/2020 12:01	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, CEM Building	02/23/2020 12:01	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528712	677	Followup Work Required
13035	Storm Inlet Insp Screening	02/23/2020 12:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, CEM Building	02/23/2020 12:00	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528710	676	Followup Work Required
12618	Storm Inlet Insp Screening	02/23/2020 11:59	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Matson Facilities and Management building	02/23/2020 11:59	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528751	215	Followup Work Not Required
13051	Storm Inlet Insp Screening	02/23/2020 11:58	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Matson Facilities and Management building (formerly CEM or Container Equipment Maintenance facility)	02/23/2020 11:58	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528730	692	Followup Work Not Required
12662	Storm Inlet Insp Screening	02/23/2020 11:57	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Matson Facilities and Management Building	02/23/2020 11:58	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528753	223	Followup Work Not Required
12622	Storm Inlet Insp Screening	02/23/2020 11:56	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Matson Facilities and Management Building	02/23/2020 11:57	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528755	219	Followup Work Not Required
13052	Storm Inlet Insp Screening	02/23/2020 11:56	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Matson Facilities and Management building (formerly CEM or Container Equipment Maintenance facility)	02/23/2020 11:56	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528732	693	Followup Work Not Required
12619	Storm Inlet Insp Screening	02/23/2020 11:55	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Matson Facilities and Management Building	02/23/2020 11:55	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528757	216	Followup Work Not Required
12623	Storm Inlet Insp Screening	02/23/2020 11:54	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Matson Facilities and Management Building	02/23/2020 11:54	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528759	220	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12803	Storm Inlet Insp Screening	02/23/2020 11:53	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Matson Facilities and Management building (formerly CEM or Container Equipment Maintenance facility)	02/23/2020 11:54	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528734	199	Followup Work Not Required
12620	Storm Inlet Insp Screening	02/23/2020 11:51	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Matson Facilities and Management Building	02/23/2020 11:52	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528761	217	Followup Work Not Required
12624	Storm Inlet Insp Screening	02/23/2020 11:50	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Matson Facilities and Management Building	02/23/2020 11:51	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528763	221	Followup Work Not Required
13054	Storm Inlet Insp Screening	02/23/2020 11:50	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Matson Facilities and Management building (formerly CEM or Container Equipment Maintenance facility)	02/23/2020 11:50	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528736	695	Followup Work Not Required
12617	Storm Inlet Insp Screening	02/23/2020 11:49	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Matson Facilities and Management Building	02/23/2020 11:49	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528765	214	Followup Work Not Required
12621	Storm Inlet Insp Screening	02/23/2020 11:48	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Matson Facilities and Management Building	02/23/2020 11:48	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528769	218	Followup Work Not Required
13053	Storm Inlet Insp Screening	02/23/2020 11:47	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Matson Facilities and Management building (formerly CEM or Container Equipment Maintenance facility)	02/23/2020 11:47	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528738	694	Followup Work Not Required
12625	Storm Inlet Insp Screening	02/23/2020 11:46	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Matson Facilities and Management Building	02/23/2020 11:47	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528771	222	Followup Work Not Required
12744	Storm Inlet Insp Screening	02/23/2020 11:33	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Matson parking lot along Sand Island Parkway	02/23/2020 11:34	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528880	105	Followup Work Not Required
12600	Storm Inlet Insp Screening	02/23/2020 11:32	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Matson parking lot	02/23/2020 11:32	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528877	185	Followup Work Not Required
12743	Storm Inlet Insp Screening	02/23/2020 11:31	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Matson parking lot along Sand Island Parkway; connected to trench drain	02/23/2020 11:31	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528876	104	Followup Work Not Required
12742	Storm Inlet Insp Screening	02/23/2020 11:29	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Matson parking lot along Sand Island Parkway	02/23/2020 11:30	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528874	103	Followup Work Required
12761	Storm Inlet Insp Screening	02/23/2020 11:25	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Container Yard 5	02/23/2020 11:26	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538700	128	Followup Work Not Required
12774	Storm Inlet Insp Screening	02/23/2020 11:22		CLOSED		HO52,	02/23/2020 11:23	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528660	144	Followup Work Required
12753	Storm Inlet Insp Screening	02/23/2020 11:20	nelson.a.javonillo@hawaii.gov	CLOSED		HO52,	02/23/2020 11:20	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528662	120	Followup Work Not Required
12754	Storm Inlet Insp Screening	02/23/2020 11:19	nelson.a.javonillo@hawaii.gov	CLOSED		HO52,	02/23/2020 11:20	8362	HONOLULU HARBOR	INLET STATUS	SDIHO528664	121	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12755	Storm Inlet Insp Screening	02/23/2020 11:18	nelson.a.javonillo@hawaii.gov	CLOSED		HO53,	02/23/2020 11:18	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538668	122	Followup Work Not Required
12759	Storm Inlet Insp Screening	02/23/2020 11:17	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Container Yard 5	02/23/2020 11:17	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538698	126	Followup Work Required
12758	Storm Inlet Insp Screening	02/23/2020 11:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Container Yard 5	02/23/2020 11:16	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538696	125	Followup Work Required
12804	Storm Inlet Insp Screening	02/23/2020 11:10	nelson.a.javonillo@hawaii.gov	CLOSED		HO53,	02/23/2020 11:11	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538868	200	Followup Work Required
13067	Storm Inlet Insp Screening	02/23/2020 11:08	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Matson CFS	02/23/2020 11:09	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538890	721	Followup Work Required
12764	Storm Inlet Insp Screening	02/23/2020 11:06	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, CFS#2	02/23/2020 11:06	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538792	131	Followup Work Required
12765	Storm Inlet Insp Screening	02/23/2020 11:04	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, CFS#2	02/23/2020 11:04	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538794	132	Followup Work Not Required
12766	Storm Inlet Insp Screening	02/23/2020 11:03	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, CFS#2	02/23/2020 11:03	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538796	133	Followup Work Not Required
12767	Storm Inlet Insp Screening	02/23/2020 11:02	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, CFS#2	02/23/2020 11:03	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538798	134	Followup Work Not Required
13109	Storm Inlet Insp Screening	02/23/2020 10:59	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, CFS#2	02/23/2020 11:02	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538912	673	Followup Work Required
12846	Storm Inlet Insp Screening	02/19/2020 03:53	nelson.a.javonillo@hawaii.gov	CLOSED		HO01, Pier 1 container yard	02/19/2020 03:55	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010122	273	Followup Work Not Required
12841	Storm Inlet Insp Screening	02/19/2020 03:51	nelson.a.javonillo@hawaii.gov	CLOSED		HO01, Pier 1 container yard	02/19/2020 03:52	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010202	267	Followup Work Required
12840	Storm Inlet Insp Screening	02/19/2020 03:45	nelson.a.javonillo@hawaii.gov	CLOSED		HO01, Pier 1 container yard	02/19/2020 03:45	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010152	266	Followup Work Required
12858	Storm Inlet Insp Screening	02/19/2020 03:43	nelson.a.javonillo@hawaii.gov	CLOSED		HO01, Pier 1 yard	02/19/2020 03:44	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010162	290	Followup Work Not Required
13106	Storm Inlet Insp Screening	02/19/2020 03:34	nelson.a.javonillo@hawaii.gov	CLOSED		HO01, Pier 1 container yard	02/19/2020 03:35	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010212	270	Followup Work Not Required
12862	Storm Inlet Insp Screening	02/19/2020 01:20	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Irwin Park	02/19/2020 01:21	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091296	296	Followup Work Required
13072	Storm Inlet Insp Screening	02/19/2020 01:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO11, Pier 11 shed	02/19/2020 01:15	8362	HONOLULU HARBOR	INLET STATUS	SDIHO111744	727	Followup Work Required
12778	Storm Inlet Insp Screening	02/19/2020 01:13	nelson.a.javonillo@hawaii.gov	CLOSED		HO11, Pier 11 shed	02/19/2020 01:13	8362	HONOLULU HARBOR	INLET STATUS	SDIHO111764	159	Followup Work Required
13074	Storm Inlet Insp Screening	02/19/2020 01:11	nelson.a.javonillo@hawaii.gov	CLOSED		11, Pier 11	02/19/2020 01:12	8362	HONOLULU HARBOR	INLET STATUS	SDIHO111762	765	Followup Work Required
12779	Storm Inlet Insp Screening	02/19/2020 01:08	nelson.a.javonillo@hawaii.gov	CLOSED		HO11, Pier 11 shed	02/19/2020 01:09	8362	HONOLULU HARBOR	INLET STATUS	SDIHO111794	160	Followup Work Required
13108	Storm Inlet Insp Screening	02/14/2020 04:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO01, Pier 1 container yard	02/14/2020 04:16	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010254	276	Followup Work Not Required
13107	Storm Inlet Insp Screening	02/14/2020 04:14	nelson.a.javonillo@hawaii.gov	CLOSED		HO01, Pier 1 container yard	02/14/2020 04:15	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010252	275	Followup Work Not Required
12847	Storm Inlet Insp Screening	02/14/2020 04:12	nelson.a.javonillo@hawaii.gov	CLOSED		HO01, Pier 1 container yard	02/14/2020 04:14	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010224	274	Followup Work Not Required
12842	Storm Inlet Insp Screening	02/14/2020 04:11	nelson.a.javonillo@hawaii.gov	CLOSED		HO01, Pier 1 container yard	02/14/2020 04:12	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010208	268	Followup Work Not Required
12843	Storm Inlet Insp Screening	02/14/2020 04:07	nelson.a.javonillo@hawaii.gov	CLOSED		HO01, Pier 1 container yard	02/14/2020 04:10	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010210	269	Followup Work Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13075	Storm Inlet Insp Screening	02/14/2020 04:05	nelson.a.javonillo@hawaii.gov	CLOSED		1, pier 1	02/14/2020 04:06	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010213	766	Followup Work Required
12844	Storm Inlet Insp Screening	02/14/2020 04:03	nelson.a.javonillo@hawaii.gov	CLOSED		HO01, Pier 1 container yard	02/14/2020 04:04	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010214	271	Followup Work Required
12815	Storm Inlet Insp Screening	02/14/2020 03:24	nelson.a.javonillo@hawaii.gov	CLOSED		HO01, Pier 1	02/14/2020 03:25	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010102	212	Followup Work Required
12780	Storm Inlet Insp Screening	02/14/2020 03:23	nelson.a.javonillo@hawaii.gov	CLOSED		HO02, Pier 2 yard	02/14/2020 03:24	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010172	176	Followup Work Not Required
12781	Storm Inlet Insp Screening	02/14/2020 03:21	nelson.a.javonillo@hawaii.gov	CLOSED		HO02, Pier 2 yard	02/14/2020 03:22	8362	HONOLULU HARBOR	INLET STATUS	SDIHO020178	177	Followup Work Not Required
12783	Storm Inlet Insp Screening	02/14/2020 03:20	nelson.a.javonillo@hawaii.gov	CLOSED		HO02, Pier 2 yard	02/14/2020 03:21	8362	HONOLULU HARBOR	INLET STATUS	SDIHO020174	179	Followup Work Not Required
12782	Storm Inlet Insp Screening	02/14/2020 03:14	nelson.a.javonillo@hawaii.gov	CLOSED		HO02, Pier 2 yard	02/14/2020 03:20	8362	HONOLULU HARBOR	INLET STATUS	SDIHO020176	178	Followup Work Required
13063	Storm Inlet Insp Screening	02/14/2020 03:12	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/14/2020 03:14	8362		INLET STATUS	SDIHO020512	717	Followup Work Required
13062	Storm Inlet Insp Screening	02/14/2020 03:09	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/14/2020 03:12	8362		INLET STATUS	SDIHO020510	716	Followup Work Required
12852	Storm Inlet Insp Screening	02/14/2020 03:07	nelson.a.javonillo@hawaii.gov	CLOSED		HO02, Channel Street	02/14/2020 03:09	8362	HONOLULU HARBOR	INLET STATUS	SDIHO020640	284	Followup Work Required
13090	Storm Inlet Insp Screening	02/14/2020 10:47	nelson.a.javonillo@hawaii.gov	CLOSED		Pier 12	02/14/2020 10:47	8362	HONOLULU HARBOR	INLET STATUS	SDIHO123959	3958	Followup Work Not Required
13089	Storm Inlet Insp Screening	02/14/2020 10:45	nelson.a.javonillo@hawaii.gov	CLOSED		Pier 12	02/14/2020 10:46	8362	HONOLULU HARBOR	INLET STATUS	SDIHO123957	3957	Followup Work Not Required
12802	Storm Inlet Insp Screening	02/13/2020 02:07	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 02:08	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010292	198	Followup Work Not Required
12801	Storm Inlet Insp Screening	02/13/2020 02:06	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 02:07	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010290	197	Followup Work Not Required
12800	Storm Inlet Insp Screening	02/13/2020 02:06	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 02:06	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010288	196	Followup Work Not Required
12799	Storm Inlet Insp Screening	02/13/2020 02:04	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 02:05	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010286	195	Followup Work Not Required
12798	Storm Inlet Insp Screening	02/13/2020 02:03	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 02:04	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010284	194	Followup Work Not Required
12797	Storm Inlet Insp Screening	02/13/2020 02:02	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 02:03	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010282	193	Followup Work Not Required
12796	Storm Inlet Insp Screening	02/13/2020 02:01	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 02:02	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010280	192	Followup Work Not Required
12795	Storm Inlet Insp Screening	02/13/2020 02:01	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 02:01	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010278	191	Followup Work Not Required
12794	Storm Inlet Insp Screening	02/13/2020 01:59	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 02:00	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010276	190	Followup Work Not Required
12793	Storm Inlet Insp Screening	02/13/2020 01:58	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 01:59	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010274	189	Followup Work Not Required
12792	Storm Inlet Insp Screening	02/13/2020 01:56	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 01:58	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010272	188	Followup Work Required
12791	Storm Inlet Insp Screening	02/13/2020 01:52	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 01:53	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010270	187	Followup Work Not Required
12790	Storm Inlet Insp Screening	02/13/2020 01:51	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 01:52	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010268	186	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12789	Storm Inlet Insp Screening	02/13/2020 01:50	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 01:51	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010266	185	Followup Work Not Required
12788	Storm Inlet Insp Screening	02/13/2020 01:49	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 01:49	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010264	184	Followup Work Not Required
12787	Storm Inlet Insp Screening	02/13/2020 01:48	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 01:49	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010262	183	Followup Work Not Required
12786	Storm Inlet Insp Screening	02/13/2020 01:47	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 01:47	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010260	182	Followup Work Not Required
12785	Storm Inlet Insp Screening	02/13/2020 01:46	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 01:46	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010258	181	Followup Work Not Required
12784	Storm Inlet Insp Screening	02/13/2020 01:27	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 01:28	8362	HONOLULU HARBOR	INLET STATUS	SDIHO010256	180	Followup Work Not Required
12857	Storm Inlet Insp Screening	02/13/2020 01:22	nelson.a.javonillo@hawaii.gov	CLOSED		HO02, Channel Street	02/13/2020 01:23	8362		INLET STATUS	SDIHO020508	289	Followup Work Required
12856	Storm Inlet Insp Screening	02/13/2020 01:20	nelson.a.javonillo@hawaii.gov	CLOSED		HO02, Channel Street	02/13/2020 01:21	8362		INLET STATUS	SDIHO020520	288	Followup Work Required
12855	Storm Inlet Insp Screening	02/13/2020 01:18	nelson.a.javonillo@hawaii.gov	CLOSED		HO02, Channel Street	02/13/2020 01:19	8362	HONOLULU HARBOR	INLET STATUS	SDIHO020522	287	Followup Work Required
12851	Storm Inlet Insp Screening	02/13/2020 01:16	nelson.a.javonillo@hawaii.gov	CLOSED		HO02, Channel Street	02/13/2020 01:17	8362	HONOLULU HARBOR	INLET STATUS	SDIHO020650	283	Followup Work Required
12853	Storm Inlet Insp Screening	02/13/2020 01:13	nelson.a.javonillo@hawaii.gov	CLOSED		HO02, Channel Street	02/13/2020 01:14	8362	HONOLULU HARBOR	INLET STATUS	SDIHO020642	285	Followup Work Required
12854	Storm Inlet Insp Screening	02/13/2020 01:10	nelson.a.javonillo@hawaii.gov	CLOSED		HO02, Channel Street	02/13/2020 01:12	8362	HONOLULU HARBOR	INLET STATUS	SDIHO020644	286	Followup Work Required
13065	Storm Inlet Insp Screening	02/13/2020 01:07	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 01:08	8362		INLET STATUS	SDIHO020814	719	Followup Work Required
13064	Storm Inlet Insp Screening	02/13/2020 11:08	nelson.a.javonillo@hawaii.gov	CLOSED		HO02,	02/13/2020 01:06	8362		INLET STATUS	SDIHO020812	718	Followup Work Required
13080	Storm Inlet Insp Screening	02/13/2020 11:06	nelson.a.javonillo@hawaii.gov	CLOSED			02/13/2020 11:07	8362		INLET STATUS	SDIHO0538914	785	Followup Work Required
12839	Storm Inlet Insp Screening	02/13/2020 11:04	nelson.a.javonillo@hawaii.gov	CLOSED		HO02, Access Road between FTZ and Ala Moana Boulevard	02/13/2020 11:05	8362		INLET STATUS	SDIHO020810	265	Followup Work Required
12850	Storm Inlet Insp Screening	02/13/2020 11:03	nelson.a.javonillo@hawaii.gov	CLOSED		HO02, Access Road between FTZ and Ala Moana Boulevard	02/13/2020 11:04	8362		INLET STATUS	SDIHO020808	279	Followup Work Required
12849	Storm Inlet Insp Screening	02/13/2020 11:01	nelson.a.javonillo@hawaii.gov	CLOSED		HO02, Access Road between FTZ and Ala Moana Boulevard	02/13/2020 11:02	8362		INLET STATUS	SDIHO020806	278	Followup Work Required
12848	Storm Inlet Insp Screening	02/13/2020 10:58	nelson.a.javonillo@hawaii.gov	CLOSED		HO02, Access Road between FTZ and Ala Moana Boulevard	02/13/2020 11:00	8362		INLET STATUS	SDIHO020804	277	Followup Work Required
12835	Storm Inlet Insp Screening	02/13/2020 10:53	nelson.a.javonillo@hawaii.gov	CLOSED		HO05, Pier 5 parking lot	02/13/2020 10:54	8362	HONOLULU HARBOR	INLET STATUS	SDIHO051012	260	Followup Work Required
12838	Storm Inlet Insp Screening	02/13/2020 10:52	nelson.a.javonillo@hawaii.gov	CLOSED		HO06, Pier 5-6 parking lot	02/13/2020 10:52	8362	HONOLULU HARBOR	INLET STATUS	SDIHO061042	263	Followup Work Required
13057	Storm Inlet Insp Screening	02/13/2020 10:50	nelson.a.javonillo@hawaii.gov	CLOSED		HO06,	02/13/2020 10:51	8362	HONOLULU HARBOR	INLET STATUS	SDIHO061098	698	Followup Work Required
13081	Storm Inlet Insp Screening	02/13/2020 10:44	nelson.a.javonillo@hawaii.gov	CLOSED		Pier 7 heco	02/13/2020 10:47	8362	HONOLULU HARBOR	INLET STATUS	SDIHO609161	786	Followup Work Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13078	Storm Inlet Insp Screening	02/12/2020 01:06	nelson.a.javonillo@hawaii.gov	CLOSED		HO05,	02/12/2020 01:07	8362	HONOLULU HARBOR	INLET STATUS	SDIHO0528874	780	Followup Work Required
13077	Storm Inlet Insp Screening	02/12/2020 01:04	nelson.a.javonillo@hawaii.gov	CLOSED		HO05,	02/12/2020 01:05	8362	HONOLULU HARBOR	INLET STATUS	SDIHO0519429	779	Followup Work Required
13076	Storm Inlet Insp Screening	02/12/2020 01:02	nelson.a.javonillo@hawaii.gov	CLOSED		HO05, parking lot	02/12/2020 01:03	8362	HONOLULU HARBOR	INLET STATUS	SDIHO0519427	778	Followup Work Not Required
13079	Storm Inlet Insp Screening	02/12/2020 12:57	nelson.a.javonillo@hawaii.gov	CLOSED		HO05, Ala Moana Boulevard parking lot	02/12/2020 12:59	8362	HONOLULU HARBOR	INLET STATUS	SDIHO0519423	781	Followup Work Required
12836	Storm Inlet Insp Screening	02/12/2020 12:55	nelson.a.javonillo@hawaii.gov	CLOSED		HO05, Pier 5 parking lot	02/12/2020 12:56	8362	HONOLULU HARBOR	INLET STATUS	SDIHO051002	261	Followup Work Not Required
12837	Storm Inlet Insp Screening	02/12/2020 12:48	nelson.a.javonillo@hawaii.gov	CLOSED		HO06, Pier 5-6 parking lot	02/12/2020 12:51	8362	HONOLULU HARBOR	INLET STATUS	SDIHO061100	262	Followup Work Required
12833	Storm Inlet Insp Screening	02/12/2020 12:45	nelson.a.javonillo@hawaii.gov	CLOSED		HO06, HO06	02/12/2020 12:47	8362	HONOLULU HARBOR	INLET STATUS	SDIHO061102	251	Followup Work Required
12865	Storm Inlet Insp Screening	02/12/2020 12:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO06, HECO Power Plant	02/12/2020 12:16	8362	HONOLULU HARBOR	INLET STATUS	SDIHO061162	299	Followup Work Required
13082	Storm Inlet Insp Screening	02/12/2020 12:12	nelson.a.javonillo@hawaii.gov	CLOSED		Pier 7 heco	02/12/2020 12:14	8362	HONOLULU HARBOR	INLET STATUS	SDIHO609162	787	Followup Work Required
13083	Storm Inlet Insp Screening	02/12/2020 12:06	nelson.a.javonillo@hawaii.gov	CLOSED		Pier 7 heco building	02/12/2020 12:07	8362	HONOLULU HARBOR	INLET STATUS	SDIH0071192	788	Followup Work Required
13088	Storm Inlet Insp Screening	02/12/2020 12:03	nelson.a.javonillo@hawaii.gov	CLOSED		Pier 7 heco	02/12/2020 12:05	8362	HONOLULU HARBOR	INLET STATUS	SDIHO071184	807	Followup Work Required
12696	Storm Inlet Insp Screening	02/12/2020 11:59	nelson.a.javonillo@hawaii.gov	CLOSED		HO08, Aloha Tower Drive, at intersection with Bishop Street	02/12/2020 11:59	8362	HONOLULU HARBOR	INLET STATUS	SDIHO081506	50	Followup Work Not Required
12834	Storm Inlet Insp Screening	02/12/2020 11:56	nelson.a.javonillo@hawaii.gov	CLOSED		HO08, Aloha Tower Drive sidewalk at intersection w/Bishop Street	02/12/2020 11:58	8362	HONOLULU HARBOR	INLET STATUS	SDIHO081504	259	Followup Work Required
12580	Storm Inlet Insp Screening	02/12/2020 11:55	nelson.a.javonillo@hawaii.gov	CLOSED		HO08, Aloha Tower Market Place loading dock	02/12/2020 11:56	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO081515	155	Followup Work Required
12897	Storm Inlet Insp Screening	02/12/2020 10:29	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/12/2020 10:30	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091352	333	Followup Work Required
12895	Storm Inlet Insp Screening	02/12/2020 10:28	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/12/2020 10:29	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091360	331	Followup Work Required
12894	Storm Inlet Insp Screening	02/12/2020 10:26	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/12/2020 10:28	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091362	330	Followup Work Required
12887	Storm Inlet Insp Screening	02/12/2020 10:25	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/12/2020 10:25	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091384	323	Followup Work Required
12888	Storm Inlet Insp Screening	02/12/2020 10:23	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/12/2020 10:24	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091388	324	Followup Work Required
12890	Storm Inlet Insp Screening	02/11/2020 04:16	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 04:17	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091364	326	Followup Work Required
12889	Storm Inlet Insp Screening	02/11/2020 04:14	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 04:15	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091390	325	Followup Work Required
12889	Storm Inlet Insp Screening	02/11/2020 04:14	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 04:15	8907	HONOLULU HARBOR	INLET STATUS	SDIHO091390	325	Followup Work Required
12891	Storm Inlet Insp Screening	02/11/2020 04:13	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 04:13	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091392	327	Followup Work Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12892	Storm Inlet Insp Screening	02/11/2020 04:12	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 04:13	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091394	328	Followup Work Required
12893	Storm Inlet Insp Screening	02/11/2020 04:11	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 04:12	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091396	329	Followup Work Required
12884	Storm Inlet Insp Screening	02/11/2020 04:10	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 04:10	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091420	320	Followup Work Required
12885	Storm Inlet Insp Screening	02/11/2020 04:09	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 04:09	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091422	321	Followup Work Required
12886	Storm Inlet Insp Screening	02/11/2020 04:07	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 04:08	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091424	322	Followup Work Required
12883	Storm Inlet Insp Screening	02/11/2020 04:04	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 04:05	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091430	319	Followup Work Required
12882	Storm Inlet Insp Screening	02/11/2020 04:02	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 04:03	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091432	318	Followup Work Required
12881	Storm Inlet Insp Screening	02/11/2020 04:01	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 04:02	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091434	317	Followup Work Required
12908	Storm Inlet Insp Screening	02/11/2020 04:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 04:00	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091572	344	Followup Work Required
12909	Storm Inlet Insp Screening	02/11/2020 03:57	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 03:58	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091626	345	Followup Work Required
12910	Storm Inlet Insp Screening	02/11/2020 03:56	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 03:57	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091624	346	Followup Work Required
12911	Storm Inlet Insp Screening	02/11/2020 03:55	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 03:56	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091610	347	Followup Work Required
12907	Storm Inlet Insp Screening	02/11/2020 03:54	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 03:55	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091608	343	Followup Work Required
12900	Storm Inlet Insp Screening	02/11/2020 03:53	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 03:54	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091656	336	Followup Work Required
12903	Storm Inlet Insp Screening	02/11/2020 03:53	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 03:53	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091630	339	Followup Work Required
12904	Storm Inlet Insp Screening	02/11/2020 03:51	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 03:52	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091622	340	Followup Work Required
12905	Storm Inlet Insp Screening	02/11/2020 03:49	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 03:50	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091620	341	Followup Work Required
12906	Storm Inlet Insp Screening	02/11/2020 03:47	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 03:47	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091604	342	Followup Work Required
12902	Storm Inlet Insp Screening	02/11/2020 03:46	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 03:46	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091648	338	Followup Work Required
12901	Storm Inlet Insp Screening	02/11/2020 03:44	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 03:45	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091650	337	Followup Work Required
12899	Storm Inlet Insp Screening	02/11/2020 03:42	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 03:44	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091652	335	Followup Work Required
12898	Storm Inlet Insp Screening	02/11/2020 03:33	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/11/2020 03:34	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091654	334	Followup Work Required
12880	Storm Inlet Insp Screening	02/7/2020 03:27	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/7/2020 03:27	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091490	315	Followup Work Required
12879	Storm Inlet Insp Screening	02/7/2020 03:25	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/7/2020 03:26	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091488	314	Followup Work Required
12867	Storm Inlet Insp Screening	02/7/2020 03:25	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/7/2020 03:25	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091486	301	

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12876	Storm Inlet Insp Screening	02/7/2020 03:24	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/7/2020 03:24	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091478	311	Followup Work Required
12877	Storm Inlet Insp Screening	02/7/2020 03:23	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/7/2020 03:23	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091480	312	Followup Work Required
12878	Storm Inlet Insp Screening	02/7/2020 03:20	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/7/2020 03:20	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091482	313	Followup Work Required
12875	Storm Inlet Insp Screening	02/7/2020 03:18	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/7/2020 03:19	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091474	309	Followup Work Required
12874	Storm Inlet Insp Screening	02/7/2020 03:16	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/7/2020 03:17	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091472	308	Followup Work Required
12873	Storm Inlet Insp Screening	02/7/2020 03:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/7/2020 03:16	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091470	307	
12868	Storm Inlet Insp Screening	02/7/2020 03:14	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/7/2020 03:15	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091462	302	
12869	Storm Inlet Insp Screening	02/7/2020 03:13	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/7/2020 03:14	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091464	303	Followup Work Required
12870	Storm Inlet Insp Screening	02/7/2020 03:12	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/7/2020 03:13	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091466	304	Followup Work Required
12872	Storm Inlet Insp Screening	02/7/2020 03:11	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/7/2020 03:12	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091458	306	Followup Work Required
12871	Storm Inlet Insp Screening	02/7/2020 03:10	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Market Place	02/7/2020 03:11	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091456	305	Followup Work Required
12831	Storm Inlet Insp Screening	02/7/2020 03:09	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Drive	02/7/2020 03:09	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091452	246	Followup Work Required
12829	Storm Inlet Insp Screening	02/7/2020 03:06	nelson.a.javonillo@hawaii.gov	CLOSED		HO08, Aloha Tower	02/7/2020 03:07	8362	HONOLULU HARBOR	INLET STATUS	SDIHO081260	242	Followup Work Required
12823	Storm Inlet Insp Screening	02/7/2020 03:03	nelson.a.javonillo@hawaii.gov	CLOSED		HO08, Aloha Tower Market Place parking lot	02/7/2020 03:03	8362	HONOLULU HARBOR	INLET STATUS	SDIHO081242	235	Followup Work Required
13103	Storm Inlet Insp Screening	02/7/2020 03:02	nelson.a.javonillo@hawaii.gov	CLOSED		HO08, Aloha Tower Market Place parking lot	02/7/2020 03:02	8362	HONOLULU HARBOR	INLET STATUS	SDIHO081240	240	Followup Work Required
12828	Storm Inlet Insp Screening	02/7/2020 02:57	nelson.a.javonillo@hawaii.gov	CLOSED		HO08, Aloha Tower Market Place parking lot	02/7/2020 02:59	8362	HONOLULU HARBOR	INLET STATUS	SDIHO081238	241	Followup Work Required
13104	Storm Inlet Insp Screening	02/7/2020 02:55	nelson.a.javonillo@hawaii.gov	CLOSED		HO08, Nimitz Highway	02/7/2020 02:57	8362		INLET STATUS	SDIHO081244	243	Followup Work Required
12825	Storm Inlet Insp Screening	02/7/2020 02:51	nelson.a.javonillo@hawaii.gov	CLOSED		HO08, Aloha Tower Market Place parking lot	02/7/2020 02:53	8362	HONOLULU HARBOR	INLET STATUS	SDIHO081286	237	Followup Work Required
12826	Storm Inlet Insp Screening	02/7/2020 02:50	nelson.a.javonillo@hawaii.gov	CLOSED		HO08, Aloha Tower Market Place parking lot	02/7/2020 02:51	8362	HONOLULU HARBOR	INLET STATUS	SDIHO081284	238	Followup Work Required
12827	Storm Inlet Insp Screening	02/7/2020 02:49	nelson.a.javonillo@hawaii.gov	CLOSED		HO08, Aloha Tower Market Place parking lot	02/7/2020 02:50	8362	HONOLULU HARBOR	INLET STATUS	SDIHO081282	239	
12864	Storm Inlet Insp Screening	02/7/2020 02:46	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Irwin Park	02/7/2020 02:48	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091308	298	Followup Work Required
12863	Storm Inlet Insp Screening	02/7/2020 02:45	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Irwin Park	02/7/2020 02:46	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091310	297	Followup Work Required
12866	Storm Inlet Insp Screening	02/7/2020 02:43	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Irwin Park	02/7/2020 02:44	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091294	300	Followup Work Required
12866	Storm Inlet Insp Screening	02/7/2020 02:43	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Irwin Park	02/7/2020 02:44	8908	HONOLULU HARBOR	INLET STATUS	SDIHO091294	300	Followup Work Required
12861	Storm Inlet Insp Screening	02/7/2020 02:40	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Irwin Park	02/7/2020 02:42	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091290	295	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12860	Storm Inlet Insp Screening	02/7/2020 02:38	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Irwin Park	02/7/2020 02:40	8362	HONOLULU HARBOR	INLET STATUS	SDIHO091292	294	Followup Work Not Required
12830	Storm Inlet Insp Screening	02/7/2020 02:36	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Drive	02/7/2020 02:37	8362	HONOLULU HARBOR	INLET STATUS	SDIHO092022	245	Followup Work Required
12832	Storm Inlet Insp Screening	02/7/2020 02:29	nelson.a.javonillo@hawaii.gov	CLOSED		HO09, Aloha Tower Drive	02/7/2020 02:29	8362	HONOLULU HARBOR	INLET STATUS	SDIHO092030	247	Followup Work Not Required
13029	Storm Inlet Insp Screening	02/7/2020 02:25	nelson.a.javonillo@hawaii.gov	CLOSED		HO11, Pier 11 shed	02/7/2020 02:26	8362	HONOLULU HARBOR	INLET STATUS	SDIHO111766	633	Followup Work Required
12777	Storm Inlet Insp Screening	02/7/2020 02:25	nelson.a.javonillo@hawaii.gov	CLOSED		HO11, Pier 11 shed	02/7/2020 02:25	8362	HONOLULU HARBOR	INLET STATUS	SDIHO111798	158	Followup Work Required
12776	Storm Inlet Insp Screening	02/7/2020 02:22	nelson.a.javonillo@hawaii.gov	CLOSED		HO11, Pier 11 shed	02/7/2020 02:24	8362	HONOLULU HARBOR	INLET STATUS	SDIHO111796	157	Followup Work Required
13031	Storm Inlet Insp Screening	02/7/2020 02:20	nelson.a.javonillo@hawaii.gov	CLOSED		HO11, Harbors Division Administration Building	02/7/2020 02:21	8362	HONOLULU HARBOR	INLET STATUS	SDIHO111824	635	Followup Work Required
13030	Storm Inlet Insp Screening	02/7/2020 02:18	nelson.a.javonillo@hawaii.gov	CLOSED		HO11, Harbors Division Administration Building	02/7/2020 02:20	8362	HONOLULU HARBOR	INLET STATUS	SDIHO111836	634	Followup Work Required
12775	Storm Inlet Insp Screening	02/7/2020 02:17	nelson.a.javonillo@hawaii.gov	CLOSED		HO11,	02/7/2020 02:18	8362	HONOLULU HARBOR	INLET STATUS	SDIHO111834	155	Followup Work Required
13028	Storm Inlet Insp Screening	02/7/2020 02:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO11, Harbors Division Administration Building	02/7/2020 02:16	8362	HONOLULU HARBOR	INLET STATUS	SDIHO111854	632	Followup Work Required
13028	Storm Inlet Insp Screening	02/7/2020 02:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO11, Harbors Division Administration Building	02/7/2020 02:16	8909	HONOLULU HARBOR	INLET STATUS	SDIHO111854	632	Followup Work Required
12958	Storm Inlet Insp Screening	02/6/2020 12:31	nelson.a.javonillo@hawaii.gov	CLOSED		HO24, Roadway between Bella Pietra Flooring building and Pier 23	02/6/2020 12:31	8362	HONOLULU HARBOR	INLET STATUS	SDIHO243072	407	Followup Work Required
12957	Storm Inlet Insp Screening	02/6/2020 12:30	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, Roadway at northeast corner of Pier 23	02/6/2020 12:30	8362	HONOLULU HARBOR	INLET STATUS	SDIHO233002	406	Followup Work Required
13066	Storm Inlet Insp Screening	02/6/2020 12:28	nelson.a.javonillo@hawaii.gov	CLOSED		HO23,	02/6/2020 12:29	8362	HONOLULU HARBOR	INLET STATUS	SDIHO233004	720	Followup Work Required
12956	Storm Inlet Insp Screening	02/6/2020 12:27	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, McCabe, Hamilton and Renny, The Stevedores	02/6/2020 12:28	8362	HONOLULU HARBOR	INLET STATUS	SDIHO233010	405	Followup Work Required
12954	Storm Inlet Insp Screening	02/6/2020 12:25	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, road on Diamond Head side of Hawaiian Flour Mill silos	02/6/2020 12:26	8362	HONOLULU HARBOR	INLET STATUS	SDIHO233008	403	Followup Work Required
12955	Storm Inlet Insp Screening	02/6/2020 12:23	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, road on Diamond Head side of Hawaiian Flour Mill silos	02/6/2020 12:24	8362	HONOLULU HARBOR	INLET STATUS	SDIHO233006	404	Followup Work Required
12953	Storm Inlet Insp Screening	02/6/2020 12:22	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, road on Diamond Head side of Hawaiian Flour Mill silos	02/6/2020 12:23	8362	HONOLULU HARBOR	INLET STATUS	SDIHO233030	402	Followup Work Required
12952	Storm Inlet Insp Screening	02/6/2020 12:21	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, road near Hawaii Flour Mills silos and loading dock for DHX	02/6/2020 12:21	8362	HONOLULU HARBOR	INLET STATUS	SDIHO232814	401	Followup Work Required
12951	Storm Inlet Insp Screening	02/6/2020 12:13	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, road fronting loading dock for DHX	02/6/2020 12:20	8362	HONOLULU HARBOR	INLET STATUS	SDIHO232812	400	Followup Work Required
12821	Storm Inlet Insp Screening	02/6/2020 12:13	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, Warehouse #8	02/6/2020 12:13	8362	HONOLULU HARBOR	INLET STATUS	SDIHO232678	223	Followup Work Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12948	Storm Inlet Insp Screening	02/6/2020 12:09	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	02/6/2020 12:11	8362	HONOLULU HARBOR	INLET STATUS	SDIHO232680	397	Followup Work Required
12926	Storm Inlet Insp Screening	02/6/2020 12:07	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	02/6/2020 12:08	8362	HONOLULU HARBOR	INLET STATUS	SDIHO232682	375	Followup Work Required
12950	Storm Inlet Insp Screening	02/6/2020 11:01	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, DHX yard	02/6/2020 12:07	8362	HONOLULU HARBOR	INLET STATUS	SDIHO232686	399	Followup Work Required
12615	Storm Inlet Insp Screening	02/6/2020 10:57	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, Pier 23 Shed	02/6/2020 11:00	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO232815	206	Followup Work Required
12966	Storm Inlet Insp Screening	02/5/2020 02:18	nelson.a.javonillo@hawaii.gov	CLOSED		HO21, Southwest corner of ferry parking lot near across Warehouse 6 and Pier 21 building.	02/5/2020 02:19	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202700	416	Followup Work Required
12687	Storm Inlet Insp Screening	02/5/2020 02:13	nelson.a.javonillo@hawaii.gov	CLOSED		HO38, Commercial Fishing Village	02/5/2020 02:13	8362	HONOLULU HARBOR	INLET STATUS	SDIHO384806	41	Followup Work Not Required
12688	Storm Inlet Insp Screening	02/5/2020 02:12	nelson.a.javonillo@hawaii.gov	CLOSED		HO38, Commercial Fishing Village	02/5/2020 02:13	8362	HONOLULU HARBOR	INLET STATUS	SDIHO384808	42	Followup Work Not Required
12686	Storm Inlet Insp Screening	02/5/2020 02:11	nelson.a.javonillo@hawaii.gov	CLOSED		HO38, Commercial Fishing Village	02/5/2020 02:12	8362	HONOLULU HARBOR	INLET STATUS	SDIHO384812	40	Followup Work Not Required
12685	Storm Inlet Insp Screening	02/5/2020 02:08	nelson.a.javonillo@hawaii.gov	CLOSED		HO38, Commercial Fishing Village	02/5/2020 02:10	8362	HONOLULU HARBOR	INLET STATUS	SDIHO384814	39	Followup Work Required
12684	Storm Inlet Insp Screening	02/5/2020 02:07	nelson.a.javonillo@hawaii.gov	CLOSED		HO38, Commercial Fishing Village	02/5/2020 02:07	8362	HONOLULU HARBOR	INLET STATUS	SDIHO384816	38	Followup Work Required
12683	Storm Inlet Insp Screening	02/5/2020 02:01	nelson.a.javonillo@hawaii.gov	CLOSED		HO38, Commercial Fishing Village	02/5/2020 02:02	8362	HONOLULU HARBOR	INLET STATUS	SDIHO384820	37	Followup Work Not Required
12682	Storm Inlet Insp Screening	02/5/2020 01:59	nelson.a.javonillo@hawaii.gov	CLOSED		HO38, Commercial Fishing Village	02/5/2020 02:01	8362	HONOLULU HARBOR	INLET STATUS	SDIHO384822	36	Followup Work Not Required
12689	Storm Inlet Insp Screening	02/5/2020 01:56	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO38, Commercial Fishing Village	02/5/2020 01:58	8362	HONOLULU HARBOR	INLET STATUS	SDIHO384704	43	Followup Work Required
12690	Storm Inlet Insp Screening	02/5/2020 01:55	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO38, Commercial Fishing Village	02/5/2020 01:56	8362	HONOLULU HARBOR	INLET STATUS	SDIHO384706	44	Followup Work Required
12691	Storm Inlet Insp Screening	02/5/2020 01:40	nelson.a.javonillo@hawaii.gov	CLOSED		HO38, Commercial Fishing Village	02/5/2020 01:40	8362	HONOLULU HARBOR	INLET STATUS	SDIHO384708	45	Followup Work Not Required
12543	Storm Inlet Insp Screening	02/5/2020 01:33	nelson.a.javonillo@hawaii.gov	CLOSED		HO38, Commercial Fishing Village	02/5/2020 01:35	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO385003	4	Followup Work Not Required
12693	Storm Inlet Insp Screening	02/5/2020 01:31	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO38, Commercial Fishing Village	02/5/2020 01:31	8362	HONOLULU HARBOR	INLET STATUS	SDIHO384902	47	Followup Work Required
12542	Storm Inlet Insp Screening	02/5/2020 01:28	nelson.a.javonillo@hawaii.gov	CLOSED		HO38, Commercial Fishing Village	02/5/2020 01:29	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO385059	3	Followup Work Not Required
12541	Storm Inlet Insp Screening	02/5/2020 01:27	nelson.a.javonillo@hawaii.gov	CLOSED		HO38, Commercial Fishing Village	02/5/2020 01:27	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO385057	2	Followup Work Not Required
12692	Storm Inlet Insp Screening	02/5/2020 01:22	nelson.a.javonillo@hawaii.gov	CLOSED		H38, Commercial Fishing Village	02/5/2020 01:25	8362	HONOLULU HARBOR	INLET STATUS	SDIHO385102	46	Followup Work Not Required
12544	Storm Inlet Insp Screening	02/5/2020 01:20	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO38, Commercial Fishing Village	02/5/2020 01:22	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO385107	5	Followup Work Required
12698	Storm Inlet Insp Screening	02/5/2020 01:17	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO38, Commercial Fishing Village	02/5/2020 01:18	8362	HONOLULU HARBOR	INLET STATUS	SDIHO385154	52	Followup Work Required
12697	Storm Inlet Insp Screening	02/5/2020 01:14	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO38, Commercial Fishing Village	02/5/2020 01:16	8362	HONOLULU HARBOR	INLET STATUS	SDIHO385152	51	Followup Work Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12680	Storm Inlet Insp Screening	02/5/2020 01:12	nelson.a.javonillo@hawaii.gov	CLOSED		HO38, Commercial Fishing Village	02/5/2020 01:13	8362	HONOLULU HARBOR	INLET STATUS	SDIHO384606	34	Followup Work Not Required
12679	Storm Inlet Insp Screening	02/5/2020 01:11	nelson.a.javonillo@hawaii.gov	CLOSED		HO38, Commercial Fishing Village	02/5/2020 01:11	8362	HONOLULU HARBOR	INLET STATUS	SDIHO384608	33	Followup Work Not Required
12973	Storm Inlet Insp Screening	02/4/2020 03:25	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO21, Pier 21 shed	02/4/2020 03:27	8362	HONOLULU HARBOR	INLET STATUS	SDIHO212612	437	Followup Work Required
12974	Storm Inlet Insp Screening	02/4/2020 03:24	nelson.a.javonillo@hawaii.gov	CLOSED		HO21, Pier 21 shed	02/4/2020 03:25	8362	HONOLULU HARBOR	INLET STATUS	SDIHO212602	438	Followup Work Not Required
12937	Storm Inlet Insp Screening	02/4/2020 03:03	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	02/4/2020 03:04	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202670	386	Followup Work Not Required
13060	Storm Inlet Insp Screening	02/4/2020 12:12	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO22,	02/4/2020 12:13	8362	HONOLULU HARBOR	INLET STATUS	SDIHO222802	703	Followup Work Required
13059	Storm Inlet Insp Screening	02/3/2020 01:02	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO23, Warehouse #6	02/3/2020 01:04	8362	HONOLULU HARBOR	INLET STATUS	SDIHO222806	702	Followup Work Required
12912	Storm Inlet Insp Screening	02/3/2020 01:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO21, Pier 21 between Pier 21 Shed and Hawaiian Tug and Barge	02/3/2020 01:01	8362	HONOLULU HARBOR	INLET STATUS	SDIHO212792	358	Followup Work Required
12859	Storm Inlet Insp Screening	01/31/2020 01:15	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	01/31/2020 01:16	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202662	292	Followup Work Required
12946	Storm Inlet Insp Screening	01/31/2020 01:10	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO20, Warehouse No. 6	01/31/2020 01:11	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202642	395	Followup Work Required
12943	Storm Inlet Insp Screening	01/31/2020 01:07	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO20, Warehouse No. 6	01/31/2020 01:08	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202648	392	Followup Work Required
12945	Storm Inlet Insp Screening	01/31/2020 01:03	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO20, Warehouse No. 6	01/31/2020 01:04	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202646	394	Followup Work Required
12944	Storm Inlet Insp Screening	01/31/2020 12:55	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	01/31/2020 12:55	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202650	393	
13073	Storm Inlet Insp Screening	01/31/2020 12:53	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	01/31/2020 12:53	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202652	728	Followup Work Not Required
13070	Storm Inlet Insp Screening	01/31/2020 12:50	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	01/31/2020 12:51	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202656	724	Followup Work Not Required
13071	Storm Inlet Insp Screening	01/31/2020 12:49	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	01/31/2020 12:50	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202654	725	Followup Work Not Required
12942	Storm Inlet Insp Screening	01/31/2020 12:48	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	01/31/2020 12:48	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202658	391	Followup Work Not Required
12941	Storm Inlet Insp Screening	01/31/2020 12:45	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	01/31/2020 12:46	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202660	390	Followup Work Not Required
12940	Storm Inlet Insp Screening	01/31/2020 12:44	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	01/31/2020 12:45	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202664	389	Followup Work Not Required
12938	Storm Inlet Insp Screening	01/31/2020 12:43	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	01/31/2020 12:43	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202666	387	Followup Work Not Required
12939	Storm Inlet Insp Screening	01/31/2020 12:40	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6	01/31/2020 12:41	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202672	388	Followup Work Not Required
12932	Storm Inlet Insp Screening	01/31/2020 12:37	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 8	01/31/2020 12:39	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202674	381	Followup Work Not Required
12614	Storm Inlet Insp Screening	01/30/2020 01:05	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Ferry Terminal	01/30/2020 01:06	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO202701	205	Followup Work Not Required
12602	Storm Inlet Insp Screening	01/30/2020 01:04	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Ferry Terminal	01/30/2020 01:05	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO202703	191	Followup Work Not Required
12936	Storm Inlet Insp Screening	01/30/2020 01:04	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Warehouse No. 6 parking lot at Pier 20	01/30/2020 01:04	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202704	385	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12947	Storm Inlet Insp Screening	01/30/2020 01:02	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Pier 19 Ferry Terminal pakring	01/30/2020 01:03	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202584	396	Followup Work Not Required
12935	Storm Inlet Insp Screening	01/30/2020 01:01	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Pier 19 Ferry Terminal	01/30/2020 01:01	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202582	384	Followup Work Not Required
12933	Storm Inlet Insp Screening	01/30/2020 12:59	nelson.a.javonillo@hawaii.gov	CLOSED		HO20, Pier 19 Ferry Terminal	01/30/2020 01:00	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202580	382	Followup Work Not Required
12934	Storm Inlet Insp Screening	01/30/2020 12:58	nelson.a.javonillo@hawaii.gov	CLOSED		HO19, Ferry Terminal parking lot at Pier 19	01/30/2020 12:59	8362	HONOLULU HARBOR	INLET STATUS	SDIHO202502	383	Followup Work Not Required
12931	Storm Inlet Insp Screening	01/30/2020 12:56	nelson.a.javonillo@hawaii.gov	CLOSED		HO19, Ferry Terminal parking lot at Pier 19	01/30/2020 12:57	8362	HONOLULU HARBOR	INLET STATUS	SDIHO192504	380	Followup Work Not Required
12949	Storm Inlet Insp Screening	01/30/2020 12:54	nelson.a.javonillo@hawaii.gov	CLOSED		HO19, Pier 19 Ferry Terminal	01/30/2020 12:56	8362	HONOLULU HARBOR	INLET STATUS	SDIHO192520	398	Followup Work Not Required
12930	Storm Inlet Insp Screening	01/30/2020 11:04	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, Ferry Terminal parking lot at Pier 19	01/30/2020 11:05	8362	HONOLULU HARBOR	INLET STATUS	SDIHO192562	379	Followup Work Not Required
12929	Storm Inlet Insp Screening	01/30/2020 11:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO23, Ferry Terminal parking lot at Pier 19	01/30/2020 11:02	8362	HONOLULU HARBOR	INLET STATUS	SDIHO192554	378	Followup Work Not Required
12928	Storm Inlet Insp Screening	01/30/2020 10:58	nelson.a.javonillo@hawaii.gov	CLOSED		HO19, Ferry Terminal parking lot at Pier 19	01/30/2020 10:59	8362	HONOLULU HARBOR	INLET STATUS	SDIHO192544	377	Followup Work Not Required
12921	Storm Inlet Insp Screening	01/29/2020 01:15	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO18, Pier 18 roadway and parking area	01/29/2020 01:16	8362	HONOLULU HARBOR	INLET STATUS	SDIHO182430	370	Followup Work Required
12919	Storm Inlet Insp Screening	01/29/2020 01:13	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO18, Pier 18 roadway and parking area	01/29/2020 01:14	8362	HONOLULU HARBOR	INLET STATUS	SDIHO182432	368	Followup Work Required
12922	Storm Inlet Insp Screening	01/29/2020 01:02	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO18, Parking lot between Pier 19 shed and Nimitz Highway	01/29/2020 01:09	8362	HONOLULU HARBOR	INLET STATUS	SDIHO182434	371	Followup Work Required
13058	Storm Inlet Insp Screening	01/29/2020 12:29	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO19, Pier 19 shed	01/29/2020 12:30	8362	HONOLULU HARBOR	INLET STATUS	SDIHO192484	700	Followup Work Required
12925	Storm Inlet Insp Screening	01/29/2020 12:27	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO23, DHX yard; Former molasses tank farm at Pier 19	01/29/2020 12:28	8362	HONOLULU HARBOR	INLET STATUS	SDIHO232448	374	Followup Work Required
12923	Storm Inlet Insp Screening	01/29/2020 12:24	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO23, DHX yard; Former molasses tank farm at Pier 19	01/29/2020 12:26	8362	HONOLULU HARBOR	INLET STATUS	SDIHO232440	372	Followup Work Required
12924	Storm Inlet Insp Screening	01/29/2020 12:21	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO23, DHX yard; Former molasses tank farm at Pier 19	01/29/2020 12:22	8362	HONOLULU HARBOR	INLET STATUS	SDIHO232438	373	Followup Work Required
12927	Storm Inlet Insp Screening	01/29/2020 12:18	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO23, DHX yard; Former molasses tank farm at Pier 19	01/29/2020 12:19	8362	HONOLULU HARBOR	INLET STATUS	SDIHO232442	376	Followup Work Required
12581	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		500-560 mark	01/29/2020 10:42	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29550A	156	Followup Work Required
12588	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:50	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29500B	167	Followup Work Not Required
12626	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		pier 35 UH	01/29/2020 11:13	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO350001	225	Followup Work Not Required
12635	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:48	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29050A	239	Followup Work Not Required
12636	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:47	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29100A	240	Followup Work Not Required
12637	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:48	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29150A	241	Followup Work Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12638	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:46	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29200A	242	Followup Work Not Required
12639	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:46	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29250A	243	Followup Work Not Required
12640	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:45	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29300A	244	Followup Work Not Required
12641	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:45	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29350A	245	Followup Work Required
12642	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:44	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29400A	246	Followup Work Not Required
12643	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:43	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29450A	247	Followup Work Not Required
12644	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:43	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29500A	248	Followup Work Not Required
12645	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:57	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29050B	249	Followup Work Required
12646	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:56	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29100B	250	Followup Work Not Required
12647	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:55	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29150B	251	Followup Work Not Required
12648	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:54	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29200B	252	Followup Work Required
12649	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:53	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29250B	253	Followup Work Not Required
12650	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:52	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29300B	254	Followup Work Not Required
12651	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:52	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29350B	255	Followup Work Not Required
12652	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:51	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29400B	256	Followup Work Required
12653	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:51	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29450B	257	Followup Work Not Required
12654	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:49	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO29530B	258	Followup Work Required
12820	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:41	8362	HONOLULU HARBOR	INLET STATUS	SDIHO293672	222	Followup Work Required
12959	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO24, Parking lot at front door of Bella Pietra Flooring	01/29/2020 11:12	8362	HONOLULU HARBOR	INLET STATUS	SDIHO243074	408	Followup Work Not Required
12960	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Roadway fronting Oceantronics	01/29/2020 11:10	8362	HONOLULU HARBOR	INLET STATUS	SDIHO293224	409	Followup Work Not Required
12961	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Sause Brothers Parking Lot	01/29/2020 11:10	8362	HONOLULU HARBOR	INLET STATUS	SDIHO293204	411	Followup Work Not Required
12962	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO26, Former Pier 26 Transit Shed	01/29/2020 11:02	8362	HONOLULU HARBOR	INLET STATUS	SDIHO263552	412	Followup Work Required
12963	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Near guard station at entrance to piers 24-29	01/29/2020 11:07	8362	HONOLULU HARBOR	INLET STATUS	SDIHO293222	413	Followup Work Not Required
12964	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Fenced enclosure at Oceantronics	01/29/2020 11:11	8362	HONOLULU HARBOR	INLET STATUS	SDIHO293206	414	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12965	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO24, Pier 24 near north corner	01/29/2020 11:06	8362	HONOLULU HARBOR	INLET STATUS	SDIHO243242	415	Followup Work Not Required
12967	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO26, Former Pier 26 Transit Shed	01/29/2020 11:01	8362	HONOLULU HARBOR	INLET STATUS	SDIHO263556	417	Followup Work Required
12968	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO26, Former Pier 26 Transit Shed	01/29/2020 11:02	8362	HONOLULU HARBOR	INLET STATUS	SDIHO263554	418	Followup Work Required
12969	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO26, Pier 26	01/29/2020 11:01	8362	HONOLULU HARBOR	INLET STATUS	SDIHO263572	419	Followup Work Required
12970	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO24, Sause Brothers Parking lot	01/29/2020 11:09	8362	HONOLULU HARBOR	INLET STATUS	SDIHO243202	420	Followup Work Required
12972	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO25, Former corner of Pier 26 shed	01/29/2020 11:04	8362	HONOLULU HARBOR	INLET STATUS	SDIHO243522	424	Followup Work Required
13044	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO25, Pier 25	01/29/2020 11:04	8362	HONOLULU HARBOR	INLET STATUS	SDIHO243502	685	Followup Work Required
13068	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED		HO29, Pier 29 yard	01/29/2020 10:54	8362	HONOLULU HARBOR	INLET STATUS	SDIHO293620	722	Followup Work Not Required
13069	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO29, Pier 29 yard	01/29/2020 10:59	8362	HONOLULU HARBOR	INLET STATUS	SDIHO293612	723	Followup Work Required
13102	Storm Inlet Insp Screening	01/29/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO26, Pier 26	01/29/2020 11:00	8362	HONOLULU HARBOR	INLET STATUS	SDIHO263592	136	Followup Work Required
12818	Storm Inlet Insp Screening	01/28/2020 04:09	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO19, Pier 19 Shed	01/28/2020 04:11	8362	HONOLULU HARBOR	INLET STATUS	SDIHO192410	219	Followup Work Required
12920	Storm Inlet Insp Screening	01/28/2020 04:07	nelson.a.javonillo@hawaii.gov	CLOSED		HO18, Pier 18 roadway and parking area	01/28/2020 04:08	8362	HONOLULU HARBOR	INLET STATUS	SDIHO182420	369	Followup Work Not Required
12918	Storm Inlet Insp Screening	01/28/2020 04:04	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO18, Pier 18 roadway and parking area	01/28/2020 04:06	8362	HONOLULU HARBOR	INLET STATUS	SDIHO182422	367	Followup Work Required
12916	Storm Inlet Insp Screening	01/28/2020 04:02	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO18, Pier 18 Hawaii Pilots Association	01/28/2020 04:03	8362	HONOLULU HARBOR	INLET STATUS	SDIHO182302	365	Followup Work Required
12915	Storm Inlet Insp Screening	01/28/2020 03:59	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO18, Pier 18	01/28/2020 04:01	8362	HONOLULU HARBOR	INLET STATUS	SDIHO182304	364	Followup Work Required
12917	Storm Inlet Insp Screening	01/28/2020 03:57	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO18, Pier 18, Harbors Division Custodial Unit	01/28/2020 03:59	8362	HONOLULU HARBOR	INLET STATUS	SDIHO182320	366	Followup Work Required
12975	Storm Inlet Insp Screening	01/28/2020 03:55	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO18, Pier 18	01/28/2020 03:56	8362	HONOLULU HARBOR	INLET STATUS	SDIHO182306	439	Followup Work Required
12914	Storm Inlet Insp Screening	01/28/2020 03:48	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO18, Pier 18	01/28/2020 03:48	8362	HONOLULU HARBOR	INLET STATUS	SDIHO182308	363	Followup Work Required
12913	Storm Inlet Insp Screening	01/28/2020 03:42	nelson.a.javonillo@hawaii.gov	CLOSED	McLean, Robert	HO18, Pier 18	01/28/2020 03:44	8362	HONOLULU HARBOR	INLET STATUS	SDIHO182310	360	Followup Work Required
12582	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 yard	01/27/2020 12:54	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314049	157	Followup Work Required
12583	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 yard	01/27/2020 12:59	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314109	158	Followup Work Required
12584	Storm Inlet Insp Screening	01/27/2020 12:00		CLOSED		HO31, Pier 31 yard	01/27/2020 10:52	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314071	159	Followup Work Not Required
12628	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		pier 31 shed open area	01/27/2020 10:15	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314395	229	Followup Work Not Required
12629	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		pier 31 shed open area	01/27/2020 10:28	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314397	230	Followup Work Not Required
12630	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		pier 31 shed open area	01/27/2020 10:17	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314399	231	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12631	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		pier 31 shed open area	01/27/2020 10:16	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314401	232	Followup Work Not Required
12632	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		pier 31 shed open area	01/27/2020 10:29	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314403	234	Followup Work Not Required
12633	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		pier 31 shed open area	01/27/2020 10:17	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314393	235	Followup Work Not Required
12634	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		pier 31 shed open area	01/27/2020 10:16	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314405	238	Followup Work Not Required
12655	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 yard	01/27/2020 10:52	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314073	665	Followup Work Not Required
12773	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 Shed	01/27/2020 10:13	8362	HONOLULU HARBOR	INLET STATUS	SDIHO313922	143	Followup Work Not Required
12814	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 Shed	01/27/2020 10:14	8362	HONOLULU HARBOR	INLET STATUS	SDIHO313902	211	Followup Work Not Required
12819	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31-33 shed	01/27/2020 10:50	8362	HONOLULU HARBOR	INLET STATUS	SDIHO314154	221	Followup Work Not Required
12976	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO31, Roadway between HECO and Aloha Petroleum	01/27/2020 10:05	8362	HONOLULU HARBOR	INLET STATUS	SDIHO313970	440	Followup Work Not Required
12977	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 entrance road	01/27/2020 10:06	8362	HONOLULU HARBOR	INLET STATUS	SDIHO313968	442	Followup Work Required
12978	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 entrance road	01/27/2020 10:07	8362	HONOLULU HARBOR	INLET STATUS	SDIHO313966	443	Followup Work Required
12979	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO31,	01/27/2020 01:09	8362	HONOLULU HARBOR	INLET STATUS	SDIHO314134	444	Followup Work Required
12980	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 yard	01/27/2020 01:08	8362	HONOLULU HARBOR	INLET STATUS	SDIHO314130	445	Followup Work Required
12981	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO31,	01/27/2020 01:06	8362	HONOLULU HARBOR	INLET STATUS	SDIHO314136	447	Followup Work Required
12982	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO31,	01/27/2020 01:07	8362	HONOLULU HARBOR	INLET STATUS	SDIHO314132	448	Followup Work Required
12983	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 yard	01/27/2020 12:55	8362	HONOLULU HARBOR	INLET STATUS	SDIHO314016	449	Followup Work Required
12984	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO32,	01/27/2020 10:47	8362	HONOLULU HARBOR	INLET STATUS	SDIHO324262	456	Followup Work Not Required
12985	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO32,	01/27/2020 10:42	8362	HONOLULU HARBOR	INLET STATUS	SDIHO324208	457	Followup Work Required
12986	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO32,	01/27/2020 10:46	8362	HONOLULU HARBOR	INLET STATUS	SDIHO324236	458	Followup Work Required
12987	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO32,	01/27/2020 10:44	8362	HONOLULU HARBOR	INLET STATUS	SDIHO324234	459	Followup Work Not Required
12988	Storm Inlet Insp Screening	01/27/2020 12:00		CLOSED		HO32,	01/27/2020 10:47	8362	HONOLULU HARBOR	INLET STATUS	SDIHO324260	460	Followup Work Not Required
12989	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO32, Pier 32 shed	01/27/2020 10:44	8362	HONOLULU HARBOR	INLET STATUS	SDIHO324232	461	Followup Work Not Required
12990	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO32,	01/27/2020 10:49	8362	HONOLULU HARBOR	INLET STATUS	SDIHO314162	462	Followup Work Required
12991	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO32, Pier 32 shed	01/27/2020 10:34	8362	HONOLULU HARBOR	INLET STATUS	SDIHO324204	463	Followup Work Not Required
12992	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO32, Pier 32 shed	01/27/2020 10:33	8362	HONOLULU HARBOR	INLET STATUS	SDIHO324202	464	Followup Work Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12993	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO32,	01/27/2020 10:31	8362	HONOLULU HARBOR	INLET STATUS	SDIHO324182	465	Followup Work Not Required
12994	Storm Inlet Insp Screening	01/27/2020 12:00		CLOSED		HO34, Pier 34	01/27/2020 10:36	8362	HONOLULU HARBOR	INLET STATUS	SDIHO344312	466	Followup Work Not Required
12995	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO33,	01/27/2020 10:41	8362	HONOLULU HARBOR	INLET STATUS	SDIHO344328	467	Followup Work Required
12996	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO33,	01/27/2020 10:40	8362	HONOLULU HARBOR	INLET STATUS	SDIHO344326	468	Followup Work Not Required
12997	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO33,	01/27/2020 10:40	8362	HONOLULU HARBOR	INLET STATUS	SDIHO344324	469	Followup Work Required
12998	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO34, Pier 34	01/27/2020 10:38	8362	HONOLULU HARBOR	INLET STATUS	SDIHO344352	470	Followup Work Required
13008	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO30,	01/27/2020 10:10	8362		INLET STATUS	SDIHO313924	520	Followup Work Required
13009	Storm Inlet Insp Screening	01/27/2020 12:00		CLOSED		HO30,	01/27/2020 10:27	8362		INLET STATUS	SDIHO313904	521	Followup Work Not Required
13010	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO31, Roadway between HECO and Aloha Petroleum	01/27/2020 10:04	8362	HONOLULU HARBOR	INLET STATUS	SDIHO313972	533	Followup Work Required
13011	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO34, Pier 34	01/27/2020 10:48	8362	HONOLULU HARBOR	INLET STATUS	SDIHO344302	535	Followup Work Not Required
13012	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO34, Pier 34	01/27/2020 10:36	8362	HONOLULU HARBOR	INLET STATUS	SDIHO344322	536	Followup Work Not Required
13023	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 entrance road	01/27/2020 10:08	8362	HONOLULU HARBOR	INLET STATUS	SDIHO313964	549	Followup Work Required
13024	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO31,	01/27/2020 10:53	8362	HONOLULU HARBOR	INLET STATUS	SDIHO313962	551	Followup Work Not Required
13026	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED		HO31, Pier 31 yard	01/27/2020 01:05	8362	HONOLULU HARBOR	INLET STATUS	SDIHO314142	568	Followup Work Required
13032	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO31, Pier 31 shed	01/27/2020 10:11	8362	HONOLULU HARBOR	INLET STATUS	SDIHO313958	636	Followup Work Required
13056	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO31, Pier 31 Shed	01/27/2020 10:12	8362	HONOLULU HARBOR	INLET STATUS	SDIHO313954	697	Followup Work Required
13061	Storm Inlet Insp Screening	01/27/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO31,	01/27/2020 10:29	8362	HONOLULU HARBOR	INLET STATUS	SDIHO314152	704	Followup Work Required
12554	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO60, Keehi Industrial Lots	01/22/2020 10:36	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO609165	72	Followup Work Not Required
12555	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO60, Keehi Industrial Lots	01/22/2020 10:35	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO609185	73	Followup Work Not Required
12556	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO60, Keehi Industrial Lots	01/22/2020 10:35	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO609189	74	Followup Work Not Required
12557	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO60, KIPA	01/22/2020 10:31	8362		OPEN LINE STATUS	SDOHO609190	75	Followup Work Not Required
12585	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO32, Sea Engineering office	01/22/2020 11:12	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314391	164	Followup Work Not Required
12586	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO32, Young Brothers	01/22/2020 10:39	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO405403	165	Followup Work Required
12587	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO32, Young Brothers	01/22/2020 10:38	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO405401	166	Followup Work Required
12616	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO60, Pier 34 wharf	01/22/2020 10:33	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO609191	213	Followup Work Not Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12627	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		pier 35 UH facility	01/22/2020 11:09	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO350003	226	Followup Work Not Required
12694	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO35, Pier 35	01/22/2020 11:04	8362	HONOLULU HARBOR	INLET STATUS	SDIHO354462	48	Followup Work Not Required
12695	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO35, Pier 35 parking lot	01/22/2020 11:04	8362	HONOLULU HARBOR	INLET STATUS	SDIHO354452	49	Followup Work Not Required
12699	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO36, Commercial Fishing Village	01/22/2020 10:59	8362	HONOLULU HARBOR	INLET STATUS	SDIHO364604	53	Followup Work Not Required
12816	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO32, BEI Pier 32 Caustic Soda Storage	01/22/2020 11:28	8362	HONOLULU HARBOR	INLET STATUS	SDIHO324246	213	Followup Work Required
12817	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO32, PENCO/BEI yard	01/22/2020 11:26	8362	HONOLULU HARBOR	INLET STATUS	SDIHO324242	215	Followup Work Required
12822	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO32, PENCO/BEI yard	01/22/2020 11:25	8362	HONOLULU HARBOR	INLET STATUS	SDIHO324244	224	Followup Work Required
12999	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		Pier 35 UH facility	01/22/2020 11:07	8362	HONOLULU HARBOR	INLET STATUS	SDIHO344362	471	Followup Work Not Required
13000	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO39, Young Brothers Refrigeration Container Facility	01/22/2020 10:57	8362	HONOLULU HARBOR	INLET STATUS	SDIHO395516	472	Followup Work Required
13001	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO35, Hawaii Stevedores Inc.	01/22/2020 11:03	8362		INLET STATUS	SDIHO354472	501	Followup Work Not Required
13002	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO31, Sea Engineering yard	01/22/2020 11:10	8362	HONOLULU HARBOR	INLET STATUS	SDIHO314390	504	Followup Work Not Required
13003	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO31, Sea Engineering office	01/22/2020 11:11	8362	HONOLULU HARBOR	INLET STATUS	SDIHO314392	505	Followup Work Not Required
13004	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO31,	01/22/2020 11:18	8362	HONOLULU HARBOR	INLET STATUS	SDIHO314398	506	Followup Work Not Required
13005	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO31,	01/22/2020 11:17	8362	HONOLULU HARBOR	INLET STATUS	SDIHO314402	507	Followup Work Not Required
13006	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO31,	01/22/2020 11:13	8362	HONOLULU HARBOR	INLET STATUS	SDIHO314396	508	Followup Work Not Required
13007	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO31,	01/22/2020 11:19	8362	HONOLULU HARBOR	INLET STATUS	SDIHO314400	509	Followup Work Not Required
13013	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO39, Young Brothers Refrigeration Container Facility	01/22/2020 10:55	8362	HONOLULU HARBOR	INLET STATUS	SDIHO395514	537	Followup Work Required
13014	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO39, Young Brothers Refrigeration Container Facility	01/22/2020 10:55	8362	HONOLULU HARBOR	INLET STATUS	SDIHO395512	538	Followup Work Required
13015	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO39, Young Brothers Refrigeration Container Facility	01/22/2020 10:53	8362	HONOLULU HARBOR	INLET STATUS	SDIHO395510	540	Followup Work Required
13016	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO40, Young Brothers entrance	01/22/2020 10:50	8362	HONOLULU HARBOR	INLET STATUS	SDIHO405610	541	Followup Work Required
13017	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO40, Young Brothers maintenance facility	01/22/2020 10:48	8362	HONOLULU HARBOR	INLET STATUS	SDIHO405608	543	Followup Work Required
13018	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO40, Between Young Brothers Annex and Admin buildings	01/22/2020 10:47	8362	HONOLULU HARBOR	INLET STATUS	SDIHO405722	544	Followup Work Required

Attachment 15a.
Storm Drain Inlet Screening

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13019	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO40, Between Young Brothers Annex and Admin buildings	01/22/2020 10:44	8362	HONOLULU HARBOR	INLET STATUS	SDIHO405708	545	Followup Work Required
13020	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO40, Ewa side of Young Brothers Annex building	01/22/2020 10:41	8362	HONOLULU HARBOR	INLET STATUS	SDIHO405712	546	Followup Work Not Required
13021	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO39, Young Brothers access road along North Nimitz Highway	01/22/2020 10:58	8362		INLET STATUS	SDIHO395596	547	Followup Work Required
13022	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO39, Young Brothers access road along North Nimitz Highway	01/22/2020 10:57	8362		INLET STATUS	SDIHO395592	548	Followup Work Not Required
13025	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		HO32, BEI/PENCO yard	01/22/2020 11:27	8362	HONOLULU HARBOR	INLET STATUS	SDIHO324264	552	Followup Work Required
13027	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED	McLean, Robert	HO39, Young Brothers entrance	01/22/2020 10:51	8362	HONOLULU HARBOR	INLET STATUS	SDIHO395612	582	Followup Work Required
13084	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		Pier 35 UH facility	01/22/2020 11:08	8362	HONOLULU HARBOR	INLET STATUS	SDIHO354474	797	Followup Work Not Required
13085	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		Pier 35 UH facility	01/22/2020 11:05	8362	HONOLULU HARBOR	INLET STATUS	SDIHO354412	798	Followup Work Not Required
13086	Storm Inlet Insp Screening	01/22/2020 12:00	Galdeira, Guy	CLOSED		Pier 35 UH facility	01/22/2020 11:06	8362	HONOLULU HARBOR	INLET STATUS	SDIHO354414	801	Followup Work Not Required
12561	Storm Inlet Insp Screening	01/14/2020 10:00	Shimizu, Paul	CLOSED		HO53, Sand Island, 1800 foot marker - 1500 foot marker	01/15/2020 04:17	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538563	124	Followup Work Not Required
12576	Storm Inlet Insp Screening	01/14/2020 10:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Matson Container Yard	01/15/2020 04:00	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538585	141	Followup Work Not Required
12592	Storm Inlet Insp Screening	01/14/2020 10:00	Shimizu, Paul	CLOSED		HO53, Sand Island	01/15/2020 03:58	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538651	172	Followup Work Not Required
12594	Storm Inlet Insp Screening	01/14/2020 10:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Matson Container Yard	01/15/2020 04:09	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538579	174	Followup Work Not Required
12595	Storm Inlet Insp Screening	01/14/2020 10:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Matson Container Facility	01/15/2020 04:12	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528571	176	Followup Work Not Required
12596	Storm Inlet Insp Screening	01/14/2020 10:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO52, Matson Container Facility	01/15/2020 04:10	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528577	177	Followup Work Not Required
12597	Storm Inlet Insp Screening	01/14/2020 10:00	Shimizu, Paul	CLOSED		HO52, Matson Container Facility	01/15/2020 04:14	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528545	178	Followup Work Not Required
12598	Storm Inlet Insp Screening	01/14/2020 10:00	nelson.a.javonillo@hawaii.gov	CLOSED		HO53, Matson Container Yard	01/15/2020 04:08	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538583	179	Followup Work Not Required
12612	Storm Inlet Insp Screening	01/14/2020 10:00	Shimizu, Paul	CLOSED		HO52, Sand Island	01/15/2020 04:18	8362	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528555	201	Followup Work Not Required
12750	Storm Inlet Insp Screening	01/14/2020 10:00	Shimizu, Paul	CLOSED		HO53, Matson Container Yard	01/15/2020 04:02	8362	HONOLULU HARBOR	INLET STATUS	SDIHO538902	117	Followup Work Not Required

Attachment 15.b

Storm Drain Comprehensive Inspection and Cleaning Log

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12268	Storm Inlet Insp Comprehensive	12/9/2020 09:00	Everett Oliveira	CLOSED		HO52, Sand Island-Row D19, Stall #35	12/9/2020 09:19	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528631	133	Followup Work Not Required
12267	Storm Inlet Insp Comprehensive	12/9/2020 08:30	Everett Oliveira	CLOSED		HO52, Sand Island	12/9/2020 09:17	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528637	132	Followup Work Not Required
12282	Storm Inlet Insp Comprehensive	12/3/2020 09:45	Everett Oliveira	CLOSED		HO60, Keehi Industrial Lots	12/3/2020 09:54	7781		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO609165	72	Followup Work Not Required
12116	Storm Inlet Insp Comprehensive	12/2/2020 10:00	Shimizu, Paul	3 - WORK COMPLETE	Zhang, Joy	HO51, Molasses tanks		7767		HONOLULU HARBOR	INLET STATUS	SDIHO518378	99	Followup Work Not Required
12271	Storm Inlet Insp Comprehensive	12/2/2020 09:00	Everett Oliveira	CLOSED		HO52, Sand Island	12/2/2020 11:23	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528611	122	Followup Work Not Required
12284	Storm Inlet Insp Comprehensive	12/2/2020 08:30	Everett Oliveira	CLOSED		HO53, Sand Island	12/2/2020 10:35	7782		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538613	169	Followup Work Not Required
12119	Storm Inlet Insp Comprehensive	12/2/2020 08:00	Everett Oliveira	CLOSED		HO51,	12/2/2020 10:32	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518476	97	Followup Work Not Required
12129	Storm Inlet Insp Comprehensive	12/1/2020 12:40		CLOSED		HO51, Row E15, Stall #45	12/1/2020 12:36	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518262	203	
12280	Storm Inlet Insp Comprehensive	12/1/2020 07:00	Everett Oliveira	CLOSED		HO52, Matson Container Facility	12/1/2020 11:12	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528541	200	Followup Work Not Required
12277	Storm Inlet Insp Comprehensive	11/30/2020 09:45	Everett Oliveira	CLOSED		HO52, Matson Container Facility	11/30/2020 11:30	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528577	177	Followup Work Not Required
12278	Storm Inlet Insp Comprehensive	11/30/2020 08:30	Everett Oliveira	CLOSED		HO52, Matson Container Facility	11/30/2020 11:29	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528571	176	Followup Work Not Required
12250	Storm Inlet Insp Comprehensive	11/30/2020 08:15	Everett Oliveira	CLOSED		HO51, Sand Island	11/30/2020 11:24	7779		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518235	129	Followup Work Not Required
12127	Storm Inlet Insp Comprehensive	11/30/2020 08:00	Everett Oliveira	CLOSED		HO51, Sand Island	11/30/2020 11:27	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518260	202	Followup Work Not Required
12251	Storm Inlet Insp Comprehensive	11/30/2020 08:00	Everett Oliveira	CLOSED		HO51, Sand Island	11/30/2020 11:23	7779		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518241	130	Followup Work Not Required
12252	Storm Inlet Insp Comprehensive	11/30/2020 07:45	Everett Oliveira	CLOSED		HO51, Sand Island	11/30/2020 11:25	7779		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518231	128	Followup Work Not Required
12283	Storm Inlet Insp Comprehensive	11/30/2020 07:45	Everett Oliveira	CLOSED		HO53, Sand Island	11/30/2020 11:20	7782		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538647	170	Followup Work Not Required
12142	Storm Inlet Insp Comprehensive	11/30/2020 07:30		CLOSED		HO53, Row A20, Stall #14	11/30/2020 11:19	7768		HONOLULU HARBOR	INLET STATUS	SDIHO538906	681	Followup Work Not Required
12285	Storm Inlet Insp Comprehensive	11/30/2020 07:15	Everett Oliveira	CLOSED		HO53, Sand Island-Row A20, Stall #14	11/30/2020 11:17	7782		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538649	138	Followup Work Not Required
12151	Storm Inlet Insp Comprehensive	11/30/2020 07:00	Everett Oliveira	CLOSED		HO53, Matson Container Yard	11/30/2020 10:34	7768		HONOLULU HARBOR	INLET STATUS	SDIHO538902	117	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12288	Storm Inlet Insp Comprehensive	11/30/2020 07:00	Everett Oliveira	CLOSED		HO53, Matson Container Yard	11/30/2020 11:08	7782		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538583	179	Followup Work Not Required
12287	Storm Inlet Insp Comprehensive	11/30/2020 06:45	Everett Oliveira	CLOSED		HO53, Matson Container Yard	11/30/2020 10:23	7782		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538585	141	Followup Work Not Required
12289	Storm Inlet Insp Comprehensive	11/23/2020 10:50	Everett Oliveira	CLOSED	Everett Oliveira	HO53, Matson Container Yard	11/23/2020 11:03	7782		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538579	174	Followup Work Not Required
12108	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO52,	12/1/2020 03:13	7766		HONOLULU HARBOR	INLET STATUS	SDIHO528660	144	Followup Work Not Required
12109	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO52,	12/1/2020 03:12	7766		HONOLULU HARBOR	INLET STATUS	SDIHO528662	120	Followup Work Not Required
12111	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO52,	12/1/2020 03:10	7766		HONOLULU HARBOR	INLET STATUS	SDIHO528664	121	Followup Work Not Required
12118	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing lot	12/1/2020 03:07	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518408	690	Followup Work Not Required
12120	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing lot	12/1/2020 03:05	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518472	688	Followup Work Not Required
12122	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing lot. 3 painted in black	12/1/2020 03:03	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518470	689	Followup Work Not Required
12123	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO51,	12/1/2020 03:09	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518152	92	Followup Work Not Required
12124	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing	12/1/2020 03:08	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518410	96	Followup Work Not Required
12125	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO51, Matson Container Yard	12/2/2020 07:11	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518150	93	Followup Work Not Required
12126	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO51, Matson Container Yard-Roadway Near Row S8	12/2/2020 07:08	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518364	101	Followup Work Not Required
12130	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO51, Matson Container Yard	12/2/2020 07:15	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518140	108	Followup Work Not Required
12131	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO51, Matson Container Yard	12/2/2020 07:12	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518360	115	Followup Work Not Required
12133	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO51, Matson Container Yard	12/2/2020 07:08	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518366	106	Followup Work Not Required
12213	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing lot	12/1/2020 03:06	7774		HONOLULU HARBOR	INLET STATUS	SDIHO518474	687	Followup Work Not Required
12244	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO51, Sand Island	12/2/2020 07:10	7779		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518285	127	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12245	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO51, Sand Island	12/2/2020 07:09	7779		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518291	125	Followup Work Not Required
12246	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO51, Sand Island	12/2/2020 07:14	7779		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518269	126	Followup Work Not Required
12248	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO51, Sand Island	12/2/2020 07:13	7779		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518271	186	Followup Work Not Required
12249	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO51, Sand Island-Row E14, Stall #03	12/2/2020 07:16	7779		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518277	136	Followup Work Not Required
12276	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO52, Matson Container Yard	12/1/2020 03:14	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528517	184	Followup Work Not Required
12279	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO52, Sand Island	12/2/2020 02:33	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528555	201	Followup Work Not Required
12286	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		HO53, Sand Island	12/2/2020 07:06	7782		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538643	171	Followup Work Not Required
12106	Storm Inlet Insp Comprehensive	11/11/2020 11:00	Shimizu, Paul	CLOSED		HO52, Sand Island	12/2/2020 07:06	7766		HONOLULU HARBOR	INLET STATUS	SDIHO528510	119	Followup Work Not Required
14448	Storm Inlet Insp Comprehensive	11/6/2020 11:45	Everett Oliveira	CLOSED		HO01, Pier 1 container yard	11/6/2020 12:49	9386		HONOLULU HARBOR	INLET STATUS	SDIHO010152	266	Followup Work Not Required
14434	Storm Inlet Insp Comprehensive	10/15/2020 12:00	McLean, Robert	CLOSED		HO38, Commercial Fishing Village	10/15/2020 08:18	9320		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO385057	2	Followup Work Required
14437	Storm Inlet Insp Comprehensive	10/13/2020 10:30	McLean, Robert	CLOSED	Zhang, Joy	HO26, Pier 26	10/13/2020 12:00	9323		HONOLULU HARBOR	INLET STATUS	SDIHO263592	136	Followup Work Not Required
14438	Storm Inlet Insp Comprehensive	10/13/2020 08:00	McLean, Robert	CLOSED		HO08, Aloha Tower Market Place parking lot	10/13/2020 11:51	9324		HONOLULU HARBOR	INLET STATUS	SDIHO081240	240	Followup Work Not Required
14439	Storm Inlet Insp Comprehensive	10/13/2020 07:45	McLean, Robert	CLOSED		HO08, Nimitz Highway	10/13/2020 11:48	9325			INLET STATUS	SDIHO081244	243	Followup Work Not Required
14440	Storm Inlet Insp Comprehensive	10/13/2020 07:15	McLean, Robert	CLOSED	Hirano, Elmer	HO18, Pier 18	10/13/2020 11:43	9326		HONOLULU HARBOR	INLET STATUS	SDIHO182306	439	Followup Work Required
14436	Storm Inlet Insp Comprehensive	10/13/2020 07:00	McLean, Robert	CLOSED		HO51, Horizon Lines	10/13/2020 11:39	9322		HONOLULU HARBOR	INLET STATUS	SDIHO517802	61	Followup Work Not Required
14442	Storm Inlet Insp Comprehensive	10/13/2020 06:30	McLean, Robert	CLOSED		HO53, CFS#2	10/13/2020 11:27	9328		HONOLULU HARBOR	INLET STATUS	SDIHO538912	673	Followup Work Not Required
14441	Storm Inlet Insp Comprehensive	10/12/2020 12:15	McLean, Robert	CLOSED		HO30,	10/12/2020 01:26	9327			INLET STATUS	SDIHO313904	521	Followup Work Not Required
14435	Storm Inlet Insp Comprehensive	10/12/2020 11:50	McLean, Robert	CLOSED		HO38, Commercial Fishing Village	10/13/2020 11:55	9321		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO385059	3	Followup Work Not Required
14275	Storm Inlet Insp Comprehensive	09/28/2020 10:15	Gomes, Gregory	CLOSED		HO53, Matson CFS	09/28/2020 01:22	9173		HONOLULU HARBOR	INLET STATUS	SDIHO538890	721	Followup Work Not Required
14269	Storm Inlet Insp Comprehensive	09/25/2020 11:45	Gomes, Gregory	CLOSED		HO53, CFS#2	09/29/2020 12:45	9167		HONOLULU HARBOR	INLET STATUS	SDIHO538912	673	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14304	Storm Inlet Insp Comprehensive	09/25/2020 10:30		CLOSED		HO51, Matson Navigation building	09/28/2020 01:45	9214		HONOLULU HARBOR	INLET STATUS	SDIHO518054	89	Followup Work Not Required
14307	Storm Inlet Insp Comprehensive	09/25/2020 10:15	Gomes, Gregory	CLOSED		HO53, Matson Facilities and Management Building	09/28/2020 01:15	9217		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528771	222	Followup Work Not Required
14306	Storm Inlet Insp Comprehensive	09/25/2020 09:45	Gomes, Gregory	CLOSED		HO52, Matson Facilities and Management building (formerly CEM or Container Equipment Maintenance facility)	09/28/2020 01:08	9216		HONOLULU HARBOR	INLET STATUS	SDIHO528738	694	Followup Work Not Required
14273	Storm Inlet Insp Comprehensive	09/25/2020 08:30	Gomes, Gregory	CLOSED		HO52, CEM Building	09/28/2020 12:54	9171		HONOLULU HARBOR	INLET STATUS	SDIHO528716	679	Followup Work Not Required
14272	Storm Inlet Insp Comprehensive	09/25/2020 08:00	Gomes, Gregory	CLOSED		HO52, CEM Building	09/28/2020 12:46	9170		HONOLULU HARBOR	INLET STATUS	SDIHO528714	678	Followup Work Not Required
14271	Storm Inlet Insp Comprehensive	09/25/2020 07:45	Gomes, Gregory	CLOSED		HO52, CEM Building	09/28/2020 12:44	9169		HONOLULU HARBOR	INLET STATUS	SDIHO528712	677	Followup Work Not Required
14270	Storm Inlet Insp Comprehensive	09/25/2020 07:30	Gomes, Gregory	CLOSED		HO52, CEM Building	09/28/2020 12:34	9168		HONOLULU HARBOR	INLET STATUS	SDIHO528710	676	Followup Work Not Required
14305	Storm Inlet Insp Comprehensive	09/25/2020 07:15	Gomes, Gregory	CLOSED		HO51,	09/28/2020 12:27	9215		HONOLULU HARBOR	INLET STATUS	SDIHO518374	142	Followup Work Not Required
14276	Storm Inlet Insp Comprehensive	09/25/2020 07:00	Gomes, Gregory	CLOSED		HO51, Matson Tower	09/28/2020 12:24	9174		HONOLULU HARBOR	INLET STATUS	SDIHO518414	102	Followup Work Not Required
14246	Storm Inlet Insp Comprehensive	09/11/2020 09:35	McLean, Robert	CLOSED		HO30,	09/14/2020 06:41	9141			INLET STATUS	SDIHO313904	521	Followup Work Not Required
14245	Storm Inlet Insp Comprehensive	09/11/2020 09:25	McLean, Robert	CLOSED		HO30,	09/14/2020 06:36	9140			INLET STATUS	SDIHO313924	520	Followup Work Not Required
14254	Storm Inlet Insp Comprehensive	09/11/2020 09:20	McLean, Robert	CLOSED		HO31, Pier 31 shed	09/14/2020 06:31	9149		HONOLULU HARBOR	INLET STATUS	SDIHO313958	636	Followup Work Not Required
14256	Storm Inlet Insp Comprehensive	09/11/2020 09:15	McLean, Robert	CLOSED		HO31, Pier 31 Shed	09/14/2020 06:27	9151		HONOLULU HARBOR	INLET STATUS	SDIHO313954	697	Followup Work Not Required
14212	Storm Inlet Insp Comprehensive	09/11/2020 09:05	McLean, Robert	CLOSED		HO31, Pier 31 Shed	09/14/2020 06:22	9107		HONOLULU HARBOR	INLET STATUS	SDIHO313922	143	Followup Work Not Required
14215	Storm Inlet Insp Comprehensive	09/11/2020 09:00		CLOSED		HO31, Pier 31 Shed	09/14/2020 06:17	9110		HONOLULU HARBOR	INLET STATUS	SDIHO313902	211	Followup Work Not Required
14211	Storm Inlet Insp Comprehensive	09/4/2020 01:05	McLean, Robert	CLOSED		HO39, Young Brothers entrance	09/4/2020 12:46	9106		HONOLULU HARBOR	INLET STATUS	SDIHO395612	582	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14209	Storm Inlet Insp Comprehensive	09/4/2020 12:00	McLean, Robert	CLOSED		HO40, Young Brothers entrance	09/4/2020 12:41	9104		HONOLULU HARBOR	INLET STATUS	SDIHO405610	541	Followup Work Not Required
14221	Storm Inlet Insp Comprehensive	09/4/2020 09:05	McLean, Robert	CLOSED		HO25, Former corner of Pier 26 shed	09/4/2020 11:19	9116		HONOLULU HARBOR	INLET STATUS	SDIHO243522	424	Followup Work Not Required
14255	Storm Inlet Insp Comprehensive	09/4/2020 09:05	McLean, Robert	CLOSED		HO25, Pier 25	09/4/2020 11:09	9150		HONOLULU HARBOR	INLET STATUS	SDIHO243502	685	Followup Work Not Required
14216	Storm Inlet Insp Comprehensive	09/4/2020 08:55	McLean, Robert	CLOSED		HO26, Former Pier 26 Transit Shed	09/4/2020 11:16	9111		HONOLULU HARBOR	INLET STATUS	SDIHO263552	412	Followup Work Not Required
14219	Storm Inlet Insp Comprehensive	09/4/2020 08:50	McLean, Robert	CLOSED		HO26, Former Pier 26 Transit Shed	09/4/2020 11:14	9114		HONOLULU HARBOR	INLET STATUS	SDIHO263554	418	Followup Work Not Required
14218	Storm Inlet Insp Comprehensive	09/4/2020 08:45	McLean, Robert	CLOSED		HO26, Former Pier 26 Transit Shed	09/4/2020 11:11	9113		HONOLULU HARBOR	INLET STATUS	SDIHO263556	417	Followup Work Not Required
14220	Storm Inlet Insp Comprehensive	09/4/2020 08:40	McLean, Robert	CLOSED	Zhang, Joy	HO26, Pier 26	09/4/2020 11:03	9115		HONOLULU HARBOR	INLET STATUS	SDIHO263572	419	Followup Work Not Required
14258	Storm Inlet Insp Comprehensive	09/4/2020 08:30	McLean, Robert	CLOSED		HO29, Pier 29 yard	09/4/2020 10:41	9153		HONOLULU HARBOR	INLET STATUS	SDIHO293612	723	Followup Work Not Required
14213	Storm Inlet Insp Comprehensive	09/4/2020 08:00	McLean, Robert	CLOSED	Zhang, Joy	HO26, Pier 26	09/4/2020 10:36	9108		HONOLULU HARBOR	INLET STATUS	SDIHO263592	136	Followup Work Not Required
14267	Storm Inlet Insp Comprehensive	09/4/2020 07:45	McLean, Robert	CLOSED		HO24, Pier 24 near north corner	09/4/2020 10:32	9162		HONOLULU HARBOR	INLET STATUS	SDIHO243242	415	Followup Work Not Required
14261	Storm Inlet Insp Comprehensive	09/4/2020 07:10	McLean, Robert	CLOSED		HO32, BEI Pier 32 Caustic Soda Storage	09/4/2020 10:25	9156		HONOLULU HARBOR	INLET STATUS	SDIHO324246	213	Followup Work Not Required
14303	Storm Inlet Insp Comprehensive	09/4/2020 06:30	McLean, Robert	CLOSED		HO51, Horizon Lines	09/4/2020 10:19	9213		HONOLULU HARBOR	INLET STATUS	SDIHO517926	204	Followup Work Not Required
14208	Storm Inlet Insp Comprehensive	09/4/2020 12:15	McLean, Robert	CLOSED	Hirano, Elmer	HO39, Young Brothers Refrigeration Container Facility	09/14/2020 06:47	9103		HONOLULU HARBOR	INLET STATUS	SDIHO395510	540	Followup Work Not Required
14210	Storm Inlet Insp Comprehensive	09/4/2020 12:10	McLean, Robert	CLOSED		HO40, Young Brothers maintenance facility	09/14/2020 06:50	9105		HONOLULU HARBOR	INLET STATUS	SDIHO405608	543	Followup Work Not Required
14309	Storm Inlet Insp Comprehensive	09/3/2020 06:30	McLean, Robert	CLOSED		HO20, Ferry Terminal	09/3/2020 09:48	9226		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO202701	205	Followup Work Not Required
14308	Storm Inlet Insp Comprehensive	09/3/2020 06:00	McLean, Robert	CLOSED		HO20, Ferry Terminal	09/3/2020 09:50	9227		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO202703	191	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14301	Storm Inlet Insp Comprehensive	09/1/2020 08:41	McLean, Robert	CLOSED		HO51, Horizon Lines	09/1/2020 11:22	9211		HONOLULU HARBOR	INLET STATUS	SDIHO517802	61	Followup Work Not Required
14302	Storm Inlet Insp Comprehensive	09/1/2020 08:30	McLean, Robert	CLOSED		HO51, Horizon Lines	09/1/2020 11:17	9212		HONOLULU HARBOR	INLET STATUS	SDIHO517896	73	Followup Work Not Required
14299	Storm Inlet Insp Comprehensive	09/1/2020 07:40	McLean, Robert	CLOSED		HO18, Pier 18 Hawaii Pilots Association	09/1/2020 11:13	9209		HONOLULU HARBOR	INLET STATUS	SDIHO182302	365	Followup Work Not Required
14300	Storm Inlet Insp Comprehensive	09/1/2020 07:30	McLean, Robert	CLOSED		HO18, Pier 18	09/1/2020 11:07	9210		HONOLULU HARBOR	INLET STATUS	SDIHO182310	360	Followup Work Not Required
14252	Storm Inlet Insp Comprehensive	09/1/2020 07:15	McLean, Robert	CLOSED		HO32, BEI/PENCO yard	09/1/2020 10:57	9147		HONOLULU HARBOR	INLET STATUS	SDIHO324264	552	Followup Work Not Required
14262	Storm Inlet Insp Comprehensive	09/1/2020 07:05	McLean, Robert	CLOSED		HO32, PENCO/BEI yard	09/1/2020 10:45	9157		HONOLULU HARBOR	INLET STATUS	SDIHO324242	215	Followup Work Not Required
14263	Storm Inlet Insp Comprehensive	09/1/2020 06:50	McLean, Robert	CLOSED		HO32, PENCO/BEI yard	09/1/2020 10:38	9158		HONOLULU HARBOR	INLET STATUS	SDIHO324244	224	Followup Work Not Required
14244	Storm Inlet Insp Comprehensive	09/1/2020 06:40	McLean, Robert	CLOSED		HO31, Sea Engineering office	09/1/2020 10:29	9139		HONOLULU HARBOR	INLET STATUS	SDIHO314392	505	Followup Work Not Required
14259	Storm Inlet Insp Comprehensive	09/1/2020 06:40	McLean, Robert	CLOSED		HO32, Sea Engineering office	09/1/2020 10:32	9154		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314391	164	Followup Work Not Required
14243	Storm Inlet Insp Comprehensive	09/1/2020 06:20	McLean, Robert	CLOSED		HO31, Sea Engineering yard	09/1/2020 10:20	9138		HONOLULU HARBOR	INLET STATUS	SDIHO314390	504	Followup Work Not Required
14264	Storm Inlet Insp Comprehensive	08/28/2020 08:45	McLean, Robert	CLOSED		HO20, Pier 19 Ferry Terminal	08/28/2020 11:52	9159		HONOLULU HARBOR	INLET STATUS	SDIHO202580	382	Followup Work Not Required
14260	Storm Inlet Insp Comprehensive	08/28/2020 09:06	McLean, Robert	CLOSED		HO24, Sause Brothers Parking lot	08/28/2020 12:04	9155		HONOLULU HARBOR	INLET STATUS	SDIHO243202	420	Followup Work Not Required
14266	Storm Inlet Insp Comprehensive	08/28/2020 09:03	McLean, Robert	CLOSED	Hirano, Elmer	HO24, Parking lot at front door of Bella Pietra Flooring	08/28/2020 12:02	9161		HONOLULU HARBOR	INLET STATUS	SDIHO243074	408	Followup Work Not Required
14265	Storm Inlet Insp Comprehensive	08/28/2020 09:00	McLean, Robert	CLOSED		HO24, Roadway between Bella Pietra Flooring building and Pier 23	08/28/2020 11:56	9160		HONOLULU HARBOR	INLET STATUS	SDIHO243072	407	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14222	Storm Inlet Insp Comprehensive	08/28/2020 08:15		CLOSED		HO31, Roadway between HECO and Aloha Petroleum	08/28/2020 11:40	9117		HONOLULU HARBOR	INLET STATUS	SDIHO313970	440	Followup Work Not Required
14223	Storm Inlet Insp Comprehensive	08/28/2020 08:06		CLOSED	Hirano, Elmer	HO31, Pier 31 entrance road	08/28/2020 11:34	9118		HONOLULU HARBOR	INLET STATUS	SDIHO313968	442	Followup Work Required
14232	Storm Inlet Insp Comprehensive	08/28/2020 08:00	McLean, Robert	CLOSED		HO32,	08/28/2020 11:24	9127		HONOLULU HARBOR	INLET STATUS	SDIHO324234	459	Followup Work Not Required
14237	Storm Inlet Insp Comprehensive	08/28/2020 07:35	McLean, Robert	CLOSED		HO32,	08/28/2020 11:15	9132		HONOLULU HARBOR	INLET STATUS	SDIHO324182	465	Followup Work Not Required
14235	Storm Inlet Insp Comprehensive	08/28/2020 07:25	McLean, Robert	CLOSED		HO32, Pier 32 shed	08/28/2020 11:11	9130		HONOLULU HARBOR	INLET STATUS	SDIHO324202	464	Followup Work Not Required
14236	Storm Inlet Insp Comprehensive	08/28/2020 07:20	McLean, Robert	CLOSED		HO32, Pier 32 shed	08/28/2020 11:07	9131		HONOLULU HARBOR	INLET STATUS	SDIHO324204	463	Followup Work Not Required
14230	Storm Inlet Insp Comprehensive	08/28/2020 07:05	McLean, Robert	CLOSED		HO32,	08/28/2020 11:00	9125		HONOLULU HARBOR	INLET STATUS	SDIHO324208	457	Followup Work Not Required
14239	Storm Inlet Insp Comprehensive	08/28/2020 07:01	McLean, Robert	CLOSED		HO33,	08/28/2020 10:55	9134		HONOLULU HARBOR	INLET STATUS	SDIHO344328	467	Followup Work Not Required
14240	Storm Inlet Insp Comprehensive	08/28/2020 07:00	McLean, Robert	CLOSED		HO33,	08/28/2020 10:49	9135		HONOLULU HARBOR	INLET STATUS	SDIHO344326	468	Followup Work Not Required
14241	Storm Inlet Insp Comprehensive	08/28/2020 06:55	McLean, Robert	CLOSED		HO33,	08/28/2020 10:45	9136		HONOLULU HARBOR	INLET STATUS	SDIHO344324	469	Followup Work Not Required
14207	Storm Inlet Insp Comprehensive	08/28/2020 06:53	McLean, Robert	CLOSED		HO34, Pier 34	08/28/2020 10:37	9102		HONOLULU HARBOR	INLET STATUS	SDIHO344322	536	Followup Work Not Required
14242	Storm Inlet Insp Comprehensive	08/28/2020 06:53	McLean, Robert	CLOSED		HO34, Pier 34	08/28/2020 10:41	9137		HONOLULU HARBOR	INLET STATUS	SDIHO344352	470	Followup Work Not Required
14238	Storm Inlet Insp Comprehensive	08/28/2020 06:45	McLean, Robert	CLOSED		HO34, Pier 34	08/28/2020 10:16	9133		HONOLULU HARBOR	INLET STATUS	SDIHO344312	466	Followup Work Not Required
14248	Storm Inlet Insp Comprehensive	08/28/2020 06:30	McLean, Robert	CLOSED		HO34, Pier 34	08/28/2020 10:11	9143		HONOLULU HARBOR	INLET STATUS	SDIHO344302	535	Followup Work Not Required
14249	Storm Inlet Insp Comprehensive	08/28/2020 06:30	McLean, Robert	CLOSED		HO34, Pier 34	08/28/2020 10:20				INLET STATUS	SDIHO344302	535	Followup Work Not Required
12247	Storm Inlet Insp Comprehensive	08/25/2020 12:00	Shimizu, Paul	CLOSED		HO51, Matson Sand Island facility	12/7/2020 08:36	7779		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518265	71	Followup Work Not Required
12269	Storm Inlet Insp Comprehensive	08/25/2020 12:00	Shimizu, Paul	CLOSED		HO52, Sand Island	12/7/2020 08:39	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528601	134	Followup Work Not Required
12270	Storm Inlet Insp Comprehensive	08/25/2020 12:00	Shimizu, Paul	CLOSED		HO52, Sand Island	12/7/2020 08:40	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528607	135	Followup Work Not Required
12115	Storm Inlet Insp Comprehensive	08/18/2020 12:00	Shimizu, Paul	CLOSED		HO51, Matson vehicle processing	12/7/2020 08:33	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518376	98	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14188	Storm Inlet Insp Comprehensive	07/28/2020 06:30	McLean, Robert	CLOSED	Shimizu, Paul	HO23, road on Diamond Head side of Hawaiian Flour Mill silos	07/28/2020 07:03	8999		HONOLULU HARBOR	INLET STATUS	SDIHO233030	402	Followup Work Required
14201	Storm Inlet Insp Comprehensive	07/27/2020 12:15	McLean, Robert	CLOSED	Shimizu, Paul	HO23, DHX yard; Former molasses tank farm at Pier 19	07/27/2020 01:20	9015		HONOLULU HARBOR	INLET STATUS	SDIHO232448	374	Followup Work Required
14199	Storm Inlet Insp Comprehensive	07/16/2020 09:25	McLean, Robert	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	07/16/2020 12:39	9013		HONOLULU HARBOR	INLET STATUS	SDIHO232440	372	Followup Work Not Required
14197	Storm Inlet Insp Comprehensive	07/16/2020 09:20	McLean, Robert	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	07/16/2020 12:38	9011		HONOLULU HARBOR	INLET STATUS	SDIHO232438	373	Followup Work Not Required
14202	Storm Inlet Insp Comprehensive	07/16/2020 09:18	McLean, Robert	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	07/16/2020 12:35	9016		HONOLULU HARBOR	INLET STATUS	SDIHO232442	376	Followup Work Not Required
14179	Storm Inlet Insp Comprehensive	07/16/2020 08:55	McLean, Robert	CLOSED	Hirano, Elmer	HO23, Warehouse #6	07/16/2020 12:31	8989		HONOLULU HARBOR	INLET STATUS	SDIHO222806	702	Followup Work Required
14183	Storm Inlet Insp Comprehensive	07/16/2020 08:55		CLOSED		HO20, Warehouse No. 6	07/16/2020 12:27	8993		HONOLULU HARBOR	INLET STATUS	SDIHO202642	395	Followup Work Required
14182	Storm Inlet Insp Comprehensive	07/16/2020 08:50	McLean, Robert	CLOSED		HO20, Warehouse No. 6	07/16/2020 12:23	8992		HONOLULU HARBOR	INLET STATUS	SDIHO202646	394	Followup Work Not Required
14192	Storm Inlet Insp Comprehensive	07/16/2020 08:45	McLean, Robert	CLOSED		HO23,	07/16/2020 12:16	9003		HONOLULU HARBOR	INLET STATUS	SDIHO233004	720	Followup Work Not Required
14191	Storm Inlet Insp Comprehensive	07/16/2020 08:35	McLean, Robert	CLOSED		HO23, Roadway at northeast corner of Pier 23	07/16/2020 12:19	9002		HONOLULU HARBOR	INLET STATUS	SDIHO233002	406	Followup Work Not Required
14200	Storm Inlet Insp Comprehensive	07/16/2020 08:30	McLean, Robert	CLOSED		HO23, DHX yard	07/16/2020 12:11	9014		HONOLULU HARBOR	INLET STATUS	SDIHO232686	399	Followup Work Not Required
14196	Storm Inlet Insp Comprehensive	07/16/2020 08:15	McLean, Robert	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	07/16/2020 12:06	9010		HONOLULU HARBOR	INLET STATUS	SDIHO232682	375	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
14203	Storm Inlet Insp Comprehensive	07/16/2020 07:57	McLean, Robert	CLOSED	Hirano, Elmer	HO23, DHX yard; Former molasses tank farm at Pier 19	07/16/2020 11:48	9023		HONOLULU HARBOR	INLET STATUS	SDIHO232680	397	Followup Work Not Required
14195	Storm Inlet Insp Comprehensive	07/16/2020 07:50	McLean, Robert	CLOSED		HO23, Warehouse #8	07/16/2020 11:41	9009		HONOLULU HARBOR	INLET STATUS	SDIHO232678	223	Followup Work Not Required
14186	Storm Inlet Insp Comprehensive	07/16/2020 07:30	McLean, Robert	CLOSED		HO23, road near Hawaii Flour Mills silos and loading dock for DHX	07/16/2020 11:36	8997		HONOLULU HARBOR	INLET STATUS	SDIHO232814	401	Followup Work Not Required
14189	Storm Inlet Insp Comprehensive	07/16/2020 07:25	McLean, Robert	CLOSED		HO23, road on Diamond Head side of Hawaiian Flour Mill silos	07/16/2020 11:30	9000		HONOLULU HARBOR	INLET STATUS	SDIHO233006	404	Followup Work Not Required
14187	Storm Inlet Insp Comprehensive	07/16/2020 07:20	McLean, Robert	CLOSED	Zhang, Joy	HO23, road on Diamond Head side of Hawaiian Flour Mill silos	07/16/2020 11:24	8998		HONOLULU HARBOR	INLET STATUS	SDIHO233008	403	Followup Work Not Required
14190	Storm Inlet Insp Comprehensive	07/16/2020 07:00	McLean, Robert	CLOSED	Zhang, Joy	HO23, McCabe, Hamilton and Renny, The Stevedores	07/16/2020 11:15	9001		HONOLULU HARBOR	INLET STATUS	SDIHO233010	405	Followup Work Not Required
14180	Storm Inlet Insp Comprehensive	07/16/2020 06:50	McLean, Robert	CLOSED		HO22,	07/16/2020 11:03	8990		HONOLULU HARBOR	INLET STATUS	SDIHO222802	703	Followup Work Not Required
14181	Storm Inlet Insp Comprehensive	07/16/2020 06:50	McLean, Robert	CLOSED	Zhang, Joy	HO21, Pier 21 between Pier 21 Shed and Hawaiian Tug and Barge	07/16/2020 10:55	8991		HONOLULU HARBOR	INLET STATUS	SDIHO212792	358	Followup Work Not Required
14184	Storm Inlet Insp Comprehensive	07/16/2020 06:35	McLean, Robert	CLOSED		HO21, Pier 21 shed	07/16/2020 10:47	8994		HONOLULU HARBOR	INLET STATUS	SDIHO212612	437	Followup Work Not Required
14185	Storm Inlet Insp Comprehensive	07/16/2020 06:30	McLean, Robert	CLOSED		HO21, Pier 21 shed	07/16/2020 10:40	8995		HONOLULU HARBOR	INLET STATUS	SDIHO212602	438	Followup Work Not Required
13598	Storm Inlet Insp Comprehensive	06/17/2020 07:30	McLean, Robert	CLOSED		HO38, Commercial Fishing Village	06/17/2020 09:07	8923		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO385057	2	Followup Work Not Required
13599	Storm Inlet Insp Comprehensive	06/17/2020 06:29	McLean, Robert	CLOSED		HO38, Commercial Fishing Village	06/17/2020 09:01	8924		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO385059	3	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13604	Storm Inlet Insp Comprehensive	06/16/2020 09:15	McLean, Robert	CLOSED		HO08, Aloha Tower Market Place parking lot	06/16/2020 11:55	8929		HONOLULU HARBOR	INLET STATUS	SDIHO081240	240	Followup Work Not Required
13603	Storm Inlet Insp Comprehensive	06/16/2020 09:00	McLean, Robert	CLOSED		HO08, Nimitz Highway	06/16/2020 11:48	8928			INLET STATUS	SDIHO081244	243	Followup Work Not Required
13602	Storm Inlet Insp Comprehensive	06/16/2020 07:45	McLean, Robert	CLOSED		HO26, Pier 26	06/16/2020 11:31	8927		HONOLULU HARBOR	INLET STATUS	SDIHO263592	136	Followup Work Not Required
13607	Storm Inlet Insp Comprehensive	06/16/2020 07:00	McLean, Robert	CLOSED		HO51, Horizon Lines	06/16/2020 11:24	8939		HONOLULU HARBOR	INLET STATUS	SDIHO517802	61	Followup Work Not Required
13608	Storm Inlet Insp Comprehensive	06/16/2020 06:30	McLean, Robert	CLOSED		HO53, CFS#2	06/16/2020 11:10	8940		HONOLULU HARBOR	INLET STATUS	SDIHO538912	673	Followup Work Not Required
13600	Storm Inlet Insp Comprehensive	06/10/2020 12:00	McLean, Robert	CLOSED	Hirano, Elmer	HO18, Pier 18	06/16/2020 11:42	8925		HONOLULU HARBOR	INLET STATUS	SDIHO182306	439	Followup Work Not Required
13601	Storm Inlet Insp Comprehensive	06/10/2020 12:00	McLean, Robert	CLOSED	Zhang, Joy	HO30,	06/16/2020 11:59	8926			INLET STATUS	SDIHO313904	521	Followup Work Not Required
13595	Storm Inlet Insp Comprehensive	06/1/2020 07:00	McLean, Robert	CLOSED	Hirano, Elmer	HO02,	06/1/2020 11:08	8887			INLET STATUS	SDIHO020512	717	Followup Work Required
13595	Storm Inlet Insp Comprehensive	06/1/2020 07:00	McLean, Robert	CLOSED	Hirano, Elmer	HO02,	06/1/2020 11:08	8906			INLET STATUS	SDIHO020512	717	Followup Work Required
13543	Storm Inlet Insp Comprehensive	05/29/2020 10:00	McLean, Robert	CLOSED		HO51, Sand Island	05/29/2020 11:13	8673		HONOLULU HARBOR	INLET STATUS	SDIHO518026	118	Followup Work Not Required
12263	Storm Inlet Insp Comprehensive	05/29/2020 06:30	McLean, Robert	CLOSED		HO52, Sand Island	05/29/2020 11:35	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528641	123	Followup Work Not Required
13564	Storm Inlet Insp Comprehensive	05/29/2020 06:30	McLean, Robert	CLOSED		HO52, Sand Island	05/29/2020 11:52	8683		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528641	123	Followup Work Not Required
12132	Storm Inlet Insp Comprehensive	05/29/2020 06:15	McLean, Robert	CLOSED		HO51, main entrance	05/29/2020 11:15	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518416	675	Followup Work Not Required
13562	Storm Inlet Insp Comprehensive	05/29/2020 06:15	McLean, Robert	CLOSED		HO51, Matson Tower	05/29/2020 11:25	8680		HONOLULU HARBOR	INLET STATUS	SDIHO518414	102	Followup Work Not Required
12107	Storm Inlet Insp Comprehensive	05/28/2020 07:00	McLean, Robert	CANCEL		HO52, Sand Island		7766		HONOLULU HARBOR	INLET STATUS	SDIHO528688	137	
13560	Storm Inlet Insp Comprehensive	05/19/2020 07:50	McLean, Robert	CLOSED		HO52, CEM Building	05/19/2020 08:00	8679		HONOLULU HARBOR	INLET STATUS	SDIHO528716	679	Followup Work Not Required
13557	Storm Inlet Insp Comprehensive	05/19/2020 07:25	McLean, Robert	CLOSED		HO52, CEM Building	05/19/2020 08:08	8679		HONOLULU HARBOR	INLET STATUS	SDIHO528710	676	Followup Work Not Required
13558	Storm Inlet Insp Comprehensive	05/19/2020 07:10	McLean, Robert	CLOSED		HO52, CEM Building	05/19/2020 08:06	8679		HONOLULU HARBOR	INLET STATUS	SDIHO528712	677	Followup Work Not Required
13559	Storm Inlet Insp Comprehensive	05/19/2020 07:00	McLean, Robert	CLOSED		HO52, CEM Building	05/19/2020 08:03	8679		HONOLULU HARBOR	INLET STATUS	SDIHO528714	678	Followup Work Not Required
13561	Storm Inlet Insp Comprehensive	05/19/2020 06:30	McLean, Robert	CLOSED		HO52, CEM Building	05/19/2020 07:56	8679		HONOLULU HARBOR	INLET STATUS	SDIHO528718	680	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12101	Storm Inlet Insp Comprehensive	05/5/2020 07:30	McLean, Robert	CLOSED		HO52, Matson parking lot along Sand Island Parkway; connected to trench drain	05/5/2020 08:24	7766		HONOLULU HARBOR	INLET STATUS	SDIHO528876	104	Followup Work Not Required
13556	Storm Inlet Insp Comprehensive	05/5/2020 07:00	McLean, Robert	CLOSED		HO52, Matson parking lot along Sand Island Parkway	05/5/2020 08:21	8679		HONOLULU HARBOR	INLET STATUS	SDIHO528874	103	Followup Work Not Required
12113	Storm Inlet Insp Comprehensive	05/5/2020 06:30	McLean, Robert	CLOSED		HO52, Matson parking lot along Sand Island Parkway	05/5/2020 08:17	7766		HONOLULU HARBOR	INLET STATUS	SDIHO528880	105	Followup Work Not Required
13587	Storm Inlet Insp Comprehensive	04/20/2020 12:00	McLean, Robert	CLOSED	Zhang, Joy	HO21, Pier 21 between Pier 21 Shed and Hawaiian Tug and Barge	04/20/2020 01:10	8804		HONOLULU HARBOR	INLET STATUS	SDIHO212792	358	Followup Work Not Required
13149	Storm Inlet Insp Comprehensive	04/7/2020 01:00	McLean, Robert	CLOSED	Beagley, Joe	HO18, Pier 18 Hawaii Pilots Association	04/9/2020 06:49	8490		HONOLULU HARBOR	INLET STATUS	SDIHO182302	365	Followup Work Required
13555	Storm Inlet Insp Comprehensive	04/1/2020 07:00	McLean, Robert	CLOSED		HO51, Sand Island, Horizon Lines	04/1/2020 12:01	8678		HONOLULU HARBOR	INLET STATUS	SDIHO518052	88	Followup Work Not Required
12229	Storm Inlet Insp Comprehensive	04/1/2020 12:00	Williams, Logan	CLOSED		BP07, Hawaiian Cement	12/7/2020 08:52	7778		KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP077135	152	Followup Work Not Required
12240	Storm Inlet Insp Comprehensive	04/1/2020 12:00	Williams, Logan	CLOSED		BP06, Yard 6	12/7/2020 08:54	7778		KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002L	17	Followup Work Not Required
13576	Storm Inlet Insp Comprehensive	03/30/2020 06:30	McLean, Robert	CLOSED		Pier 12	03/31/2020 05:31	8767		HONOLULU HARBOR	INLET STATUS	SDIHO123959	3958	Followup Work Not Required
13577	Storm Inlet Insp Comprehensive	03/30/2020 06:30	McLean, Robert	CLOSED		Pier 12	03/31/2020 05:27	8766		HONOLULU HARBOR	INLET STATUS	SDIHO123957	3957	Followup Work Not Required
13553	Storm Inlet Insp Comprehensive	03/25/2020 07:00	McLean, Robert	CLOSED		HO51, Sand Island, Horizon Lines	04/3/2020 10:06	8676		HONOLULU HARBOR	INLET STATUS	SDIHO518052	88	Followup Work Not Required
13554	Storm Inlet Insp Comprehensive	03/25/2020 07:00	McLean, Robert	CLOSED		HO51, Sand Island, Horizon Lines	04/3/2020 09:49	8677		HONOLULU HARBOR	INLET STATUS	SDIHO518052	88	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13544	Storm Inlet Insp Comprehensive	03/24/2020 07:45	McLean, Robert	CLOSED		HO51, Sand Island	03/24/2020 08:15	8674		HONOLULU HARBOR	INLET STATUS	SDIHO517810	60	Followup Work Not Required
13547	Storm Inlet Insp Comprehensive	03/13/2020 07:15	McLean, Robert	CLOSED		HO51, Horizon Lines	03/13/2020 07:50	8674		HONOLULU HARBOR	INLET STATUS	SDIHO517890	71	Followup Work Not Required
13548	Storm Inlet Insp Comprehensive	03/13/2020 07:15	McLean, Robert	CLOSED		HO51, Horizon Lines	03/13/2020 07:45	8674		HONOLULU HARBOR	INLET STATUS	SDIHO517892	72	Followup Work Not Required
12255	Storm Inlet Insp Comprehensive	03/12/2020 12:00	McLean, Robert	CLOSED		HO51C, Pier 51C	03/4/2020 05:44	7779		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518201	197	Followup Work Not Required
13165	Storm Inlet Insp Comprehensive	03/12/2020 09:30	McLean, Robert	CLOSED		HO38, Commercial Fishing Village	03/12/2020 11:28	8521		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO385107	5	Followup Work Not Required
13428	Storm Inlet Insp Comprehensive	03/12/2020 09:20	McLean, Robert	CLOSED		HO02,	03/12/2020 11:12	8584			INLET STATUS	SDIHO020812	718	Followup Work Not Required
13447	Storm Inlet Insp Comprehensive	03/12/2020 08:55	McLean, Robert	CLOSED		HO08, Aloha Tower Market Place loading dock	03/12/2020 11:24	8591		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO081515	155	Followup Work Not Required
13433	Storm Inlet Insp Comprehensive	03/12/2020 08:20	McLean, Robert	CLOSED		HO02, Foreign Trade Zone	03/12/2020 11:20	8585			LINE	SDLHO020803	390	Followup Work Not Required
13432	Storm Inlet Insp Comprehensive	03/12/2020 08:00	McLean, Robert	CLOSED		HO02, Foreign Trade Zone	03/12/2020 11:20	8585		HONOLULU HARBOR	LINE	SDLHO020805	389	Followup Work Not Required
13565	Storm Inlet Insp Comprehensive	03/12/2020 07:45	McLean, Robert	CLOSED		HO02, Access Road between FTZ and Ala Moana Boulevard	03/12/2020 11:20	8585		HONOLULU HARBOR	INLET STATUS	SDIHO020806	278	Followup Work Not Required
13431	Storm Inlet Insp Comprehensive	03/12/2020 07:15	McLean, Robert	CLOSED		HO02, Foreign Trade Zone	03/12/2020 11:18	8585		HONOLULU HARBOR	LINE	SDLHO020807	388	Followup Work Not Required
13566	Storm Inlet Insp Comprehensive	03/12/2020 07:00	McLean, Robert	CLOSED		HO02, Access Road between FTZ and Ala Moana Boulevard	03/12/2020 11:17	8585		HONOLULU HARBOR	INLET STATUS	SDIHO020808	279	Followup Work Not Required
13430	Storm Inlet Insp Comprehensive	03/12/2020 06:55	McLean, Robert	CLOSED		HO02, Foreign Trade Zone	03/12/2020 11:16	8585		HONOLULU HARBOR	LINE	SDLHO020809	387	Followup Work Not Required
13567	Storm Inlet Insp Comprehensive	03/12/2020 06:40	McLean, Robert	CLOSED		HO02, Access Road between FTZ and Ala Moana Boulevard	03/12/2020 11:15	8585			INLET STATUS	SDIHO020810	265	Followup Work Not Required
13435	Storm Inlet Insp Comprehensive	03/12/2020 06:30	McLean, Robert	CLOSED			03/12/2020 11:14	8586			INLET STATUS	0	0	Followup Work Not Required
13434	Storm Inlet Insp Comprehensive	03/12/2020 06:30	McLean, Robert	CLOSED		,	03/12/2020 11:13	8585			LINE	SDLHO020811	636	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13429	Storm Inlet Insp Comprehensive	03/12/2020 06:15	McLean, Robert	CLOSED		HO02,	03/12/2020 11:10	8584			INLET STATUS	SDIHO020814	719	Followup Work Not Required
13545	Storm Inlet Insp Comprehensive	03/11/2020 08:30	McLean, Robert	CLOSED		HO51, Horizon Lines	03/11/2020 10:53	8674		HONOLULU HARBOR	INLET STATUS	SDIHO517802	61	Followup Work Not Required
12134	Storm Inlet Insp Comprehensive	03/11/2020 08:15	McLean, Robert	CLOSED		HO51B,	03/11/2020 10:50	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518084	86	Followup Work Not Required
13549	Storm Inlet Insp Comprehensive	03/11/2020 07:50	McLean, Robert	CLOSED		HO51, Horizon Lines	03/11/2020 10:52	8674		HONOLULU HARBOR	INLET STATUS	SDIHO517896	73	Followup Work Not Required
13551	Storm Inlet Insp Comprehensive	03/11/2020 07:40	McLean, Robert	CLOSED		HO51, Horizon Lines	03/11/2020 10:51	8674		HONOLULU HARBOR	INLET STATUS	SDIHO517926	204	Followup Work Not Required
13550	Storm Inlet Insp Comprehensive	03/11/2020 07:10	McLean, Robert	CLOSED		HO51, Horizon Lines	03/11/2020 10:48	8674		HONOLULU HARBOR	INLET STATUS	SDIHO517964	83	Followup Work Not Required
13546	Storm Inlet Insp Comprehensive	03/11/2020 07:05	McLean, Robert	CLOSED		HO51, Sand Island	03/11/2020 10:47	8674		HONOLULU HARBOR	INLET STATUS	SDIHO517854	62	Followup Work Not Required
13552	Storm Inlet Insp Comprehensive	03/11/2020 06:55	McLean, Robert	CLOSED		HO51, Horizon Lines	03/11/2020 10:43	8675		HONOLULU HARBOR	INLET STATUS	SDIHO518010	79	Followup Work Not Required
12139	Storm Inlet Insp Comprehensive	03/11/2020 06:45	McLean, Robert	CLOSED		HO51, Matson vehicle processing	03/11/2020 10:25	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518468	684	Followup Work Not Required
12140	Storm Inlet Insp Comprehensive	03/11/2020 06:35	McLean, Robert	CLOSED		HO51, Horizon Lines	03/11/2020 10:41	7767		HONOLULU HARBOR	INLET STATUS	SDIHO518466	112	Followup Work Not Required
12260	Storm Inlet Insp Comprehensive	03/10/2020 06:35	McLean, Robert	CLOSED		HO51C, Pier 51C	03/10/2020 12:00	7779		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518181	192	Followup Work Not Required
13572	Storm Inlet Insp Comprehensive	03/10/2020 12:00		CANCEL		HO51, Horizon Lines		8725		HONOLULU HARBOR	INLET STATUS	SDIHO517892	72	Followup Work Not Required
12256	Storm Inlet Insp Comprehensive	03/10/2020 08:00		CLOSED		HO51C, Pier 51C	03/10/2020 12:12	7779		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518197	196	
12257	Storm Inlet Insp Comprehensive	03/10/2020 07:30		CLOSED		HO51C, Pier 51C	03/10/2020 12:09	7779		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518193	195	
12258	Storm Inlet Insp Comprehensive	03/10/2020 06:55	McLean, Robert	CLOSED		HO51C, Pier 51C	03/10/2020 12:07	7779		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518189	194	Followup Work Not Required
12259	Storm Inlet Insp Comprehensive	03/10/2020 06:45	McLean, Robert	CLOSED		HO51C, Pier 51C	03/10/2020 12:05	7779		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518185	193	Followup Work Not Required
13528	Storm Inlet Insp Comprehensive	03/5/2020 10:15	McLean, Robert	CLOSED		HO02, Pier 2 yard	03/5/2020 12:02	8644		HONOLULU HARBOR	INLET STATUS	SDIHO020176	178	Followup Work Not Required
13427	Storm Inlet Insp Comprehensive	03/5/2020 10:00	McLean, Robert	CLOSED		HO02, Channel Street	03/5/2020 12:03	8584		HONOLULU HARBOR	INLET STATUS	SDIHO020508	289	Followup Work Not Required
13423	Storm Inlet Insp Comprehensive	03/5/2020 09:59	McLean, Robert	CLOSED		HO02, Channel Street	03/5/2020 11:55	8584		HONOLULU HARBOR	INLET STATUS	SDIHO020642	285	Followup Work Not Required
13426	Storm Inlet Insp Comprehensive	03/5/2020 09:55	McLean, Robert	CLOSED		HO02, Channel Street	03/5/2020 11:59	8584		HONOLULU HARBOR	INLET STATUS	SDIHO020520	288	Followup Work Not Required
13527	Storm Inlet Insp Comprehensive	03/5/2020 09:37	McLean, Robert	CLOSED		HO01, Pier 1 container yard	03/10/2020 04:34	8643		HONOLULU HARBOR	INLET STATUS	SDIHO010210	269	Followup Work Not Required
13425	Storm Inlet Insp Comprehensive	03/5/2020 09:20		CLOSED		HO02, Channel Street	03/5/2020 11:58	8584		HONOLULU HARBOR	INLET STATUS	SDIHO020522	287	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13422	Storm Inlet Insp Comprehensive	03/5/2020 09:13	McLean, Robert	CLOSED		HO02, Channel Street	03/5/2020 11:57	8584		HONOLULU HARBOR	INLET STATUS	SDIHO020650	283	Followup Work Not Required
13421	Storm Inlet Insp Comprehensive	03/5/2020 09:05	McLean, Robert	CLOSED		HO02, Channel Street	03/5/2020 11:56	8584		HONOLULU HARBOR	INLET STATUS	SDIHO020640	284	Followup Work Not Required
13424	Storm Inlet Insp Comprehensive	03/5/2020 08:50	McLean, Robert	CLOSED		HO02, Channel Street	03/5/2020 11:53	8584		HONOLULU HARBOR	INLET STATUS	SDIHO020644	286	Followup Work Not Required
13438	Storm Inlet Insp Comprehensive	03/5/2020 08:20	McLean, Robert	CLOSED	Beagley, Joe	HO05,	03/5/2020 11:44	8587		HONOLULU HARBOR	INLET STATUS	SDIHO0528874	780	Followup Work Required
13438	Storm Inlet Insp Comprehensive	03/5/2020 08:20	McLean, Robert	CLOSED	Beagley, Joe	HO05,	03/5/2020 11:44	8910		HONOLULU HARBOR	INLET STATUS	SDIHO0528874	780	Followup Work Required
13437	Storm Inlet Insp Comprehensive	03/5/2020 08:15	McLean, Robert	CLOSED		HO05,	03/5/2020 11:43	8587		HONOLULU HARBOR	INLET STATUS	SDIHO0519429	779	Followup Work Not Required
13436	Storm Inlet Insp Comprehensive	03/5/2020 08:15	McLean, Robert	CLOSED		HO05, Pier 5 parking lot	03/5/2020 11:40	8587		HONOLULU HARBOR	INLET STATUS	SDIHO051012	260	Followup Work Not Required
13440	Storm Inlet Insp Comprehensive	03/5/2020 08:13	McLean, Robert	CLOSED		HO05, Ala Moana Boulevard parking lot	03/5/2020 11:37	8588		HONOLULU HARBOR	INLET STATUS	SDIHO0519423	781	Followup Work Not Required
13448	Storm Inlet Insp Comprehensive	03/5/2020 08:10	McLean, Robert	CLOSED		HO06, HO06	03/5/2020 11:35	8592		HONOLULU HARBOR	INLET STATUS	SDIHO061102	251	Followup Work Not Required
13449	Storm Inlet Insp Comprehensive	03/5/2020 08:08	McLean, Robert	CLOSED		HO06,	03/5/2020 11:32	8593		HONOLULU HARBOR	INLET STATUS	SDIHO061098	698	Followup Work Not Required
13441	Storm Inlet Insp Comprehensive	03/5/2020 08:07	McLean, Robert	CLOSED		HO06, Pier 5-6 parking lot	03/5/2020 11:31	8589		HONOLULU HARBOR	INLET STATUS	SDIHO061100	262	Followup Work Not Required
13443	Storm Inlet Insp Comprehensive	03/5/2020 08:05	McLean, Robert	CLOSED		Pier 7 heco	03/5/2020 11:27	8589		HONOLULU HARBOR	INLET STATUS	SDIHO609162	787	Followup Work Not Required
13439	Storm Inlet Insp Comprehensive	03/5/2020 08:05	McLean, Robert	CLOSED	Beagley, Joe	HO05, Ala Moana Boulevard parking lot	03/5/2020 11:52	8587		HONOLULU HARBOR	INLET STATUS	SDIHO0519423	781	Followup Work Required
13439	Storm Inlet Insp Comprehensive	03/5/2020 08:05	McLean, Robert	CLOSED	Beagley, Joe	HO05, Ala Moana Boulevard parking lot	03/5/2020 11:52	8911		HONOLULU HARBOR	INLET STATUS	SDIHO0519423	781	Followup Work Required
13442	Storm Inlet Insp Comprehensive	03/5/2020 08:05	McLean, Robert	CLOSED		HO06, HECO Power Plant	03/5/2020 11:30	8589		HONOLULU HARBOR	INLET STATUS	SDIHO061162	299	Followup Work Not Required
13445	Storm Inlet Insp Comprehensive	03/5/2020 08:01	McLean, Robert	CLOSED		Pier 7 heco	03/5/2020 08:01	8590		HONOLULU HARBOR	INLET STATUS	SDIHO071184	807	Followup Work Not Required
13450	Storm Inlet Insp Comprehensive	03/5/2020 07:55	McLean, Robert	CLOSED		Pier 7 heco	03/5/2020 11:23	8594		HONOLULU HARBOR	INLET STATUS	SDIHO609161	786	Followup Work Not Required
13444	Storm Inlet Insp Comprehensive	03/5/2020 07:49	McLean, Robert	CLOSED		Pier 7 heco building	03/5/2020 07:54	8590		HONOLULU HARBOR	INLET STATUS	SDIH0071192	788	Followup Work Not Required
13164	Storm Inlet Insp Comprehensive	03/5/2020 07:45	McLean, Robert	CLOSED		HO38, Commercial Fishing Village	03/5/2020 12:04	8520		HONOLULU HARBOR	INLET STATUS	SDIHO384902	47	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13446	Storm Inlet Insp Comprehensive	03/5/2020 07:42	McLean, Robert	CLOSED		HO08, Aloha Tower Drive sidewalk at intersection w/Bishop Street	03/5/2020 07:46	8591		HONOLULU HARBOR	INLET STATUS	SDIHO081504	259	Followup Work Not Required
13162	Storm Inlet Insp Comprehensive	03/5/2020 07:36	McLean, Robert	CLOSED		HO38, Commercial Fishing Village	03/5/2020 12:10	8518		HONOLULU HARBOR	INLET STATUS	SDIHO384704	43	Followup Work Not Required
13163	Storm Inlet Insp Comprehensive	03/5/2020 07:10	McLean, Robert	CLOSED		HO38, Commercial Fishing Village	03/5/2020 12:13	8519		HONOLULU HARBOR	INLET STATUS	SDIHO384706	44	Followup Work Not Required
13167	Storm Inlet Insp Comprehensive	03/5/2020 06:40	McLean, Robert	CLOSED		HO38, Commercial Fishing Village	03/5/2020 12:24	8523		HONOLULU HARBOR	INLET STATUS	SDIHO385152	51	Followup Work Not Required
13166	Storm Inlet Insp Comprehensive	03/5/2020 06:32	McLean, Robert	CLOSED		HO38, Commercial Fishing Village	03/5/2020 12:13	8522		HONOLULU HARBOR	INLET STATUS	SDIHO385154	52	Followup Work Not Required
12254	Storm Inlet Insp Comprehensive	03/3/2020 08:15	McLean, Robert	CLOSED		HO51C, Pier 51C	03/4/2020 05:48	7779		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518205	173	Followup Work Not Required
12253	Storm Inlet Insp Comprehensive	03/3/2020 07:38	McLean, Robert	CLOSED		HO51C, Pier 51C	03/4/2020 05:49	7779		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518209	198	Followup Work Not Required
12281	Storm Inlet Insp Comprehensive	03/3/2020 06:39	McLean, Robert	CLOSED		HO51C, Pier 51C	03/4/2020 05:50	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528213	199	Followup Work Not Required
13416	Storm Inlet Insp Comprehensive	02/27/2020 06:30	McLean, Robert	CLOSED		HO11,	02/27/2020 09:46	8573		HONOLULU HARBOR	INLET STATUS	SDIHO111834	155	Followup Work Required
13417	Storm Inlet Insp Comprehensive	02/27/2020 06:30	McLean, Robert	CLOSED		HO11, Pier 11 shed	02/27/2020 09:50	8573		HONOLULU HARBOR	INLET STATUS	SDIHO111796	157	Followup Work Not Required
13160	Storm Inlet Insp Comprehensive	02/26/2020 10:35	McLean, Robert	CLOSED		HO22,	02/26/2020 12:06	8512		HONOLULU HARBOR	INLET STATUS	SDIHO222802	703	Followup Work Not Required
13144	Storm Inlet Insp Comprehensive	02/26/2020 10:05	McLean, Robert	CLOSED		HO25, Pier 25	02/26/2020 11:55	8485		HONOLULU HARBOR	INLET STATUS	SDIHO243502	685	Followup Work Not Required
13143	Storm Inlet Insp Comprehensive	02/26/2020 09:55	McLean, Robert	CLOSED		HO25, Former corner of Pier 26 shed	02/26/2020 11:53	8484		HONOLULU HARBOR	INLET STATUS	SDIHO243522	424	Followup Work Not Required
13138	Storm Inlet Insp Comprehensive	02/26/2020 09:45	McLean, Robert	CLOSED		HO26, Former Pier 26 Transit Shed	02/26/2020 11:44	8479		HONOLULU HARBOR	INLET STATUS	SDIHO263552	412	Followup Work Not Required
13140	Storm Inlet Insp Comprehensive	02/26/2020 09:45	McLean, Robert	CLOSED		HO26, Former Pier 26 Transit Shed	02/26/2020 11:42	8481		HONOLULU HARBOR	INLET STATUS	SDIHO263554	418	Followup Work Not Required
13139	Storm Inlet Insp Comprehensive	02/26/2020 09:10	McLean, Robert	CLOSED		HO26, Former Pier 26 Transit Shed	02/26/2020 11:36	8480		HONOLULU HARBOR	INLET STATUS	SDIHO263556	417	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13141	Storm Inlet Insp Comprehensive	02/26/2020 09:00	McLean, Robert	CLOSED		HO26, Pier 26	02/26/2020 11:23	8482		HONOLULU HARBOR	INLET STATUS	SDIHO263572	419	Followup Work Not Required
13145	Storm Inlet Insp Comprehensive	02/26/2020 08:30	McLean, Robert	CLOSED		HO29, Pier 29 yard	02/26/2020 11:20	8486		HONOLULU HARBOR	INLET STATUS	SDIHO293612	723	Followup Work Not Required
13146	Storm Inlet Insp Comprehensive	02/26/2020 08:30	McLean, Robert	CLOSED		HO26, Pier 26	02/26/2020 11:16	8487		HONOLULU HARBOR	INLET STATUS	SDIHO263592	136	Followup Work Not Required
13120	Storm Inlet Insp Comprehensive	02/26/2020 08:00	McLean, Robert	CLOSED		HO32,	02/26/2020 11:12	8427		HONOLULU HARBOR	INLET STATUS	SDIHO314162	462	Followup Work Not Required
13120	Storm Inlet Insp Comprehensive	02/26/2020 08:00	McLean, Robert	CLOSED		HO32,	02/26/2020 11:12	8912		HONOLULU HARBOR	INLET STATUS	SDIHO314162	462	Followup Work Not Required
13539	Storm Inlet Insp Comprehensive	02/24/2020 08:00	McLean, Robert	CLOSED		HO11, Pier 11 shed	02/27/2020 09:54	8672		HONOLULU HARBOR	INLET STATUS	SDIHO111764	159	Followup Work Not Required
13540	Storm Inlet Insp Comprehensive	02/24/2020 08:00	McLean, Robert	CLOSED		HO11, Pier 11 shed	02/27/2020 09:54	8672		HONOLULU HARBOR	INLET STATUS	SDIHO111794	160	Followup Work Not Required
13541	Storm Inlet Insp Comprehensive	02/24/2020 08:00	McLean, Robert	CLOSED		HO11, Pier 11 shed	02/27/2020 09:55	8672		HONOLULU HARBOR	INLET STATUS	SDIHO111744	727	Followup Work Not Required
13542	Storm Inlet Insp Comprehensive	02/24/2020 08:00	McLean, Robert	CLOSED		11, Pier 11	02/24/2020 11:06	8672		HONOLULU HARBOR	INLET STATUS	SDIHO111762	765	Followup Work Not Required
13130	Storm Inlet Insp Comprehensive	02/18/2020 10:00	McLean, Robert	CLOSED		HO18, Pier 18 roadway and parking area	02/18/2020 12:14	8460		HONOLULU HARBOR	INLET STATUS	SDIHO182430	370	Followup Work Not Required
13131	Storm Inlet Insp Comprehensive	02/18/2020 10:00	McLean, Robert	CLOSED		HO18, Pier 18 roadway and parking area	02/18/2020 12:17	8461		HONOLULU HARBOR	INLET STATUS	SDIHO182432	368	Followup Work Not Required
13132	Storm Inlet Insp Comprehensive	02/18/2020 10:00	McLean, Robert	CLOSED		HO18, Parking lot between Pier 19 shed and Nimitz Highway	02/18/2020 12:20	8462		HONOLULU HARBOR	INLET STATUS	SDIHO182434	371	Followup Work Not Required
13419	Storm Inlet Insp Comprehensive	02/18/2020 09:50	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 12:11	8574		HONOLULU HARBOR	INLET STATUS	SDIHO091490	315	Followup Work Not Required
13470	Storm Inlet Insp Comprehensive	02/18/2020 09:41	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 12:07	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091656	336	Followup Work Not Required
13472	Storm Inlet Insp Comprehensive	02/18/2020 09:38	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 12:02	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091648	338	Followup Work Not Required
13468	Storm Inlet Insp Comprehensive	02/18/2020 09:36	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 12:06	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091654	334	Followup Work Not Required
13469	Storm Inlet Insp Comprehensive	02/18/2020 09:36	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 12:05	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091652	335	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13471	Storm Inlet Insp Comprehensive	02/18/2020 09:36	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 12:05	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091650	337	Followup Work Not Required
13476	Storm Inlet Insp Comprehensive	02/18/2020 09:36	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 12:01	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091604	342	Followup Work Not Required
13418	Storm Inlet Insp Comprehensive	02/18/2020 09:35	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 12:11	8574		HONOLULU HARBOR	INLET STATUS	SDIHO091488	314	Followup Work Not Required
13477	Storm Inlet Insp Comprehensive	02/18/2020 09:35	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 12:00	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091608	343	Followup Work Not Required
13475	Storm Inlet Insp Comprehensive	02/18/2020 09:33	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:59	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091620	341	Followup Work Not Required
13481	Storm Inlet Insp Comprehensive	02/18/2020 09:32	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:59	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091610	347	Followup Work Not Required
13479	Storm Inlet Insp Comprehensive	02/18/2020 09:29	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:56	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091626	345	Followup Work Not Required
13480	Storm Inlet Insp Comprehensive	02/18/2020 09:28	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:55	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091624	346	Followup Work Not Required
13474	Storm Inlet Insp Comprehensive	02/18/2020 09:27	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:54	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091622	340	Followup Work Not Required
13473	Storm Inlet Insp Comprehensive	02/18/2020 09:26	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:54	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091630	339	Followup Work Not Required
13452	Storm Inlet Insp Comprehensive	02/18/2020 09:25	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:53	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091434	317	Followup Work Not Required
13453	Storm Inlet Insp Comprehensive	02/18/2020 09:23	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:52	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091432	318	Followup Work Not Required
13454	Storm Inlet Insp Comprehensive	02/18/2020 09:22	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:49	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091430	319	Followup Work Not Required
13478	Storm Inlet Insp Comprehensive	02/18/2020 09:22	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:58	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091572	344	Followup Work Not Required
13464	Storm Inlet Insp Comprehensive	02/18/2020 09:20	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:49	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091396	329	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13463	Storm Inlet Insp Comprehensive	02/18/2020 09:18	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:48	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091394	328	Followup Work Not Required
13462	Storm Inlet Insp Comprehensive	02/18/2020 09:17		CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:47	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091392	327	Followup Work Not Required
13460	Storm Inlet Insp Comprehensive	02/18/2020 09:15	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:46	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091390	325	Followup Work Not Required
13459	Storm Inlet Insp Comprehensive	02/18/2020 09:12	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:45	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091388	324	Followup Work Not Required
13458	Storm Inlet Insp Comprehensive	02/18/2020 09:10	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:45	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091384	323	Followup Work Not Required
13455	Storm Inlet Insp Comprehensive	02/18/2020 09:07	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:44	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091420	320	Followup Work Not Required
13456	Storm Inlet Insp Comprehensive	02/18/2020 09:05	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:43	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091422	321	Followup Work Not Required
13457	Storm Inlet Insp Comprehensive	02/18/2020 09:03	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:42	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091424	322	Followup Work Not Required
13461	Storm Inlet Insp Comprehensive	02/18/2020 09:00		CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:41	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091364	326	Followup Work Not Required
13465	Storm Inlet Insp Comprehensive	02/18/2020 08:57	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:30	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091362	330	Followup Work Not Required
13466	Storm Inlet Insp Comprehensive	02/18/2020 08:55	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:29	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091360	331	Followup Work Not Required
13451	Storm Inlet Insp Comprehensive	02/18/2020 08:54	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:29	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091356	332	Followup Work Required
13227	Storm Inlet Insp Comprehensive	02/18/2020 08:50	McLean, Robert	CLOSED		HO08, Aloha Tower Market Place parking lot	02/18/2020 11:14	8554		HONOLULU HARBOR	INLET STATUS	SDIHO081242	235	Followup Work Not Required
13247	Storm Inlet Insp Comprehensive	02/18/2020 08:50	McLean, Robert	CLOSED	Beagley, Joe		02/18/2020 11:24	8554		HONOLULU HARBOR	LINE	SDLHO081515	979	Followup Work Required
13467	Storm Inlet Insp Comprehensive	02/18/2020 08:50	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/18/2020 11:27	8595		HONOLULU HARBOR	INLET STATUS	SDIHO091352	333	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13225	Storm Inlet Insp Comprehensive	02/18/2020 08:45	McLean, Robert	CLOSED		HO08, Aloha Tower Market Place parking lot	02/18/2020 11:12	8554		HONOLULU HARBOR	INLET STATUS	SDIHO081238	241	Followup Work Not Required
13223	Storm Inlet Insp Comprehensive	02/18/2020 08:37	McLean, Robert	CLOSED		HO08, Aloha Tower Market Place parking lot	02/18/2020 11:09	8554		HONOLULU HARBOR	INLET STATUS	SDIHO081288	236	Followup Work Not Required
13229	Storm Inlet Insp Comprehensive	02/18/2020 08:36	McLean, Robert	CLOSED	Beagley, Joe	HO08, Aloha Tower Market Place parking lot	02/18/2020 12:25	8554		HONOLULU HARBOR	LINE	SDLHO081283	265	Followup Work Required
13222	Storm Inlet Insp Comprehensive	02/18/2020 08:35	McLean, Robert	CLOSED		HO08, Aloha Tower Market Place parking lot	02/18/2020 11:07	8554		HONOLULU HARBOR	INLET STATUS	SDIHO081286	237	Followup Work Not Required
13221	Storm Inlet Insp Comprehensive	02/18/2020 08:25	McLean, Robert	CLOSED		HO08, Aloha Tower Market Place parking lot	02/18/2020 11:05	8554		HONOLULU HARBOR	INLET STATUS	SDIHO081284	238	Followup Work Not Required
13220	Storm Inlet Insp Comprehensive	02/18/2020 08:15	McLean, Robert	CLOSED		HO08, Aloha Tower Market Place parking lot	02/18/2020 11:02	8554		HONOLULU HARBOR	INLET STATUS	SDIHO081282	239	Followup Work Not Required
13195	Storm Inlet Insp Comprehensive	02/18/2020 08:00	McLean, Robert	CLOSED	Beagley, Joe	HO08, Aloha Tower Market Place parking lot	02/18/2020 12:22	8553		HONOLULU HARBOR	LINE	SDLHO081283	265	Followup Work Required
13196	Storm Inlet Insp Comprehensive	02/18/2020 08:00	McLean, Robert	CLOSED	Beagley, Joe	HO09, Irwin Park	02/18/2020 11:15	8553		HONOLULU HARBOR	LINE	SDLHO091309	286	Followup Work Required
13201	Storm Inlet Insp Comprehensive	02/18/2020 08:00	McLean, Robert	CLOSED	Beagley, Joe	HO08, Aloha Tower Market Place parking lot	02/27/2020 09:58	8553		HONOLULU HARBOR	LINE	SDLHO081237	291	Followup Work Required
13203	Storm Inlet Insp Comprehensive	02/18/2020 08:00	McLean, Robert	CLOSED	Beagley, Joe	HO08, Aloha Tower Market Place parking lot	02/18/2020 10:56	8553		HONOLULU HARBOR	LINE	SDLHO081243	294	Followup Work Required
13204	Storm Inlet Insp Comprehensive	02/18/2020 08:00	McLean, Robert	CLOSED	Beagley, Joe	HO08, Aloha Tower Market Place parking lot	02/18/2020 10:57	8553		HONOLULU HARBOR	LINE	SDLHO081285	295	Followup Work Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13205	Storm Inlet Insp Comprehensive	02/18/2020 08:00	McLean, Robert	CLOSED	Beagley, Joe	HO08, Aloha Tower Market Place parking lot	02/18/2020 10:58	8553		HONOLULU HARBOR	LINE	SDLHO081287	296	Followup Work Required
13207	Storm Inlet Insp Comprehensive	02/18/2020 08:00	McLean, Robert	CLOSED	Beagley, Joe	HO08, Aloha Tower Market Place parking lot	02/27/2020 10:01	8553		HONOLULU HARBOR	LINE	SDLHO081261	298	Followup Work Required
13211	Storm Inlet Insp Comprehensive	02/18/2020 08:00	McLean, Robert	CLOSED	Beagley, Joe	HO09, Irwin Park	02/18/2020 12:22	8553		HONOLULU HARBOR	LINE	SDLHO091289	314	Followup Work Required
13213	Storm Inlet Insp Comprehensive	02/18/2020 08:00	McLean, Robert	CLOSED	Beagley, Joe		02/18/2020 10:54	8553		HONOLULU HARBOR	LINE	SDLHO081515	979	Followup Work Required
13236	Storm Inlet Insp Comprehensive	02/18/2020 08:00	McLean, Robert	CLOSED	Beagley, Joe	HO08, Aloha Tower Market Place parking lot	02/27/2020 09:58	8554		HONOLULU HARBOR	LINE	SDLHO081241	292	Followup Work Required
13240	Storm Inlet Insp Comprehensive	02/18/2020 08:00	McLean, Robert	CLOSED	Beagley, Joe	HO08, Aloha Tower Market Place parking lot	02/27/2020 09:56	8554		HONOLULU HARBOR	LINE	SDLHO081281	297	Followup Work Required
13238	Storm Inlet Insp Comprehensive	02/18/2020 07:37	McLean, Robert	CLOSED	Beagley, Joe	HO08, Aloha Tower Market Place parking lot	02/18/2020 12:23	8554		HONOLULU HARBOR	LINE	SDLHO081285	295	Followup Work Required
13219	Storm Inlet Insp Comprehensive	02/18/2020 07:30	McLean, Robert	CLOSED		HO09, Irwin Park	02/18/2020 10:29	8554		HONOLULU HARBOR	INLET STATUS	SDIHO091308	298	Followup Work Not Required
13246	Storm Inlet Insp Comprehensive	02/18/2020 07:30	McLean, Robert	CLOSED	Beagley, Joe	HO08, Irwin Park	02/18/2020 10:41	8554		HONOLULU HARBOR	LINE	SDLHO081307	315	Followup Work Required
13212	Storm Inlet Insp Comprehensive	02/18/2020 07:25	McLean, Robert	CLOSED	Beagley, Joe	HO08, Irwin Park	02/18/2020 10:35	8553		HONOLULU HARBOR	LINE	SDLHO081307	315	Followup Work Required
13218	Storm Inlet Insp Comprehensive	02/18/2020 07:23	McLean, Robert	CLOSED		HO09, Irwin Park	02/18/2020 10:26	8554		HONOLULU HARBOR	INLET STATUS	SDIHO091310	297	Followup Work Not Required
13230	Storm Inlet Insp Comprehensive	02/18/2020 07:20	McLean, Robert	CLOSED		HO09, Irwin Park	02/18/2020 10:23	8554		HONOLULU HARBOR	LINE	SDLHO091309	286	Followup Work Required
13231	Storm Inlet Insp Comprehensive	02/18/2020 07:19	McLean, Robert	CLOSED		HO09, Irwin Park	02/18/2020 07:20	8554		HONOLULU HARBOR	LINE	SDLHO091291	287	Followup Work Not Required
13214	Storm Inlet Insp Comprehensive	02/18/2020 07:18	McLean, Robert	CLOSED		HO09, Irwin Park	02/18/2020 10:20	8554		HONOLULU HARBOR	INLET STATUS	SDIHO091296	296	Followup Work Not Required
13210	Storm Inlet Insp Comprehensive	02/18/2020 07:15	McLean, Robert	CLOSED		HO09, Irwin Park	02/18/2020 10:18	8553		HONOLULU HARBOR	LINE	SDLHO091295	313	Followup Work Not Required
13232	Storm Inlet Insp Comprehensive	02/18/2020 07:12	McLean, Robert	CLOSED		HO08, Irwin Park	02/18/2020 10:15	8554		HONOLULU HARBOR	LINE	SDLHO081293	288	Followup Work Not Required
13197	Storm Inlet Insp Comprehensive	02/18/2020 07:11	McLean, Robert	CLOSED		HO09, Irwin Park	02/18/2020 07:15	8553		HONOLULU HARBOR	LINE	SDLHO091291	287	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13244	Storm Inlet Insp Comprehensive	02/18/2020 07:10	McLean, Robert	CLOSED		HO09, Irwin Park	02/18/2020 10:12	8554		HONOLULU HARBOR	LINE	SDLHO091295	313	Followup Work Not Required
13217	Storm Inlet Insp Comprehensive	02/18/2020 07:07	McLean, Robert	CLOSED	Beagley, Joe	HO09, Irwin Park	02/18/2020 10:27	8554		HONOLULU HARBOR	INLET STATUS	SDIHO091294	300	Followup Work Required
13198	Storm Inlet Insp Comprehensive	02/18/2020 07:05	McLean, Robert	CLOSED		HO08, Irwin Park	02/18/2020 10:04	8553		HONOLULU HARBOR	LINE	SDLHO081293	288	Followup Work Not Required
13215	Storm Inlet Insp Comprehensive	02/18/2020 07:03	McLean, Robert	CLOSED		HO09, Irwin Park	02/18/2020 10:00	8554		HONOLULU HARBOR	INLET STATUS	SDIHO091292	294	Followup Work Not Required
13216	Storm Inlet Insp Comprehensive	02/18/2020 07:00	McLean, Robert	CLOSED		HO09, Irwin Park	02/18/2020 09:58	8554		HONOLULU HARBOR	INLET STATUS	SDIHO091290	295	Followup Work Not Required
13245	Storm Inlet Insp Comprehensive	02/18/2020 07:00	McLean, Robert	CLOSED		HO09, Irwin Park	02/18/2020 12:26	8554		HONOLULU HARBOR	LINE	SDLHO091289	314	Followup Work Required
13113	Storm Inlet Insp Comprehensive	02/16/2020 10:15	McLean, Robert	CLOSED		HO39, Young Brothers Refrigeration Container Facility	02/16/2020 09:26	8397		HONOLULU HARBOR	INLET STATUS	SDIHO395510	540	Followup Work Not Required
12274	Storm Inlet Insp Comprehensive	02/13/2020 09:00	McLean, Robert	CLOSED		HO53, Matson Facilities and Management Building	02/13/2020 12:28	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528765	214	Followup Work Not Required
12100	Storm Inlet Insp Comprehensive	02/13/2020 08:50	McLean, Robert	CLOSED		HO52, Matson Facilities and Management building (formerly CEM or Container Equipment Maintenance facility)	02/13/2020 12:24	7766		HONOLULU HARBOR	INLET STATUS	SDIHO528736	695	Followup Work Not Required
12273	Storm Inlet Insp Comprehensive	02/13/2020 08:40	McLean, Robert	CLOSED		HO53, Matson Facilities and Management Building	02/13/2020 12:22	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528763	221	Followup Work Not Required
12272	Storm Inlet Insp Comprehensive	02/13/2020 08:36	McLean, Robert	CLOSED		HO53, Matson Facilities and Management Building	02/13/2020 12:20	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528761	217	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12216	Storm Inlet Insp Comprehensive	02/13/2020 08:30	McLean, Robert	CLOSED		HO52, Matson Facilities and Management building (formerly CEM or Container Equipment Maintenance facility)	02/13/2020 12:18	7774		HONOLULU HARBOR	INLET STATUS	SDIHO528734	199	Followup Work Not Required
12266	Storm Inlet Insp Comprehensive	02/13/2020 08:25	McLean, Robert	CLOSED		HO53, Matson Facilities and Management Building	02/13/2020 12:16	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528759	220	Followup Work Not Required
12265	Storm Inlet Insp Comprehensive	02/13/2020 08:20	McLean, Robert	CLOSED		HO53, Matson Facilities and Management Building	02/13/2020 12:14	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528757	216	Followup Work Not Required
12099	Storm Inlet Insp Comprehensive	02/13/2020 08:15	McLean, Robert	CLOSED		HO52, Matson Facilities and Management building (formerly CEM or Container Equipment Maintenance facility)	02/13/2020 12:11	7766		HONOLULU HARBOR	INLET STATUS	SDIHO528732	693	Followup Work Not Required
12264	Storm Inlet Insp Comprehensive	02/13/2020 08:10	McLean, Robert	CLOSED		HO53, Matson Facilities and Management Building	02/13/2020 12:09	7780		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528755	219	Followup Work Not Required
12098	Storm Inlet Insp Comprehensive	02/13/2020 08:05	McLean, Robert	CLOSED		HO52, Matson Facilities and Management building (formerly CEM or Container Equipment Maintenance facility)	02/13/2020 12:06	7766		HONOLULU HARBOR	INLET STATUS	SDIHO528730	692	Followup Work Not Required
12144	Storm Inlet Insp Comprehensive	02/13/2020 07:55	McLean, Robert	CLOSED		HO53, CFS#2	02/13/2020 12:00	7768		HONOLULU HARBOR	INLET STATUS	SDIHO538798	134	Followup Work Not Required
12145	Storm Inlet Insp Comprehensive	02/13/2020 07:55	McLean, Robert	CLOSED		HO53, CFS#2	02/13/2020 12:03	7768		HONOLULU HARBOR	INLET STATUS	SDIHO538796	133	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12214	Storm Inlet Insp Comprehensive	02/13/2020 07:55	McLean, Robert	CLOSED		HO53, Sand Island Cargo Yard 5	02/13/2020 11:55	7774		HONOLULU HARBOR	INLET STATUS	SDIHO538910	674	Followup Work Not Required
12148	Storm Inlet Insp Comprehensive	02/13/2020 07:50	McLean, Robert	CLOSED		HO53, Container Yard 5	02/13/2020 11:54	7768		HONOLULU HARBOR	INLET STATUS	SDIHO538700	128	Followup Work Not Required
12141	Storm Inlet Insp Comprehensive	02/13/2020 07:10	McLean, Robert	CLOSED		HO53,	02/13/2020 11:46	7768		HONOLULU HARBOR	INLET STATUS	SDIHO538868	200	Followup Work Not Required
13252	Storm Inlet Insp Comprehensive	02/10/2020 09:45	McLean, Robert	CLOSED		HO11, Pier 11 shed	02/10/2020 12:50	8555		HONOLULU HARBOR	INLET STATUS	SDIHO111766	633	Followup Work Not Required
13202	Storm Inlet Insp Comprehensive	02/10/2020 12:00	McLean, Robert	CLOSED	Beagley, Joe	HO08, Aloha Tower Market Place parking lot	02/27/2020 09:59	8553		HONOLULU HARBOR	LINE	SDLHO081241	292	Followup Work Not Required
13206	Storm Inlet Insp Comprehensive	02/10/2020 12:00	McLean, Robert	CLOSED	Beagley, Joe	HO08, Aloha Tower Market Place parking lot	02/27/2020 10:01	8553		HONOLULU HARBOR	LINE	SDLHO081281	297	Followup Work Not Required
13235	Storm Inlet Insp Comprehensive	02/10/2020 12:00	McLean, Robert	CLOSED	Beagley, Joe	HO08, Aloha Tower Market Place parking lot	02/27/2020 10:03	8554		HONOLULU HARBOR	LINE	SDLHO081237	291	Followup Work Not Required
13237	Storm Inlet Insp Comprehensive	02/10/2020 12:00	McLean, Robert	CLOSED	Beagley, Joe	HO08, Aloha Tower Market Place parking lot	02/27/2020 10:00	8554		HONOLULU HARBOR	LINE	SDLHO081243	294	Followup Work Not Required
13239	Storm Inlet Insp Comprehensive	02/10/2020 12:00	McLean, Robert	CLOSED		HO08, Aloha Tower Market Place parking lot	02/27/2020 09:58	8554		HONOLULU HARBOR	LINE	SDLHO081287	296	Followup Work Not Required
13241	Storm Inlet Insp Comprehensive	02/10/2020 12:00	McLean, Robert	CLOSED	Beagley, Joe	HO08, Aloha Tower Market Place parking lot	02/27/2020 09:57	8554		HONOLULU HARBOR	LINE	SDLHO081261	298	Followup Work Not Required
13250	Storm Inlet Insp Comprehensive	02/10/2020 11:55	McLean, Robert	CLOSED		HO11, Harbors Division Administration Building	02/10/2020 12:52	8555		HONOLULU HARBOR	INLET STATUS	SDIHO111824	635	Followup Work Not Required
13174	Storm Inlet Insp Comprehensive	02/10/2020 10:00	McLean, Robert	CLOSED		HO23, road on Diamond Head side of Hawaiian Flour Mill silos	02/26/2020 12:00	8537		HONOLULU HARBOR	INLET STATUS	SDIHO233030	402	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13248	Storm Inlet Insp Comprehensive	02/10/2020 10:00	McLean, Robert	CLOSED		HO11, Harbors Division Administration Building	02/10/2020 12:53	8555		HONOLULU HARBOR	INLET STATUS	SDIHO111854	632	Followup Work Not Required
13249	Storm Inlet Insp Comprehensive	02/10/2020 09:55	McLean, Robert	CLOSED		HO11, Harbors Division Administration Building	02/10/2020 12:52	8555		HONOLULU HARBOR	INLET STATUS	SDIHO111836	634	Followup Work Not Required
13251	Storm Inlet Insp Comprehensive	02/10/2020 09:52	McLean, Robert	CLOSED		HO11, Pier 11 shed	02/10/2020 12:54	8555		HONOLULU HARBOR	INLET STATUS	SDIHO111798	158	Followup Work Not Required
13183	Storm Inlet Insp Comprehensive	02/10/2020 09:41	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/10/2020 12:47	8552		HONOLULU HARBOR	INLET STATUS	SDIHO091456	305	Followup Work Not Required
13187	Storm Inlet Insp Comprehensive	02/10/2020 09:40	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/10/2020 12:46	8552		HONOLULU HARBOR	INLET STATUS	SDIHO091462	302	Followup Work Not Required
13186	Storm Inlet Insp Comprehensive	02/10/2020 09:38	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/10/2020 12:45	8552		HONOLULU HARBOR	INLET STATUS	SDIHO091464	303	Followup Work Not Required
13188	Storm Inlet Insp Comprehensive	02/10/2020 09:36	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/10/2020 12:48	8552		HONOLULU HARBOR	INLET STATUS	SDIHO091470	307	Followup Work Required
13189	Storm Inlet Insp Comprehensive	02/10/2020 09:35	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/10/2020 12:45	8552		HONOLULU HARBOR	INLET STATUS	SDIHO091472	308	Followup Work Not Required
13193	Storm Inlet Insp Comprehensive	02/10/2020 09:33	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/10/2020 12:43	8552		HONOLULU HARBOR	INLET STATUS	SDIHO091478	311	Followup Work Not Required
13194	Storm Inlet Insp Comprehensive	02/10/2020 09:30		CLOSED		HO09, Aloha Tower Market Place	02/10/2020 12:43	8552		HONOLULU HARBOR	INLET STATUS	SDIHO091486	301	Followup Work Not Required
13191	Storm Inlet Insp Comprehensive	02/10/2020 09:27	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/10/2020 12:42	8552		HONOLULU HARBOR	INLET STATUS	SDIHO091482	313	Followup Work Not Required
13190	Storm Inlet Insp Comprehensive	02/10/2020 09:27	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/10/2020 12:41	8552		HONOLULU HARBOR	INLET STATUS	SDIHO091474	309	Followup Work Not Required
13185	Storm Inlet Insp Comprehensive	02/10/2020 09:25		CLOSED		HO09, Aloha Tower Market Place	02/10/2020 12:41	8552		HONOLULU HARBOR	INLET STATUS	SDIHO091466	304	Followup Work Not Required
13184	Storm Inlet Insp Comprehensive	02/10/2020 09:23	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/10/2020 12:40	8552		HONOLULU HARBOR	INLET STATUS	SDIHO091458	306	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13200	Storm Inlet Insp Comprehensive	02/10/2020 09:23	McLean, Robert	CLOSED		HO08, Aloha Tower Market Place parking lot	02/10/2020 12:26	8553		HONOLULU HARBOR	LINE	SDLHO081235	290	Followup Work Not Required
13182	Storm Inlet Insp Comprehensive	02/10/2020 09:20	McLean, Robert	CLOSED		HO09, Aloha Tower Drive	02/10/2020 12:39	8552		HONOLULU HARBOR	INLET STATUS	SDIHO091452	246	Followup Work Not Required
13234	Storm Inlet Insp Comprehensive	02/10/2020 09:20	McLean, Robert	CLOSED		HO08, Aloha Tower Market Place parking lot	02/10/2020 12:24	8554		HONOLULU HARBOR	LINE	SDLHO081235	290	Followup Work Required
13208	Storm Inlet Insp Comprehensive	02/10/2020 09:18	McLean, Robert	CLOSED		HO08, Aloha Tower Market Place parking lot	02/10/2020 12:25	8553		HONOLULU HARBOR	LINE	SDLHO081259	299	Followup Work Not Required
13228	Storm Inlet Insp Comprehensive	02/10/2020 09:15	McLean, Robert	CLOSED		HO08, Aloha Tower	02/10/2020 12:19	8554		HONOLULU HARBOR	INLET STATUS	SDIHO081260	242	Followup Work Not Required
13125	Storm Inlet Insp Comprehensive	02/10/2020 08:55	McLean, Robert	CLOSED		HO30,	02/10/2020 12:58	8432		HONOLULU HARBOR	INLET STATUS	SDIHO313924	520	Followup Work Not Required
13226	Storm Inlet Insp Comprehensive	02/10/2020 08:45	McLean, Robert	CLOSED		HO08, Aloha Tower Market Place parking lot	02/10/2020 12:30	8554		HONOLULU HARBOR	INLET STATUS	SDIHO081240	240	Followup Work Not Required
13147	Storm Inlet Insp Comprehensive	02/10/2020 08:15	McLean, Robert	CLOSED		HO19, Pier 19 Shed	02/10/2020 12:56	8488		HONOLULU HARBOR	INLET STATUS	SDIHO192410	219	Followup Work Not Required
13142	Storm Inlet Insp Comprehensive	02/10/2020 07:53	McLean, Robert	CLOSED		HO24, Sause Brothers Parking lot	02/10/2020 12:17	8483		HONOLULU HARBOR	INLET STATUS	SDIHO243202	420	Followup Work Not Required
13209	Storm Inlet Insp Comprehensive	02/10/2020 07:50	McLean, Robert	CLOSED		HO08, Intersection of Bishop Street and Aloha Tower Drive	02/10/2020 12:35	8553		HONOLULU HARBOR	LINE	SDLHO081233	300	Followup Work Not Required
13224	Storm Inlet Insp Comprehensive	02/10/2020 07:50	McLean, Robert	CLOSED		HO08, Nimitz Highway	02/10/2020 12:32	8554			INLET STATUS	SDIHO081244	243	Followup Work Not Required
12143	Storm Inlet Insp Comprehensive	02/10/2020 07:45	McLean, Robert	CLOSED		HO53, Container Yard 5	02/13/2020 11:49	7768		HONOLULU HARBOR	INLET STATUS	SDIHO538698	126	Followup Work Not Required
13243	Storm Inlet Insp Comprehensive	02/10/2020 07:45	McLean, Robert	CLOSED		HO08, Intersection of Bishop Street and Aloha Tower Drive	02/10/2020 12:37	8554		HONOLULU HARBOR	LINE	SDLHO081233	300	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13171	Storm Inlet Insp Comprehensive	02/10/2020 07:40	McLean, Robert	CLOSED		HO23, McCabe, Hamilton and Renny, The Stevedores	02/10/2020 11:32	8534		HONOLULU HARBOR	INLET STATUS	SDIHO233010	405	Followup Work Not Required
13173	Storm Inlet Insp Comprehensive	02/10/2020 07:40	McLean, Robert	CLOSED		HO23, road on Diamond Head side of Hawaiian Flour Mill silos	02/10/2020 11:23	8536		HONOLULU HARBOR	INLET STATUS	SDIHO233006	404	Followup Work Not Required
13233	Storm Inlet Insp Comprehensive	02/10/2020 07:40	McLean, Robert	CLOSED		HO08, Aloha Tower Market Place parking lot	02/10/2020 12:34	8554		HONOLULU HARBOR	LINE	SDLHO081239	289	Followup Work Not Required
13172	Storm Inlet Insp Comprehensive	02/10/2020 07:39	McLean, Robert	CLOSED		HO23, road on Diamond Head side of Hawaiian Flour Mill silos	02/10/2020 11:12	8535		HONOLULU HARBOR	INLET STATUS	SDIHO233008	403	Followup Work Not Required
13199	Storm Inlet Insp Comprehensive	02/10/2020 07:35		CLOSED		HO08, Aloha Tower Market Place parking lot	02/10/2020 12:29	8553		HONOLULU HARBOR	LINE	SDLHO081239	289	Followup Work Not Required
13168	Storm Inlet Insp Comprehensive	02/10/2020 07:32	McLean, Robert	CLOSED		HO24, Roadway between Bella Pietra Flooring building and Pier 23	02/10/2020 11:35	8531		HONOLULU HARBOR	INLET STATUS	SDIHO243072	407	Followup Work Not Required
13170	Storm Inlet Insp Comprehensive	02/10/2020 07:29	McLean, Robert	CLOSED		HO23,	02/10/2020 11:29	8533		HONOLULU HARBOR	INLET STATUS	SDIHO233004	720	Followup Work Not Required
13169	Storm Inlet Insp Comprehensive	02/10/2020 07:29	McLean, Robert	CLOSED		HO23, Roadway at northeast corner of Pier 23	02/10/2020 11:31	8532		HONOLULU HARBOR	INLET STATUS	SDIHO233002	406	Followup Work Not Required
13242	Storm Inlet Insp Comprehensive	02/10/2020 07:18	McLean, Robert	CLOSED		HO08, Aloha Tower Market Place parking lot	02/10/2020 12:22	8554		HONOLULU HARBOR	LINE	SDLHO081259	299	Followup Work Not Required
12146	Storm Inlet Insp Comprehensive	02/10/2020 07:05	McLean, Robert	CLOSED		HO53, CFS#2	02/13/2020 05:26	7768		HONOLULU HARBOR	INLET STATUS	SDIHO538794	132	Followup Work Not Required
13420	Storm Inlet Insp Comprehensive	02/10/2020 07:00	McLean, Robert	CLOSED		HO09, Aloha Tower Drive	02/12/2020 12:33	8575		HONOLULU HARBOR	INLET STATUS	SDIHO092022	245	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12150	Storm Inlet Insp Comprehensive	02/10/2020 06:43	McLean, Robert	CLOSED		HO53, Matson Container Facility	02/13/2020 05:29	7768		HONOLULU HARBOR	INLET STATUS	SDIHO538908	683	Followup Work Not Required
12149	Storm Inlet Insp Comprehensive	02/10/2020 06:41	McLean, Robert	CLOSED		HO53,	02/13/2020 05:28	7768		HONOLULU HARBOR	INLET STATUS	SDIHO538672	129	Followup Work Not Required
12147	Storm Inlet Insp Comprehensive	02/10/2020 06:37	McLean, Robert	CLOSED		HO53,	02/13/2020 05:28	7768		HONOLULU HARBOR	INLET STATUS	SDIHO538670	127	Followup Work Not Required
13192	Storm Inlet Insp Comprehensive	02/10/2020 06:36	McLean, Robert	CLOSED		HO09, Aloha Tower Market Place	02/10/2020 12:44	8552		HONOLULU HARBOR	INLET STATUS	SDIHO091480	312	Followup Work Not Required
13155	Storm Inlet Insp Comprehensive	02/7/2020 07:05	McLean, Robert	CLOSED		HO20, Warehouse No. 6	02/7/2020 07:54	8499		HONOLULU HARBOR	INLET STATUS	SDIHO202642	395	Followup Work Not Required
13153	Storm Inlet Insp Comprehensive	02/7/2020 09:45	McLean, Robert	CLOSED		HO18, Pier 18	02/7/2020 11:56	8497		HONOLULU HARBOR	INLET STATUS	SDIHO182308	363	Followup Work Not Required
13154	Storm Inlet Insp Comprehensive	02/7/2020 09:44	McLean, Robert	CLOSED		HO18, Pier 18	02/7/2020 11:58	8498		HONOLULU HARBOR	INLET STATUS	SDIHO182310	360	Followup Work Not Required
13137	Storm Inlet Insp Comprehensive	02/7/2020 09:30	McLean, Robert	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	02/7/2020 11:52	8478		HONOLULU HARBOR	INLET STATUS	SDIHO232442	376	Followup Work Not Required
13134	Storm Inlet Insp Comprehensive	02/7/2020 09:20	McLean, Robert	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	02/7/2020 11:41	8464		HONOLULU HARBOR	INLET STATUS	SDIHO232448	374	Followup Work Not Required
13136	Storm Inlet Insp Comprehensive	02/7/2020 09:20	McLean, Robert	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	02/7/2020 11:46	8477		HONOLULU HARBOR	INLET STATUS	SDIHO232438	373	Followup Work Not Required
13135	Storm Inlet Insp Comprehensive	02/7/2020 09:10	McLean, Robert	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	02/7/2020 11:45	8465		HONOLULU HARBOR	INLET STATUS	SDIHO232440	372	Followup Work Not Required
13175	Storm Inlet Insp Comprehensive	02/7/2020 09:04	McLean, Robert	CLOSED		HO23, road near Hawaii Flour Mills silos and loading dock for DHX	02/7/2020 11:15	8538		HONOLULU HARBOR	INLET STATUS	SDIHO232814	401	Followup Work Not Required
13180	Storm Inlet Insp Comprehensive	02/7/2020 08:58	McLean, Robert	CLOSED		HO23, DHX yard	02/7/2020 11:35	8543		HONOLULU HARBOR	INLET STATUS	SDIHO232686	399	Followup Work Not Required
13179	Storm Inlet Insp Comprehensive	02/7/2020 08:53	McLean, Robert	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	02/7/2020 11:33	8542		HONOLULU HARBOR	INLET STATUS	SDIHO232682	375	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13178	Storm Inlet Insp Comprehensive	02/7/2020 08:49	McLean, Robert	CLOSED		HO23, DHX yard; Former molasses tank farm at Pier 19	02/7/2020 11:30	8541		HONOLULU HARBOR	INLET STATUS	SDIHO232680	397	Followup Work Not Required
13177	Storm Inlet Insp Comprehensive	02/7/2020 08:45	McLean, Robert	CLOSED		HO23, Warehouse #8	02/7/2020 11:19	8540		HONOLULU HARBOR	INLET STATUS	SDIHO232678	223	Followup Work Not Required
13176	Storm Inlet Insp Comprehensive	02/7/2020 08:36	McLean, Robert	CLOSED		HO23, road fronting loading dock for DHX	02/7/2020 08:38	8539		HONOLULU HARBOR	INLET STATUS	SDIHO232812	400	Followup Work Not Required
13181	Storm Inlet Insp Comprehensive	02/7/2020 07:16	Martello, Mitchell	CLOSED		HO23, Pier 23 Shed	02/7/2020 07:23	8544		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO232815	206	Followup Work Not Required
13158	Storm Inlet Insp Comprehensive	02/7/2020 07:07	McLean, Robert	CLOSED		HO23, Warehouse #6	02/7/2020 07:59	8505		HONOLULU HARBOR	INLET STATUS	SDIHO222806	702	Followup Work Not Required
13157	Storm Inlet Insp Comprehensive	02/7/2020 07:03	McLean, Robert	CLOSED		HO20, Warehouse No. 6	02/7/2020 07:44	8501		HONOLULU HARBOR	INLET STATUS	SDIHO202646	394	Followup Work Not Required
13156	Storm Inlet Insp Comprehensive	02/7/2020 07:01	McLean, Robert	CLOSED		HO20, Warehouse No. 6	02/7/2020 07:37	8500		HONOLULU HARBOR	INLET STATUS	SDIHO202648	392	Followup Work Not Required
13161	Storm Inlet Insp Comprehensive	02/7/2020 06:48	McLean, Robert	CLOSED		HO21, Southwest corner of ferry parking lot near across Warehouse 6 and Pier 21 building.	02/7/2020 07:42	8517		HONOLULU HARBOR	INLET STATUS	SDIHO202700	416	Followup Work Not Required
13159	Storm Inlet Insp Comprehensive	02/7/2020 06:43	McLean, Robert	CLOSED		HO21, Pier 21 shed	02/7/2020 07:27	8511		HONOLULU HARBOR	INLET STATUS	SDIHO212612	437	Followup Work Not Required
13110	Storm Inlet Insp Comprehensive	02/7/2020 06:30	McLean, Robert	CLOSED	Beagley, Joe	HO32, BEI Pier 32 Caustic Soda Storage	02/26/2020 11:04	8395		HONOLULU HARBOR	INLET STATUS	SDIHO324246	213	Followup Work Not Required
13151	Storm Inlet Insp Comprehensive	02/5/2020 11:00	McLean, Robert	CLOSED		HO18, Pier 18, Harbors Division Custodial Unit	02/5/2020 02:07	8492		HONOLULU HARBOR	INLET STATUS	SDIHO182320	366	Followup Work Not Required
13150	Storm Inlet Insp Comprehensive	02/5/2020 10:10	McLean, Robert	CLOSED		HO18, Pier 18	02/5/2020 02:04	8491		HONOLULU HARBOR	INLET STATUS	SDIHO182304	364	Followup Work Not Required
13152	Storm Inlet Insp Comprehensive	02/5/2020 09:30	McLean, Robert	CLOSED	Beagley, Joe	HO18, Pier 18	02/5/2020 01:58	8496		HONOLULU HARBOR	INLET STATUS	SDIHO182306	439	Followup Work Not Required
13148	Storm Inlet Insp Comprehensive	02/5/2020 09:20	McLean, Robert	CLOSED		HO18, Pier 18 roadway and parking area	02/5/2020 01:52	8489		HONOLULU HARBOR	INLET STATUS	SDIHO182422	367	Followup Work Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
13126	Storm Inlet Insp Comprehensive	02/5/2020 09:08	McLean, Robert	CLOSED		HO31, Roadway between HECO and Aloha Petroleum	02/5/2020 01:48	8433		HONOLULU HARBOR	INLET STATUS	SDIHO313972	533	Followup Work Not Required
13127	Storm Inlet Insp Comprehensive	02/5/2020 09:03	McLean, Robert	CLOSED		HO31, Pier 31 shed	02/5/2020 01:43	8434		HONOLULU HARBOR	INLET STATUS	SDIHO313958	636	Followup Work Not Required
13128	Storm Inlet Insp Comprehensive	02/5/2020 08:58	McLean, Robert	CLOSED		HO31, Pier 31 Shed	02/5/2020 01:42	8435		HONOLULU HARBOR	INLET STATUS	SDIHO313954	697	Followup Work Not Required
13129	Storm Inlet Insp Comprehensive	02/5/2020 08:41	McLean, Robert	CLOSED		HO31,	02/5/2020 01:23	8436		HONOLULU HARBOR	INLET STATUS	SDIHO314152	704	Followup Work Not Required
13121	Storm Inlet Insp Comprehensive	02/5/2020 08:40	McLean, Robert	CLOSED		HO32, Pier 32 shed	02/5/2020 01:18	8428		HONOLULU HARBOR	INLET STATUS	SDIHO324202	464	Followup Work Not Required
13124	Storm Inlet Insp Comprehensive	02/5/2020 08:28	McLean, Robert	CLOSED		HO34, Pier 34	02/5/2020 01:13	8431		HONOLULU HARBOR	INLET STATUS	SDIHO344352	470	Followup Work Not Required
13122	Storm Inlet Insp Comprehensive	02/5/2020 08:23	McLean, Robert	CLOSED		HO33,	02/5/2020 01:10	8429		HONOLULU HARBOR	INLET STATUS	SDIHO344328	467	Followup Work Not Required
13123	Storm Inlet Insp Comprehensive	02/5/2020 08:19	McLean, Robert	CLOSED		HO33,	02/5/2020 01:07	8430		HONOLULU HARBOR	INLET STATUS	SDIHO344324	469	Followup Work Not Required
13118	Storm Inlet Insp Comprehensive	02/5/2020 08:12	McLean, Robert	CLOSED		HO32,	02/5/2020 01:04	8425		HONOLULU HARBOR	INLET STATUS	SDIHO324208	457	Followup Work Not Required
13119	Storm Inlet Insp Comprehensive	02/5/2020 08:02	McLean, Robert	CLOSED		HO32,	02/5/2020 08:04	8426		HONOLULU HARBOR	INLET STATUS	SDIHO324236	458	Followup Work Not Required
13111	Storm Inlet Insp Comprehensive	02/5/2020 07:11	McLean, Robert	CLOSED		HO32, PENCO/BEI yard	02/5/2020 01:00	8396		HONOLULU HARBOR	INLET STATUS	SDIHO324242	215	Followup Work Not Required
13112	Storm Inlet Insp Comprehensive	02/5/2020 06:58	McLean, Robert	CLOSED		HO32, PENCO/BEI yard	02/5/2020 07:16	8396		HONOLULU HARBOR	INLET STATUS	SDIHO324244	224	Followup Work Not Required
13133	Storm Inlet Insp Comprehensive	02/3/2020 06:30	McLean, Robert	CLOSED	Beagley, Joe	HO19, Pier 19 shed	02/5/2020 02:07	8463		HONOLULU HARBOR	INLET STATUS	SDIHO192484	700	Followup Work Required
13114	Storm Inlet Insp Comprehensive	01/26/2020 08:00	McLean, Robert	CLOSED		HO40, Young Brothers entrance	01/27/2020 05:46	8398		HONOLULU HARBOR	INLET STATUS	SDIHO405610	541	Followup Work Not Required
13115	Storm Inlet Insp Comprehensive	01/26/2020 08:00	McLean, Robert	CLOSED		HO40, Young Brothers maintenance facility	01/27/2020 05:51	8399		HONOLULU HARBOR	INLET STATUS	SDIHO405608	543	Followup Work Not Required
13117	Storm Inlet Insp Comprehensive	01/26/2020 08:00	McLean, Robert	CLOSED		HO39, Young Brothers entrance	01/27/2020 05:40	8401		HONOLULU HARBOR	INLET STATUS	SDIHO395612	582	Followup Work Not Required
12295	Storm Inlet Insp Comprehensive	01/26/2020 06:30	McLean, Robert	CLOSED		HO32, Young Brothers	02/16/2020 09:21	7783		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO405401	166	Followup Work Not Required

Attachment 15b.
Strom Drain Inlet Comprehensive

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Location	Finish Date	Work Order Id	Request Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12294	Storm Inlet Insp Comprehensive	01/19/2020 06:34	McLean, Robert	CLOSED		HO32, Young Brothers	01/21/2020 05:24	7783		HONOLULU HARBOR	OPEN LINE STATUS	SDOHO405403	165	Followup Work Not Required
12208	Storm Inlet Insp Comprehensive	01/6/2020 12:00	Gomes, Gregory	CLOSED		HO40, Between Young Brothers Annex and Admin buildings	01/13/2020 11:16	7773		HONOLULU HARBOR	INLET STATUS	SDIHO405708	545	Followup Work Not Required
12209	Storm Inlet Insp Comprehensive	01/6/2020 12:00	Gomes, Gregory	CLOSED		HO40, Between Young Brothers Annex and Admin buildings	01/13/2020 11:15	7773		HONOLULU HARBOR	INLET STATUS	SDIHO405722	544	Followup Work Not Required
12210	Storm Inlet Insp Comprehensive	01/6/2020 12:00	Gomes, Gregory	CLOSED		HO39, Young Brothers Refrigeration Container Facility	01/13/2020 11:18	7773		HONOLULU HARBOR	INLET STATUS	SDIHO395514	537	Followup Work Not Required
12211	Storm Inlet Insp Comprehensive	01/6/2020 12:00	Gomes, Gregory	CLOSED		HO39, Young Brothers Refrigeration Container Facility	01/13/2020 11:18	7773		HONOLULU HARBOR	INLET STATUS	SDIHO395512	538	Followup Work Not Required
12212	Storm Inlet Insp Comprehensive	01/6/2020 12:00	Gomes, Gregory	CLOSED		HO40, Ewa side of Young Brothers Annex building	01/13/2020 11:14	7773		HONOLULU HARBOR	INLET STATUS	SDIHO405712	546	Followup Work Not Required
13116	Storm Inlet Insp Comprehensive	01/6/2020 12:00	McLean, Robert	CLOSED		HO40, Between Young Brothers Annex and Admin buildings	01/28/2020 10:19	8400		HONOLULU HARBOR	INLET STATUS	SDIHO405708	545	Followup Work Not Required

Attachment 15.c

Five-Year Storm Drain Inlet Cleaning

Attachment 15c.
5 Year Storm Drain Inlet Cleaning

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12075	Storm Inlet Insp Comprehensive	10/25/2019 07:00	McLean, Robert	CLOSED		10/25/2019 12:26	7764	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077602	24	Followup Work Not Required
12076	Storm Inlet Insp Comprehensive	10/25/2019 07:00	McLean, Robert	CLOSED		10/25/2019 12:27	7764	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077402	23	Followup Work Not Required
12077	Storm Inlet Insp Comprehensive			CLOSED	Kahaleoumi, Wendell K	11/13/2020 06:38	7764	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077002	28	
12078	Storm Inlet Insp Comprehensive	10/25/2019 07:00	McLean, Robert	CLOSED		10/25/2019 12:31	7764	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077202	25	Followup Work Not Required
12079	Storm Inlet Insp Comprehensive			CLOSED	Kahaleoumi, Wendell K	11/13/2020 06:37	7764	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP066802	27	
12080	Storm Inlet Insp Comprehensive	10/25/2019 07:00	McLean, Robert	CLOSED		10/25/2019 12:30	7764	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP077302	22	Followup Work Not Required
12081	Storm Inlet Insp Comprehensive	11/2/2019 08:01	McLean, Robert	CLOSED		11/2/2019 01:40	7764	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055902	18	Followup Work Not Required
12082	Storm Inlet Insp Comprehensive	11/2/2019 08:51	McLean, Robert	CLOSED		11/2/2019 01:37	7764	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055702	19	Followup Work Not Required
12083	Storm Inlet Insp Comprehensive	11/2/2019 08:24	McLean, Robert	CLOSED		11/2/2019 01:33	7764	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055502	20	Followup Work Not Required
12084	Storm Inlet Insp Comprehensive	11/2/2019 07:03	McLean, Robert	CLOSED		11/2/2019 01:31	7764	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055302	29	Followup Work Not Required
12085	Storm Inlet Insp Comprehensive	11/2/2019 06:38	McLean, Robert	CLOSED		11/2/2019 01:25	7764	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055202	21	Followup Work Not Required
12086	Storm Inlet Insp Comprehensive	08/5/2019 07:50	McLean, Robert	CLOSED		08/5/2019 11:44	7765	HONOLULU HARBOR	INLET STATUS	SDIHO384902	47	Followup Work Not Required
12087	Storm Inlet Insp Comprehensive	08/5/2019 08:40	McLean, Robert	CLOSED		08/5/2019 11:30	7765	HONOLULU HARBOR	INLET STATUS	SDIHO384704	43	Followup Work Not Required
12088	Storm Inlet Insp Comprehensive	07/19/2019 07:00	McLean, Robert	CLOSED		07/19/2019 09:47	7765	HONOLULU HARBOR	INLET STATUS	SDIHO384806	41	Followup Work Not Required
12089	Storm Inlet Insp Comprehensive	08/5/2019 07:48	McLean, Robert	CLOSED		08/5/2019 11:35	7765	HONOLULU HARBOR	INLET STATUS	SDIHO385102	46	Followup Work Not Required
12090	Storm Inlet Insp Comprehensive	08/5/2019 08:30	McLean, Robert	CLOSED		08/5/2019 11:31	7765	HONOLULU HARBOR	INLET STATUS	SDIHO384808	42	Followup Work Not Required
12091	Storm Inlet Insp Comprehensive	08/5/2019 07:28	McLean, Robert	CLOSED		08/5/2019 11:27	7765	HONOLULU HARBOR	INLET STATUS	SDIHO384706	44	Followup Work Not Required
12092	Storm Inlet Insp Comprehensive	07/19/2019 06:35	McLean, Robert	CLOSED		07/19/2019 09:26	7765	HONOLULU HARBOR	INLET STATUS	SDIHO384816	38	Followup Work Not Required
12093	Storm Inlet Insp Comprehensive	08/5/2019 07:17	McLean, Robert	CLOSED		08/5/2019 11:14	7765	HONOLULU HARBOR	INLET STATUS	SDIHO384708	45	Followup Work Not Required
12094	Storm Inlet Insp Comprehensive	08/5/2019 06:57	McLean, Robert	CLOSED		08/5/2019 11:03	7765	HONOLULU HARBOR	INLET STATUS	SDIHO384710	35	Followup Work Not Required
12095	Storm Inlet Insp Comprehensive	07/19/2019 06:47	McLean, Robert	CLOSED		07/19/2019 09:40	7765	HONOLULU HARBOR	INLET STATUS	SDIHO384820	37	Followup Work Not Required

Attachment 15c.
5 Year Storm Drain Inlet Cleaning

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12096	Storm Inlet Insp Comprehensive	08/5/2019 08:32	McLean, Robert	CLOSED		08/5/2019 12:16	7765	HONOLULU HARBOR	INLET STATUS	SDIHO384606	34	Followup Work Not Required
12097	Storm Inlet Insp Comprehensive	08/5/2019 08:12	McLean, Robert	CLOSED		08/5/2019 12:12	7765	HONOLULU HARBOR	INLET STATUS	SDIHO384608	33	Followup Work Not Required
12098	Storm Inlet Insp Comprehensive	02/13/2020 08:05	McLean, Robert	CLOSED		02/13/2020 12:06	7766	HONOLULU HARBOR	INLET STATUS	SDIHO528730	692	Followup Work Not Required
12099	Storm Inlet Insp Comprehensive	02/13/2020 08:15	McLean, Robert	CLOSED		02/13/2020 12:11	7766	HONOLULU HARBOR	INLET STATUS	SDIHO528732	693	Followup Work Not Required
12100	Storm Inlet Insp Comprehensive	02/13/2020 08:50	McLean, Robert	CLOSED		02/13/2020 12:24	7766	HONOLULU HARBOR	INLET STATUS	SDIHO528736	695	Followup Work Not Required
12101	Storm Inlet Insp Comprehensive	05/5/2020 07:30	McLean, Robert	CLOSED		05/5/2020 08:24	7766	HONOLULU HARBOR	INLET STATUS	SDIHO528876	104	Followup Work Not Required
12102	Storm Inlet Insp Comprehensive	10/1/2019 07:10	McLean, Robert	CLOSED		10/1/2019 11:23	7766	HONOLULU HARBOR	INLET STATUS	SDIHO528718	680	Followup Work Not Required
12103	Storm Inlet Insp Comprehensive	10/1/2019 08:00	McLean, Robert	CLOSED		10/1/2019 11:19	7766	HONOLULU HARBOR	INLET STATUS	SDIHO528716	679	Followup Work Not Required
12106	Storm Inlet Insp Comprehensive	11/11/2020 11:00	Shimizu, Paul	CLOSED		12/2/2020 07:06	7766	HONOLULU HARBOR	INLET STATUS	SDIHO528510	119	Followup Work Not Required
12108	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/1/2020 03:13	7766	HONOLULU HARBOR	INLET STATUS	SDIHO528660	144	Followup Work Not Required
12109	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/1/2020 03:12	7766	HONOLULU HARBOR	INLET STATUS	SDIHO528662	120	Followup Work Not Required
12111	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/1/2020 03:10	7766	HONOLULU HARBOR	INLET STATUS	SDIHO528664	121	Followup Work Not Required
12112	Storm Inlet Insp Comprehensive	10/15/2019 06:30	McLean, Robert	CLOSED		10/15/2019 07:49	7766	HONOLULU HARBOR	INLET STATUS	SDIHO528874	103	Followup Work Not Required
12113	Storm Inlet Insp Comprehensive	05/5/2020 06:30	McLean, Robert	CLOSED		05/5/2020 08:17	7766	HONOLULU HARBOR	INLET STATUS	SDIHO528880	105	Followup Work Not Required
12114	Storm Inlet Insp Comprehensive	10/1/2019 06:50	McLean, Robert	CLOSED		10/1/2019 11:05	7766	HONOLULU HARBOR	INLET STATUS	SDIHO528712	677	Followup Work Not Required
12115	Storm Inlet Insp Comprehensive	08/18/2020 12:00	Shimizu, Paul	CLOSED		12/7/2020 08:33	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518376	98	Followup Work Not Required
12118	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/1/2020 03:07	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518408	690	Followup Work Not Required
12119	Storm Inlet Insp Comprehensive	12/2/2020 08:00	Everett Oliveira	CLOSED		12/2/2020 10:32	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518476	97	Followup Work Not Required
12120	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/1/2020 03:05	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518472	688	Followup Work Not Required
12121	Storm Inlet Insp Comprehensive	08/3/2018 12:00	Shimizu, Paul	CLOSED		11/30/2020 10:26	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518370	95	Followup Work Not Required
12122	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/1/2020 03:03	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518470	689	Followup Work Not Required

Attachment 15c.
5 Year Storm Drain Inlet Cleaning

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12123	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/1/2020 03:09	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518152	92	Followup Work Not Required
12124	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/1/2020 03:08	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518410	96	Followup Work Not Required
12125	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/2/2020 07:11	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518150	93	Followup Work Not Required
12126	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/2/2020 07:08	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518364	101	Followup Work Not Required
12127	Storm Inlet Insp Comprehensive	11/30/2020 08:00	Everett Oliveira	CLOSED		11/30/2020 11:27	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518260	202	Followup Work Not Required
12128	Storm Inlet Insp Comprehensive	02/20/2019 12:00	Shimizu, Paul	CLOSED		12/11/2020 12:40	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518146	110	Followup Work Not Required
12129	Storm Inlet Insp Comprehensive	12/1/2020 12:40		CLOSED		12/1/2020 12:36	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518262	203	
12130	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/2/2020 07:15	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518140	108	Followup Work Not Required
12131	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/2/2020 07:12	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518360	115	Followup Work Not Required
12132	Storm Inlet Insp Comprehensive	05/29/2020 06:15	McLean, Robert	CLOSED		05/29/2020 11:15	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518416	675	Followup Work Not Required
12133	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/2/2020 07:08	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518366	106	Followup Work Not Required
12134	Storm Inlet Insp Comprehensive	03/11/2020 08:15	McLean, Robert	CLOSED		03/11/2020 10:50	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518084	86	Followup Work Not Required
12135	Storm Inlet Insp Comprehensive	08/9/2019 07:39	McLean, Robert	CLOSED		08/9/2019 10:14	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518082	87	Followup Work Not Required
12136	Storm Inlet Insp Comprehensive	08/9/2019 08:00	McLean, Robert	CLOSED		08/9/2019 10:24	7767	HONOLULU HARBOR	INLET STATUS	SDIHO517962	68	Followup Work Not Required
12137	Storm Inlet Insp Comprehensive	08/9/2019 07:50	McLean, Robert	CLOSED		08/9/2019 10:21	7767	HONOLULU HARBOR	INLET STATUS	SDIHO517882	67	Followup Work Not Required
12138	Storm Inlet Insp Comprehensive	08/9/2019 07:15	McLean, Robert	CLOSED		08/9/2019 10:18	7767	HONOLULU HARBOR	INLET STATUS	SDIHO517852	65	Followup Work Not Required
12139	Storm Inlet Insp Comprehensive	03/11/2020 06:45	McLean, Robert	CLOSED		03/11/2020 10:25	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518468	684	Followup Work Not Required
12140	Storm Inlet Insp Comprehensive	03/11/2020 06:35	McLean, Robert	CLOSED		03/11/2020 10:41	7767	HONOLULU HARBOR	INLET STATUS	SDIHO518466	112	Followup Work Not Required
12141	Storm Inlet Insp Comprehensive	02/13/2020 07:10	McLean, Robert	CLOSED		02/13/2020 11:46	7768	HONOLULU HARBOR	INLET STATUS	SDIHO538868	200	Followup Work Not Required
12142	Storm Inlet Insp Comprehensive	11/30/2020 07:30		CLOSED		11/30/2020 11:19	7768	HONOLULU HARBOR	INLET STATUS	SDIHO538906	681	Followup Work Not Required
12143	Storm Inlet Insp Comprehensive	02/10/2020 07:45	McLean, Robert	CLOSED		02/13/2020 11:49	7768	HONOLULU HARBOR	INLET STATUS	SDIHO538698	126	Followup Work Not Required

Attachment 15c.
5 Year Storm Drain Inlet Cleaning

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12144	Storm Inlet Insp Comprehensive	02/13/2020 07:55	McLean, Robert	CLOSED		02/13/2020 12:00	7768	HONOLULU HARBOR	INLET STATUS	SDIHO538798	134	Followup Work Not Required
12145	Storm Inlet Insp Comprehensive	02/13/2020 07:55	McLean, Robert	CLOSED		02/13/2020 12:03	7768	HONOLULU HARBOR	INLET STATUS	SDIHO538796	133	Followup Work Not Required
12146	Storm Inlet Insp Comprehensive	02/10/2020 07:05	McLean, Robert	CLOSED		02/13/2020 05:26	7768	HONOLULU HARBOR	INLET STATUS	SDIHO538794	132	Followup Work Not Required
12147	Storm Inlet Insp Comprehensive	02/10/2020 06:37	McLean, Robert	CLOSED		02/13/2020 05:28	7768	HONOLULU HARBOR	INLET STATUS	SDIHO538670	127	Followup Work Not Required
12148	Storm Inlet Insp Comprehensive	02/13/2020 07:50	McLean, Robert	CLOSED		02/13/2020 11:54	7768	HONOLULU HARBOR	INLET STATUS	SDIHO538700	128	Followup Work Not Required
12149	Storm Inlet Insp Comprehensive	02/10/2020 06:41	McLean, Robert	CLOSED		02/13/2020 05:28	7768	HONOLULU HARBOR	INLET STATUS	SDIHO538672	129	Followup Work Not Required
12150	Storm Inlet Insp Comprehensive	02/10/2020 06:43	McLean, Robert	CLOSED		02/13/2020 05:29	7768	HONOLULU HARBOR	INLET STATUS	SDIHO538908	683	Followup Work Not Required
12151	Storm Inlet Insp Comprehensive	11/30/2020 07:00	Everett Oliveira	CLOSED		11/30/2020 10:34	7768	HONOLULU HARBOR	INLET STATUS	SDIHO538902	117	Followup Work Not Required
12152	Storm Inlet Insp Comprehensive	10/7/2019 06:30	McLean, Robert	CLOSED		10/7/2019 10:51	7769	HONOLULU HARBOR	INLET STATUS	SDIHO010213	766	Followup Work Not Required
12153	Storm Inlet Insp Comprehensive	11/5/2019 06:30	McLean, Robert	CLOSED		11/5/2019 09:58	7769	HONOLULU HARBOR	INLET STATUS	SDIHO020178	177	Followup Work Not Required
12155	Storm Inlet Insp Comprehensive	10/7/2019 06:30	McLean, Robert	CLOSED		10/7/2019 10:58	7769	HONOLULU HARBOR	INLET STATUS	SDIHO010266	185	Followup Work Not Required
12156	Storm Inlet Insp Comprehensive	10/7/2019 06:30	McLean, Robert	CLOSED		10/7/2019 11:04	7769	HONOLULU HARBOR	INLET STATUS	SDIHO010272	188	Followup Work Not Required
12157	Storm Inlet Insp Comprehensive	10/7/2019 06:30		CLOSED		10/7/2019 10:59	7769	HONOLULU HARBOR	INLET STATUS	SDIHO010268	186	Followup Work Not Required
12158	Storm Inlet Insp Comprehensive	10/7/2019 06:30	McLean, Robert	CLOSED		10/7/2019 11:05	7769	HONOLULU HARBOR	INLET STATUS	SDIHO010274	189	Followup Work Not Required
12159	Storm Inlet Insp Comprehensive	10/7/2019 06:30	McLean, Robert	CLOSED		10/7/2019 11:06	7769	HONOLULU HARBOR	INLET STATUS	SDIHO010276	190	Followup Work Not Required
12160	Storm Inlet Insp Comprehensive	10/7/2019 06:30	McLean, Robert	CLOSED		10/7/2019 11:09	7769	HONOLULU HARBOR	INLET STATUS	SDIHO010282	193	Followup Work Not Required
12161	Storm Inlet Insp Comprehensive	10/7/2019 06:30	McLean, Robert	CLOSED		10/7/2019 11:07	7769	HONOLULU HARBOR	INLET STATUS	SDIHO010278	191	Followup Work Not Required
12162	Storm Inlet Insp Comprehensive	10/7/2019 06:30	McLean, Robert	CLOSED		10/7/2019 11:08	7769	HONOLULU HARBOR	INLET STATUS	SDIHO010280	192	Followup Work Not Required
12163	Storm Inlet Insp Comprehensive	10/7/2019 06:30	McLean, Robert	CLOSED		10/7/2019 11:10	7769	HONOLULU HARBOR	INLET STATUS	SDIHO010284	194	Followup Work Not Required
12164	Storm Inlet Insp Comprehensive	10/7/2019 06:30	McLean, Robert	CLOSED		10/7/2019 10:57	7769	HONOLULU HARBOR	INLET STATUS	SDIHO010264	184	Followup Work Not Required
12165	Storm Inlet Insp Comprehensive	10/7/2019 06:30	McLean, Robert	CLOSED		10/7/2019 10:55	7769	HONOLULU HARBOR	INLET STATUS	SDIHO010260	182	Followup Work Not Required

Attachment 15c.
5 Year Storm Drain Inlet Cleaning

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12166	Storm Inlet Insp Comprehensive	10/7/2019 06:30	McLean, Robert	CLOSED		10/7/2019 10:53	7769	HONOLULU HARBOR	INLET STATUS	SDIHO010256	180	Followup Work Not Required
12167	Storm Inlet Insp Comprehensive	10/7/2019 06:30	McLean, Robert	CLOSED		10/7/2019 10:54	7769	HONOLULU HARBOR	INLET STATUS	SDIHO010258	181	Followup Work Not Required
12168	Storm Inlet Insp Comprehensive	10/7/2019 06:30	McLean, Robert	CLOSED		10/7/2019 10:56	7769	HONOLULU HARBOR	INLET STATUS	SDIHO010262	183	Followup Work Not Required
12169	Storm Inlet Insp Comprehensive	11/13/2019 07:25	McLean, Robert	CLOSED		11/13/2019 01:30	7770	HONOLULU HARBOR	INLET STATUS	SDIHO010212	270	Followup Work Not Required
12170	Storm Inlet Insp Comprehensive	11/12/2019 08:15	McLean, Robert	CLOSED		11/12/2019 12:20	7770	HONOLULU HARBOR	INLET STATUS	SDIHO010252	275	Followup Work Required
12171	Storm Inlet Insp Comprehensive	11/12/2019 08:10	McLean, Robert	CLOSED		11/12/2019 12:08	7770	HONOLULU HARBOR	INLET STATUS	SDIHO010254	276	Followup Work Not Required
12172	Storm Inlet Insp Comprehensive	08/7/2019 07:55	McLean, Robert	CLOSED		08/7/2019 11:10	7771	HONOLULU HARBOR	INLET STATUS	SDIHO202664	389	Followup Work Not Required
12173	Storm Inlet Insp Comprehensive	08/7/2019 07:50	McLean, Robert	CLOSED		08/7/2019 10:55	7771	HONOLULU HARBOR	INLET STATUS	SDIHO202670	386	Followup Work Not Required
12174	Storm Inlet Insp Comprehensive	08/7/2019 07:30	McLean, Robert	CLOSED		08/7/2019 10:41	7771	HONOLULU HARBOR	INLET STATUS	SDIHO202674	381	Followup Work Not Required
12175	Storm Inlet Insp Comprehensive	08/7/2019 07:45	McLean, Robert	CLOSED		08/7/2019 10:48	7771	HONOLULU HARBOR	INLET STATUS	SDIHO202672	388	Followup Work Not Required
12176	Storm Inlet Insp Comprehensive	08/7/2019 07:55	McLean, Robert	CLOSED		08/7/2019 10:57	7771	HONOLULU HARBOR	INLET STATUS	SDIHO202666	387	Followup Work Not Required
12177	Storm Inlet Insp Comprehensive	08/7/2019 08:00	McLean, Robert	CLOSED		08/7/2019 11:16	7771	HONOLULU HARBOR	INLET STATUS	SDIHO202662	292	Followup Work Not Required
12178	Storm Inlet Insp Comprehensive	08/7/2019 08:05	McLean, Robert	CLOSED		08/7/2019 11:19	7771	HONOLULU HARBOR	INLET STATUS	SDIHO202660	390	Followup Work Not Required
12179	Storm Inlet Insp Comprehensive	08/7/2019 08:10	McLean, Robert	CLOSED		08/7/2019 11:21	7771	HONOLULU HARBOR	INLET STATUS	SDIHO202658	391	Followup Work Not Required
12180	Storm Inlet Insp Comprehensive	08/7/2019 08:25	McLean, Robert	CLOSED		08/7/2019 11:24	7771	HONOLULU HARBOR	INLET STATUS	SDIHO202654	725	Followup Work Not Required
12181	Storm Inlet Insp Comprehensive	08/7/2019 08:20	McLean, Robert	CLOSED		08/7/2019 11:23	7771	HONOLULU HARBOR	INLET STATUS	SDIHO202656	724	Followup Work Not Required
12182	Storm Inlet Insp Comprehensive	08/7/2019 08:30	McLean, Robert	CLOSED		08/7/2019 11:24	7771	HONOLULU HARBOR	INLET STATUS	SDIHO202652	728	Followup Work Not Required
12183	Storm Inlet Insp Comprehensive	08/15/2019 07:15	McLean, Robert	CLOSED		08/15/2019 10:36	7771	HONOLULU HARBOR	INLET STATUS	SDIHO202582	384	Followup Work Not Required
12184	Storm Inlet Insp Comprehensive	08/15/2019 07:16	McLean, Robert	CLOSED		08/15/2019 10:40	7771	HONOLULU HARBOR	INLET STATUS	SDIHO202584	396	Followup Work Not Required
12185	Storm Inlet Insp Comprehensive	08/7/2019 08:36	McLean, Robert	CLOSED		08/7/2019 11:26	7771	HONOLULU HARBOR	INLET STATUS	SDIHO202704	385	Followup Work Not Required
12186	Storm Inlet Insp Comprehensive	08/15/2019 06:57	McLean, Robert	CLOSED		08/15/2019 09:43	7771	HONOLULU HARBOR	INLET STATUS	SDIHO202580	382	Followup Work Not Required

Attachment 15c.
5 Year Storm Drain Inlet Cleaning

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12187	Storm Inlet Insp Comprehensive	08/15/2019 07:19	McLean, Robert	CLOSED		08/15/2019 10:52	7771	HONOLULU HARBOR	INLET STATUS	SDIHO192504	380	Followup Work Not Required
12188	Storm Inlet Insp Comprehensive	08/12/2019 09:30	McLean, Robert	CLOSED		08/12/2019 11:34	7771	HONOLULU HARBOR	INLET STATUS	SDIHO182420	369	Followup Work Not Required
12189	Storm Inlet Insp Comprehensive	08/12/2019 09:00	McLean, Robert	CLOSED	Beagley, Joe	08/12/2019 11:25	7771	HONOLULU HARBOR	INLET STATUS	SDIHO182422	367	Followup Work Required
12190	Storm Inlet Insp Comprehensive	10/7/2019 10:00	McLean, Robert	CLOSED		10/7/2019 11:12	7772	HONOLULU HARBOR	INLET STATUS	SDIHO314390	504	Followup Work Not Required
12191	Storm Inlet Insp Comprehensive	08/8/2019 08:24	McLean, Robert	CLOSED		08/8/2019 08:26	7772	HONOLULU HARBOR	INLET STATUS	SDIHO324182	465	Followup Work Not Required
12192	Storm Inlet Insp Comprehensive	08/8/2019 08:54	McLean, Robert	CLOSED		08/8/2019 08:55	7772	HONOLULU HARBOR	INLET STATUS	SDIHO324262	456	Followup Work Not Required
12193	Storm Inlet Insp Comprehensive	08/8/2019 08:37	McLean, Robert	CLOSED		08/8/2019 08:39	7772	HONOLULU HARBOR	INLET STATUS	SDIHO324234	459	Followup Work Required
12194	Storm Inlet Insp Comprehensive	08/8/2019 10:30	McLean, Robert	CLOSED		08/8/2019 12:38	7772	HONOLULU HARBOR	INLET STATUS	SDIHO314132	448	Followup Work Not Required
12195	Storm Inlet Insp Comprehensive	08/8/2019 10:10	McLean, Robert	CLOSED		08/8/2019 12:37	7772	HONOLULU HARBOR	INLET STATUS	SDIHO314136	447	Followup Work Not Required
12196	Storm Inlet Insp Comprehensive	08/8/2019 09:00	McLean, Robert	CLOSED		08/8/2019 12:35	7772	HONOLULU HARBOR	INLET STATUS	SDIHO314016	449	Followup Work Not Required
12197	Storm Inlet Insp Comprehensive	08/8/2019 10:25	McLean, Robert	CLOSED		08/8/2019 12:38	7772	HONOLULU HARBOR	INLET STATUS	SDIHO314134	444	Followup Work Not Required
12198	Storm Inlet Insp Comprehensive	08/8/2019 09:55		CLOSED		08/8/2019 12:36	7772	HONOLULU HARBOR	INLET STATUS	SDIHO313962	551	Followup Work Not Required
12199	Storm Inlet Insp Comprehensive	08/8/2019 10:40	McLean, Robert	CLOSED		08/8/2019 12:39	7772	HONOLULU HARBOR	INLET STATUS	SDIHO313966	443	Followup Work Not Required
12200	Storm Inlet Insp Comprehensive	08/2/2019 10:00	McLean, Robert	CLOSED		08/8/2019 12:42	7772	HONOLULU HARBOR	INLET STATUS	SDIHO344302	535	Followup Work Not Required
12201	Storm Inlet Insp Comprehensive	08/5/2019 09:40	McLean, Robert	CLOSED		08/5/2019 01:02	7772	HONOLULU HARBOR	INLET STATUS	SDIHO324208	457	Followup Work Not Required
12202	Storm Inlet Insp Comprehensive	08/5/2019 09:39	McLean, Robert	CLOSED		08/5/2019 12:49	7772	HONOLULU HARBOR	INLET STATUS	SDIHO344324	469	Followup Work Not Required
12203	Storm Inlet Insp Comprehensive	08/5/2019 09:34	McLean, Robert	CLOSED		08/5/2019 12:53	7772	HONOLULU HARBOR	INLET STATUS	SDIHO344326	468	Followup Work Not Required
12204	Storm Inlet Insp Comprehensive	08/5/2019 09:43	McLean, Robert	CLOSED		08/5/2019 12:57	7772	HONOLULU HARBOR	INLET STATUS	SDIHO344328	467	Followup Work Not Required
12205	Storm Inlet Insp Comprehensive	08/5/2019 09:29	McLean, Robert	CLOSED		08/5/2019 12:33	7772	HONOLULU HARBOR	INLET STATUS	SDIHO344312	466	Followup Work Not Required
12206	Storm Inlet Insp Comprehensive	08/5/2019 09:18	McLean, Robert	CLOSED		08/5/2019 12:28	7772	HONOLULU HARBOR	INLET STATUS	SDIHO344322	536	Followup Work Not Required
12207	Storm Inlet Insp Comprehensive	08/15/2019 09:00	McLean, Robert	CLOSED		08/15/2019 02:05	7772	HONOLULU HARBOR	INLET STATUS	SDIHO344362	471	Followup Work Not Required

Attachment 15c.
5 Year Storm Drain Inlet Cleaning

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12208	Storm Inlet Insp Comprehensive	01/6/2020 12:00	Gomes, Gregory	CLOSED		01/13/2020 11:16	7773	HONOLULU HARBOR	INLET STATUS	SDIHO405708	545	Followup Work Not Required
12209	Storm Inlet Insp Comprehensive	01/6/2020 12:00	Gomes, Gregory	CLOSED		01/13/2020 11:15	7773	HONOLULU HARBOR	INLET STATUS	SDIHO405722	544	Followup Work Not Required
12210	Storm Inlet Insp Comprehensive	01/6/2020 12:00	Gomes, Gregory	CLOSED		01/13/2020 11:18	7773	HONOLULU HARBOR	INLET STATUS	SDIHO395514	537	Followup Work Not Required
12211	Storm Inlet Insp Comprehensive	01/6/2020 12:00	Gomes, Gregory	CLOSED		01/13/2020 11:18	7773	HONOLULU HARBOR	INLET STATUS	SDIHO395512	538	Followup Work Not Required
12212	Storm Inlet Insp Comprehensive	01/6/2020 12:00	Gomes, Gregory	CLOSED		01/13/2020 11:14	7773	HONOLULU HARBOR	INLET STATUS	SDIHO405712	546	Followup Work Not Required
12213	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/1/2020 03:06	7774	HONOLULU HARBOR	INLET STATUS	SDIHO518474	687	Followup Work Not Required
12214	Storm Inlet Insp Comprehensive	02/13/2020 07:55	McLean, Robert	CLOSED		02/13/2020 11:55	7774	HONOLULU HARBOR	INLET STATUS	SDIHO538910	674	Followup Work Not Required
12215	Storm Inlet Insp Comprehensive	10/1/2019 06:30	McLean, Robert	CLOSED		10/1/2019 11:07	7774	HONOLULU HARBOR	INLET STATUS	SDIHO528710	676	Followup Work Not Required
12216	Storm Inlet Insp Comprehensive	02/13/2020 08:30	McLean, Robert	CLOSED		02/13/2020 12:18	7774	HONOLULU HARBOR	INLET STATUS	SDIHO528734	199	Followup Work Not Required
12217	Storm Inlet Insp Comprehensive	07/19/2019 07:00	McLean, Robert	CLOSED		07/19/2019 09:59	7775	HONOLULU HARBOR	INLET STATUS	SDIHO154366	4366	Followup Work Not Required
12218	Storm Inlet Insp Comprehensive	07/19/2019 07:00	McLean, Robert	CLOSED		07/19/2019 09:59	7775	HONOLULU HARBOR	INLET STATUS	SDIHO154365	4365	Followup Work Not Required
12219	Storm Inlet Insp Comprehensive	07/19/2019 07:00	McLean, Robert	CLOSED		07/19/2019 10:00	7775	HONOLULU HARBOR	INLET STATUS	SDIHO154363	4363	Followup Work Not Required
12220	Storm Inlet Insp Comprehensive	07/19/2019 07:00	McLean, Robert	CLOSED		07/19/2019 10:00	7775	HONOLULU HARBOR	INLET STATUS	SDIHO154364	4364	Followup Work Not Required
12221	Storm Inlet Insp Comprehensive	07/19/2019 07:00	McLean, Robert	CLOSED		07/19/2019 10:00	7775	HONOLULU HARBOR	INLET STATUS	SDIHO154360	4360	Followup Work Not Required
12222	Storm Inlet Insp Comprehensive	07/19/2019 07:00	McLean, Robert	CLOSED		07/19/2019 10:00	7775	HONOLULU HARBOR	INLET STATUS	SDIHO154361	4361	Followup Work Not Required
12223	Storm Inlet Insp Comprehensive	07/17/2019 01:11	McLean, Robert	CLOSED		07/19/2019 09:52	7775	HONOLULU HARBOR	INLET STATUS	SDIHO154357	4357	Followup Work Not Required
12224	Storm Inlet Insp Comprehensive	07/19/2019 07:00	McLean, Robert	CLOSED		07/19/2019 10:00	7775	HONOLULU HARBOR	INLET STATUS	SDIHO154359	4359	Followup Work Not Required
12225	Storm Inlet Insp Comprehensive	07/19/2019 07:00	McLean, Robert	CLOSED		07/19/2019 10:01	7775	HONOLULU HARBOR	INLET STATUS	SDIHO123959	3958	Followup Work Not Required
12226	Storm Inlet Insp Comprehensive	07/19/2019 07:00	McLean, Robert	CLOSED		07/19/2019 10:01	7775	HONOLULU HARBOR	INLET STATUS	SDIHO123957	3957	Followup Work Not Required
12227	Storm Inlet Insp Comprehensive	11/2/2019 06:30	McLean, Robert	CLOSED		11/13/2019 01:40	7776	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055002	264	Followup Work Not Required
12228	Storm Inlet Insp Comprehensive	11/2/2019 06:30	McLean, Robert	CLOSED		11/13/2019 01:39	7777	KALAELOA BARBERS POINT HARBOR	INLET STATUS	SDIBP055002	264	Followup Work Not Required

Attachment 15c.
5 Year Storm Drain Inlet Cleaning

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12229	Storm Inlet Insp Comprehensive	04/1/2020 12:00	Williams, Logan	CLOSED		12/7/2020 08:52	7778	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP077135	152	Followup Work Not Required
12230	Storm Inlet Insp Comprehensive	11/2/2019 09:30	McLean, Robert	CLOSED		11/2/2019 01:52	7778	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002A	11	Followup Work Not Required
12231	Storm Inlet Insp Comprehensive	11/2/2019 10:00	McLean, Robert	CLOSED		11/2/2019 01:53	7778	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002D	12	Followup Work Not Required
12232	Storm Inlet Insp Comprehensive	11/2/2019 10:30	McLean, Robert	CLOSED		11/2/2019 01:56	7778	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002G	6	Followup Work Not Required
12233	Storm Inlet Insp Comprehensive	11/23/2019 09:24	McLean, Robert	CLOSED		12/7/2020 08:50	7778	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002J	15	Followup Work Not Required
12234	Storm Inlet Insp Comprehensive	11/2/2019 09:00	McLean, Robert	CLOSED		11/2/2019 01:51	7778	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP0502A1	144	Followup Work Not Required
12235	Storm Inlet Insp Comprehensive	11/23/2019 09:00	McLean, Robert	CLOSED		11/23/2019 01:46	7778	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP0502C1	145	Followup Work Not Required
12236	Storm Inlet Insp Comprehensive	11/23/2019 08:00	McLean, Robert	CLOSED		11/23/2019 01:45	7778	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP0502B1	149	Followup Work Not Required
12237	Storm Inlet Insp Comprehensive	11/21/2019 07:03	McLean, Robert	CLOSED		11/21/2019 07:38	7778	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002E	13	Followup Work Not Required
12238	Storm Inlet Insp Comprehensive	11/13/2019 10:10	McLean, Robert	CLOSED		11/13/2019 10:11	7778	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002H	7	Followup Work Not Required
12239	Storm Inlet Insp Comprehensive	09/21/2019 12:00	Gomes, Gregory	CLOSED		09/23/2019 10:37	7778	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002I	8	Followup Work Not Required
12240	Storm Inlet Insp Comprehensive	04/1/2020 12:00	Williams, Logan	CLOSED		12/7/2020 08:54	7778	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002L	17	Followup Work Not Required
12241	Storm Inlet Insp Comprehensive	11/13/2019 09:00	McLean, Robert	CLOSED		11/13/2019 10:12	7778	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002K	16	Followup Work Not Required
12242	Storm Inlet Insp Comprehensive	09/14/2019 06:30	Gomes, Gregory	CLOSED	Shimizu, Paul	09/14/2019 02:00	7778	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002C	10	Followup Work Not Required
12243	Storm Inlet Insp Comprehensive	09/14/2019 10:00	Gomes, Gregory	CLOSED	Shimizu, Paul	09/14/2019 02:00	7778	KALAELOA BARBERS POINT HARBOR	OPEN LINE STATUS	SDOBP05002F	14	
12244	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/2/2020 07:10	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518285	127	Followup Work Not Required
12245	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/2/2020 07:09	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518291	125	Followup Work Not Required
12246	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/2/2020 07:14	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518269	126	Followup Work Not Required
12247	Storm Inlet Insp Comprehensive	08/25/2020 12:00	Shimizu, Paul	CLOSED		12/7/2020 08:36	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518265	71	Followup Work Not Required
12248	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/2/2020 07:13	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518271	186	Followup Work Not Required
12249	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/2/2020 07:16	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518277	136	Followup Work Not Required

Attachment 15c.
5 Year Storm Drain Inlet Cleaning

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12250	Storm Inlet Insp Comprehensive	11/30/2020 08:15	Everett Oliveira	CLOSED		11/30/2020 11:24	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518235	129	Followup Work Not Required
12251	Storm Inlet Insp Comprehensive	11/30/2020 08:00	Everett Oliveira	CLOSED		11/30/2020 11:23	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518241	130	Followup Work Not Required
12252	Storm Inlet Insp Comprehensive	11/30/2020 07:45	Everett Oliveira	CLOSED		11/30/2020 11:25	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518231	128	Followup Work Not Required
12253	Storm Inlet Insp Comprehensive	03/3/2020 07:38	McLean, Robert	CLOSED		03/4/2020 05:49	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518209	198	Followup Work Not Required
12254	Storm Inlet Insp Comprehensive	03/3/2020 08:15	McLean, Robert	CLOSED		03/4/2020 05:48	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518205	173	Followup Work Not Required
12255	Storm Inlet Insp Comprehensive	03/12/2020 12:00	McLean, Robert	CLOSED		03/4/2020 05:44	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518201	197	Followup Work Not Required
12256	Storm Inlet Insp Comprehensive	03/10/2020 08:00		CLOSED		03/10/2020 12:12	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518197	196	
12257	Storm Inlet Insp Comprehensive	03/10/2020 07:30		CLOSED		03/10/2020 12:09	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518193	195	
12258	Storm Inlet Insp Comprehensive	03/10/2020 06:55	McLean, Robert	CLOSED		03/10/2020 12:07	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518189	194	Followup Work Not Required
12259	Storm Inlet Insp Comprehensive	03/10/2020 06:45	McLean, Robert	CLOSED		03/10/2020 12:05	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518185	193	Followup Work Not Required
12260	Storm Inlet Insp Comprehensive	03/10/2020 06:35	McLean, Robert	CLOSED		03/10/2020 12:00	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518181	192	Followup Work Not Required
12261	Storm Inlet Insp Comprehensive	08/14/2019 06:32	McLean, Robert	CLOSED	Bautista, Frederick PS	08/21/2019 02:00	7779	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO518031	131	
12262	Storm Inlet Insp Comprehensive	10/1/2019 07:23	McLean, Robert	CLOSED		11/19/2019 01:48	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528753	223	Followup Work Not Required
12263	Storm Inlet Insp Comprehensive	05/29/2020 06:30	McLean, Robert	CLOSED		05/29/2020 11:35	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528641	123	Followup Work Not Required
12264	Storm Inlet Insp Comprehensive	02/13/2020 08:10	McLean, Robert	CLOSED		02/13/2020 12:09	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528755	219	Followup Work Not Required
12265	Storm Inlet Insp Comprehensive	02/13/2020 08:20	McLean, Robert	CLOSED		02/13/2020 12:14	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528757	216	Followup Work Not Required
12266	Storm Inlet Insp Comprehensive	02/13/2020 08:25	McLean, Robert	CLOSED		02/13/2020 12:16	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528759	220	Followup Work Not Required
12267	Storm Inlet Insp Comprehensive	12/9/2020 08:30	Everett Oliveira	CLOSED		12/9/2020 09:17	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528637	132	Followup Work Not Required
12268	Storm Inlet Insp Comprehensive	12/9/2020 09:00	Everett Oliveira	CLOSED		12/9/2020 09:19	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528631	133	Followup Work Not Required
12269	Storm Inlet Insp Comprehensive	08/25/2020 12:00	Shimizu, Paul	CLOSED		12/7/2020 08:39	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528601	134	Followup Work Not Required
12270	Storm Inlet Insp Comprehensive	08/25/2020 12:00	Shimizu, Paul	CLOSED		12/7/2020 08:40	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528607	135	Followup Work Not Required

Attachment 15c.
5 Year Storm Drain Inlet Cleaning

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12271	Storm Inlet Insp Comprehensive	12/2/2020 09:00	Everett Oliveira	CLOSED		12/2/2020 11:23	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528611	122	Followup Work Not Required
12272	Storm Inlet Insp Comprehensive	02/13/2020 08:36	McLean, Robert	CLOSED		02/13/2020 12:20	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528761	217	Followup Work Not Required
12273	Storm Inlet Insp Comprehensive	02/13/2020 08:40	McLean, Robert	CLOSED		02/13/2020 12:22	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528763	221	Followup Work Not Required
12274	Storm Inlet Insp Comprehensive	02/13/2020 09:00	McLean, Robert	CLOSED		02/13/2020 12:28	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528765	214	Followup Work Not Required
12275	Storm Inlet Insp Comprehensive	10/15/2019 06:45		CLOSED		10/15/2019 08:09	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528877	185	Followup Work Not Required
12276	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/1/2020 03:14	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528517	184	Followup Work Not Required
12277	Storm Inlet Insp Comprehensive	11/30/2020 09:45	Everett Oliveira	CLOSED		11/30/2020 11:30	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528577	177	Followup Work Not Required
12278	Storm Inlet Insp Comprehensive	11/30/2020 08:30	Everett Oliveira	CLOSED		11/30/2020 11:29	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528571	176	Followup Work Not Required
12279	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/2/2020 02:33	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528555	201	Followup Work Not Required
12280	Storm Inlet Insp Comprehensive	12/1/2020 07:00	Everett Oliveira	CLOSED		12/1/2020 11:12	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528541	200	Followup Work Not Required
12281	Storm Inlet Insp Comprehensive	03/3/2020 06:39	McLean, Robert	CLOSED		03/4/2020 05:50	7780	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO528213	199	Followup Work Not Required
12282	Storm Inlet Insp Comprehensive	12/3/2020 09:45	Everett Oliveira	CLOSED		12/3/2020 09:54	7781	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO609165	72	Followup Work Not Required
12283	Storm Inlet Insp Comprehensive	11/30/2020 07:45	Everett Oliveira	CLOSED		11/30/2020 11:20	7782	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538647	170	Followup Work Not Required
12284	Storm Inlet Insp Comprehensive	12/2/2020 08:30	Everett Oliveira	CLOSED		12/2/2020 10:35	7782	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538613	169	Followup Work Not Required
12285	Storm Inlet Insp Comprehensive	11/30/2020 07:15	Everett Oliveira	CLOSED		11/30/2020 11:17	7782	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538649	138	Followup Work Not Required
12286	Storm Inlet Insp Comprehensive	11/18/2020 11:00	Shimizu, Paul	CLOSED		12/2/2020 07:06	7782	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538643	171	Followup Work Not Required
12287	Storm Inlet Insp Comprehensive	11/30/2020 06:45	Everett Oliveira	CLOSED		11/30/2020 10:23	7782	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538585	141	Followup Work Not Required
12288	Storm Inlet Insp Comprehensive	11/30/2020 07:00	Everett Oliveira	CLOSED		11/30/2020 11:08	7782	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538583	179	Followup Work Not Required
12289	Storm Inlet Insp Comprehensive	11/23/2020 10:50	Everett Oliveira	CLOSED	Everett Oliveira	11/23/2020 11:03	7782	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538579	174	Followup Work Not Required
12290	Storm Inlet Insp Comprehensive	12/30/2019 06:30	Everett Oliveira	CLOSED		11/30/2020 10:10	7782	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO538651	172	Followup Work Not Required
12291	Storm Inlet Insp Comprehensive	08/7/2019 09:00	McLean, Robert	CLOSED		08/7/2019 11:27	7783	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO202701	205	Followup Work Not Required

Attachment 15c.
5 Year Storm Drain Inlet Cleaning

Inspection Id	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Finish Date	Work Order Id	District	Entity Type	Entity Uid	Entity Sid	Resolution
12292	Storm Inlet Insp Comprehensive	08/8/2019 09:07	McLean, Robert	CLOSED		08/8/2019 12:33	7783	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO314109	158	Followup Work Not Required
12293	Storm Inlet Insp Comprehensive	08/15/2019 08:09	McLean, Robert	CLOSED		08/15/2019 02:12	7783	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO350003	226	Followup Work Not Required
12294	Storm Inlet Insp Comprehensive	01/19/2020 06:34	McLean, Robert	CLOSED		01/21/2020 05:24	7783	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO405403	165	Followup Work Not Required
12295	Storm Inlet Insp Comprehensive	01/26/2020 06:30	McLean, Robert	CLOSED		02/16/2020 09:21	7783	HONOLULU HARBOR	OPEN LINE STATUS	SDOHO405401	166	Followup Work Not Required

Attachment 16

P2 Sign Inspections

Attachment 16.
P2 Sign Inspection

Sign ID	District	InspectionId	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Finish Date	Resolution
IMSHO609115	HONOLULU HARBOR	14346	Storm Sign Inspection	10/8/2020 02:24	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 02:29	Followup Work Not Required
IMSHO609111	HONOLULU HARBOR	14347	Storm Sign Inspection	10/8/2020 02:32	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 02:33	Followup Work Not Required
IMSBP077142	KALAELOA BARBERS POINT HARBOR	14348	Storm Sign Inspection	10/9/2020 12:19	Martello, Mitchell	CLOSED	Zhang, Joy	10/9/2020 12:20	Followup Work Not Required
IMSHO020501	HONOLULU HARBOR	14349	Storm Sign Inspection	10/6/2020 10:56	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 10:57	Followup Work Not Required
IMSBP077140	KALAELOA BARBERS POINT HARBOR	14350	Storm Sign Inspection	10/9/2020 12:18	Martello, Mitchell	CLOSED	Zhang, Joy	10/9/2020 12:19	Followup Work Not Required
IMSHO609121	HONOLULU HARBOR	14351	Storm Sign Inspection	10/8/2020 02:09	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 02:12	Followup Work Not Required
IMSHO609125	HONOLULU HARBOR	14352	Storm Sign Inspection	10/8/2020 01:51	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 01:52	Followup Work Not Required
IMSHO385153	HONOLULU HARBOR	14353	Storm Sign Inspection	10/8/2020 12:56	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 12:57	Followup Work Not Required
IMSHO609127	HONOLULU HARBOR	14354	Storm Sign Inspection	10/8/2020 01:46	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 01:47	Followup Work Not Required
IMSHO324151	HONOLULU HARBOR	14355	Storm Sign Inspection	10/16/2020 03:15	Martello, Mitchell	CLOSED	Zhang, Joy	10/16/2020 03:18	Followup Work Not Required
IMSBP077144	KALAELOA BARBERS POINT HARBOR	14356	Storm Sign Inspection	10/9/2020 12:21	Martello, Mitchell	CLOSED	Zhang, Joy	10/9/2020 12:21	Followup Work Not Required
IMSHO609113	HONOLULU HARBOR	14357	Storm Sign Inspection	10/8/2020 02:30	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 02:31	Followup Work Not Required
IMSHO609109	HONOLULU HARBOR	14358	Storm Sign Inspection	10/8/2020 02:35	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 02:36	Followup Work Not Required
IMSHO609117	HONOLULU HARBOR	14359	Storm Sign Inspection	10/8/2020 02:17	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 02:21	Followup Work Not Required
IMSHO609129	HONOLULU HARBOR	14360	Storm Sign Inspection	10/8/2020 01:43	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 01:44	Followup Work Not Required
IMSHO609119	HONOLULU HARBOR	14361	Storm Sign Inspection	10/8/2020 02:14	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 02:17	Followup Work Not Required
IMSHO609123	HONOLULU HARBOR	14362	Storm Sign Inspection	10/8/2020 02:05	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 02:07	Followup Work Not Required
IMSHO609107	HONOLULU HARBOR	14363	Storm Sign Inspection	10/8/2020 02:37	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 02:40	Followup Work Not Required
IMSHO609181	HONOLULU HARBOR	14364	Storm Sign Inspection	10/8/2020 01:59	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 02:02	Followup Work Required
IMSHO609183	HONOLULU HARBOR	14365	Storm Sign Inspection	10/8/2020 02:03	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 02:03	Followup Work Not Required
IMSHO609131	HONOLULU HARBOR	14366	Storm Sign Inspection	10/8/2020 01:39	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 01:42	Followup Work Not Required
IMSHO020805	HONOLULU HARBOR	14367	Storm Sign Inspection	10/6/2020 12:07	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 12:08	Followup Work Not Required
IMSHO384606	HONOLULU HARBOR	14368	Storm Sign Inspection	10/8/2020 12:52	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 12:53	Followup Work Not Required
IMSHO314060	HONOLULU HARBOR	14369	Storm Sign Inspection	10/16/2020 03:17	Martello, Mitchell	CLOSED	Zhang, Joy	10/16/2020 03:18	Followup Work Not Required
IMSHO162208	HONOLULU HARBOR	14370	Storm Sign Inspection	10/6/2020 01:36	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 01:36	Followup Work Not Required
IMSHO334202	HONOLULU HARBOR	14371	Storm Sign Inspection	10/16/2020 03:12	Martello, Mitchell	CLOSED	Zhang, Joy	10/16/2020 03:13	Followup Work Not Required
IMSHO102030	HONOLULU HARBOR	14372	Storm Sign Inspection	10/6/2020 12:36	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 12:37	Followup Work Not Required
IMSHO243202	HONOLULU HARBOR	14373	Storm Sign Inspection	10/6/2020 02:15	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 02:16	Followup Work Required
IMSHO051060	HONOLULU HARBOR	14374	Storm Sign Inspection	10/6/2020 12:23	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 12:24	Followup Work Not Required
IMSHO293222	HONOLULU HARBOR	14375	Storm Sign Inspection	10/6/2020 02:13	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 02:14	Followup Work Not Required
IMSHO182432	HONOLULU HARBOR	14376	Storm Sign Inspection	10/6/2020 02:46	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 02:48	Followup Work Not Required
IMSHO364680	HONOLULU HARBOR	14377	Storm Sign Inspection	10/8/2020 12:48	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 12:49	Followup Work Not Required
IMSHO081516	HONOLULU HARBOR	14378	Storm Sign Inspection	10/6/2020 12:29	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 12:30	Followup Work Not Required
IMSHO192562	HONOLULU HARBOR	14379	Storm Sign Inspection	10/6/2020 02:38	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 02:38	Followup Work Not Required
IMSHO384806	HONOLULU HARBOR	14380	Storm Sign Inspection	10/8/2020 12:42	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 12:43	Followup Work Not Required
IMSHO232440	HONOLULU HARBOR	14381	Storm Sign Inspection	10/6/2020 02:43	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 02:44	Followup Work Not Required
IMSHO385140	HONOLULU HARBOR	14382	Storm Sign Inspection	10/8/2020 12:59	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 01:00	Followup Work Not Required
IMSHO385014	HONOLULU HARBOR	14383	Storm Sign Inspection	10/8/2020 12:35	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 12:36	Followup Work Not Required
IMSHO384608	HONOLULU HARBOR	14384	Storm Sign Inspection	10/8/2020 12:54	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 12:55	Followup Work Not Required
IMSHO172210	HONOLULU HARBOR	14385	Storm Sign Inspection	10/6/2020 01:38	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 01:39	Followup Work Not Required
IMSHO182306	HONOLULU HARBOR	14386	Storm Sign Inspection	10/6/2020 01:44	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 01:45	Followup Work Not Required
IMSHO182308	HONOLULU HARBOR	14387	Storm Sign Inspection	10/6/2020 01:46	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 01:47	Followup Work Not Required
IMSHO608905	HONOLULU HARBOR	14388	Storm Sign Inspection	10/16/2020 02:26	Martello, Mitchell	CLOSED	Zhang, Joy	10/16/2020 02:27	Followup Work Not Required
IMSHO609008	HONOLULU HARBOR	14389	Storm Sign Inspection	10/8/2020 02:42	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 02:46	Followup Work Not Required
IMSHO608900	HONOLULU HARBOR	14390	Storm Sign Inspection	10/8/2020 02:48	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 02:48	Followup Work Not Required
IMSHO324387	HONOLULU HARBOR	14391	Storm Sign Inspection	10/16/2020 08:41	Martello, Mitchell	CLOSED	Zhang, Joy	10/16/2020 08:42	Followup Work Not Required
IMSHO182304	HONOLULU HARBOR	14392	Storm Sign Inspection	10/6/2020 01:42	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 01:43	Followup Work Not Required
IMSHO385012	HONOLULU HARBOR	14393	Storm Sign Inspection	10/8/2020 12:33	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 12:35	Followup Work Not Required
IMSHO608908	HONOLULU HARBOR	14394	Storm Sign Inspection	10/8/2020 02:50	Martello, Mitchell	CLOSED	Zhang, Joy	10/8/2020 02:51	Followup Work Not Required
IMSHO010215	HONOLULU HARBOR	14395	Storm Sign Inspection	10/6/2020 10:17	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 10:20	Followup Work Not Required
IMSHO010214	HONOLULU HARBOR	14396	Storm Sign Inspection	10/6/2020 10:21	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 10:23	Followup Work Not Required

Attachment 16.
P2 Sign Inspection

Sign ID	District	InspectionId	Inspection Type	Date Inspected	Inspected By	Status	Submit To	Finish Date	Resolution
IMSHO010221	HONOLULU HARBOR	14397	Storm Sign Inspection	10/6/2020 10:24	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 10:25	Followup Work Not Required
IMSHO020257	HONOLULU HARBOR	14399	Storm Sign Inspection	10/6/2020 11:02	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 11:03	Followup Work Not Required
IMSHO020259	HONOLULU HARBOR	14400	Storm Sign Inspection	10/6/2020 10:30	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 10:31	Followup Work Not Required
IMSHO010253	HONOLULU HARBOR	14401	Storm Sign Inspection	10/6/2020 10:27	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 10:28	Followup Work Not Required
IMSHO020520	HONOLULU HARBOR	14402	Storm Sign Inspection	10/6/2020 10:53	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 10:54	Followup Work Not Required
IMSHO020290	HONOLULU HARBOR	14403	Storm Sign Inspection	10/6/2020 12:13	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 12:15	Followup Work Not Required
IMSHO010223	HONOLULU HARBOR	14404	Storm Sign Inspection	10/6/2020 10:38	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 10:40	Followup Work Required
IMSHO020650	HONOLULU HARBOR	14405	Storm Sign Inspection	10/6/2020 12:01	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 12:02	Followup Work Not Required
IMSHO020810	HONOLULU HARBOR	14407	Storm Sign Inspection	10/6/2020 12:05	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 12:06	Followup Work Not Required
IMSHO101744	HONOLULU HARBOR	14408	Storm Sign Inspection	10/6/2020 12:39	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 12:40	Followup Work Not Required
IMSHO111836	HONOLULU HARBOR	14409	Storm Sign Inspection	10/6/2020 12:49	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 12:51	Followup Work Not Required
IMSHO232656	HONOLULU HARBOR	14410	Storm Sign Inspection	10/6/2020 02:30	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 02:31	Followup Work Not Required
IMSHO232652	HONOLULU HARBOR	14411	Storm Sign Inspection	10/6/2020 02:29	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 02:29	Followup Work Not Required
IMSHO232648	HONOLULU HARBOR	14412	Storm Sign Inspection	10/6/2020 02:26	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 02:28	Followup Work Not Required
IMSHO202612	HONOLULU HARBOR	14413	Storm Sign Inspection	10/6/2020 02:34	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 02:35	Followup Work Not Required
IMSHO232806	HONOLULU HARBOR	14414	Storm Sign Inspection	10/6/2020 02:24	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 02:25	Followup Work Not Required
IMSHO232850	HONOLULU HARBOR	14415	Storm Sign Inspection	10/6/2020 02:20	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 02:21	Followup Work Not Required
IMSHO293641	HONOLULU HARBOR	14416	Storm Sign Inspection	10/6/2020 02:00	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 02:01	Followup Work Not Required
IMSHO263511	HONOLULU HARBOR	14417	Storm Sign Inspection	10/6/2020 02:06	Martello, Mitchell	CLOSED	Zhang, Joy	10/9/2020 08:54	Followup Work Not Required
IMSHO263509	HONOLULU HARBOR	14418	Storm Sign Inspection		Martello, Mitchell	CLOSED	Zhang, Joy	10/9/2020 08:54	Followup Work Not Required
IMSHO518901	HONOLULU HARBOR	14419	Storm Sign Inspection	10/9/2020 02:46	Martello, Mitchell	CLOSED	Zhang, Joy	10/9/2020 02:47	Followup Work Not Required
IMSHO324389	HONOLULU HARBOR	14420	Storm Sign Inspection	10/16/2020 08:39	Martello, Mitchell	CLOSED	Zhang, Joy	10/16/2020 08:40	Followup Work Not Required
IMSHO354415	HONOLULU HARBOR	14421	Storm Sign Inspection	10/16/2020 03:11	Martello, Mitchell	CLOSED	Zhang, Joy	10/16/2020 03:12	Followup Work Not Required
IMSHO314135	HONOLULU HARBOR	14422	Storm Sign Inspection	10/6/2020 01:53	Martello, Mitchell	CLOSED	Zhang, Joy	10/6/2020 01:54	Followup Work Not Required
IMSHO427200	HONOLULU HARBOR	14423	Storm Sign Inspection	10/16/2020 08:25	Martello, Mitchell	CLOSED	Zhang, Joy	10/16/2020 10:39	Followup Work Not Required
IMSHO405701	HONOLULU HARBOR	14424	Storm Sign Inspection	10/16/2020 12:54	Martello, Mitchell	CLOSED	Zhang, Joy	10/16/2020 12:56	Followup Work Not Required
IMSHO405781	HONOLULU HARBOR	14425	Storm Sign Inspection	10/16/2020 12:51	Martello, Mitchell	CLOSED	Zhang, Joy	10/16/2020 12:52	Followup Work Not Required
IMSHO426981	HONOLULU HARBOR	14426	Storm Sign Inspection	10/16/2020 12:00	Martello, Mitchell	CLOSED	Zhang, Joy	10/16/2020 10:37	Followup Work Not Required
IMSBP043660	KALAELOA BARBERS POINT HARBOR	14427	Storm Sign Inspection	10/9/2020 12:33	Martello, Mitchell	CLOSED	Zhang, Joy	10/9/2020 12:35	Followup Work Not Required
IMSBP055250	KALAELOA BARBERS POINT HARBOR	14428	Storm Sign Inspection		Martello, Mitchell	CLOSED	Zhang, Joy	10/9/2020 12:09	
IMSBP077102	KALAELOA BARBERS POINT HARBOR	14429	Storm Sign Inspection	10/9/2020 12:13	Martello, Mitchell	CLOSED	Zhang, Joy	10/9/2020 12:13	Followup Work Not Required
IMSBP097605	KALAELOA BARBERS POINT HARBOR	14431	Storm Sign Inspection	10/9/2020 11:51	Martello, Mitchell	CLOSED	Zhang, Joy	10/9/2020 11:53	Followup Work Not Required

Attachment 17

Street Sweeper Log

Attachment 17.
Sweeper Data Logs

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Waste Type 1	Waste Amount 1 (Tons)	Number of Used Batteries	Number of Electronics / Computers
8366	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/8/2020 01:41	01/8/2020 01:41				
8390	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/22/2020 06:20	01/22/2020 06:20				
8407	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/24/2020 06:43	01/24/2020 06:43				
8565	Sweep - Weekly	3	CANCEL	McLean, Robert	02/11/2020 05:44	02/11/2020 05:44				
8685	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/27/2020 05:22	02/27/2020 05:22				
8686	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/27/2020 05:26	02/27/2020 05:26				
8688	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/27/2020 05:34	02/27/2020 05:34				
8689	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/27/2020 05:38	02/27/2020 05:38				
8715	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/10/2020 12:17	03/10/2020 12:17				
8731	Bulk Waste Disposal	3	CLOSED	McLean, Robert	03/16/2020 05:28	03/16/2020 05:28				
8738	Bulk Waste Disposal	3	CLOSED	McLean, Robert	03/17/2020 02:00	03/17/2020 02:00				
8742	Bulk Waste Disposal	3	CLOSED	McLean, Robert	03/19/2020 02:05	03/19/2020 02:05				1
8754	Bulk Waste Disposal	3	CLOSED	McLean, Robert	03/23/2020 01:51	03/23/2020 01:51				
8755	Bulk Waste Disposal	3	CLOSED	McLean, Robert	03/23/2020 01:53	03/23/2020 01:53				
8797	Bulk Waste Disposal	3	CLOSED	McLean, Robert	04/14/2020 01:51	04/14/2020 01:51				
8809	Bulk Waste Disposal	3	CLOSED	McLean, Robert	04/22/2020 05:41	04/22/2020 05:41				
8818	Bulk Waste Disposal	3	CLOSED	McLean, Robert	04/28/2020 07:17	04/28/2020 07:17				
8826	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/1/2020 05:32	05/1/2020 05:32				
8848	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/11/2020 01:48	05/11/2020 01:48				1
8857	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/15/2020 01:54	05/15/2020 01:54				
8899	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/4/2020 05:58	06/4/2020 05:58			1	
8900	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/4/2020 06:06	06/4/2020 06:06				
8914	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/8/2020 01:42	06/8/2020 01:42				1
8937	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/12/2020 01:51	06/12/2020 01:51				
8938	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/12/2020 02:04	06/12/2020 02:04				
8948	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/16/2020 11:02	06/16/2020 11:02				
8953	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/18/2020 01:56	06/18/2020 01:56				
8961	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/24/2020 07:04	06/24/2020 07:04				
8982	Bulk Waste Disposal	3	CLOSED	McLean, Robert	07/4/2020 08:35	07/4/2020 08:35				
9025	Bulk Waste Disposal	3	CLOSED	McLean, Robert	07/14/2020 01:55	07/14/2020 01:55				

Attachment 17.
Sweeper Data Logs

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Waste Type 1	Waste Amount 1 (Tons)	Number of Used Batteries	Number of Electronics / Computers
9027	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/15/2020 01:51	07/15/2020 01:51				
9039	Bulk Waste Disposal	3	CLOSED	McLean, Robert	07/22/2020 05:21	07/22/2020 05:21				
9050	Bulk Waste Disposal	3	CLOSED	McLean, Robert	07/28/2020 05:17	07/28/2020 05:17				
9057	Bulk Waste Disposal	3	CLOSED	McLean, Robert	08/3/2020 05:35	08/3/2020 05:35				
9063	Bulk Waste Disposal	3	CLOSED	McLean, Robert	08/5/2020 05:48	08/5/2020 05:48				
9072	Bulk Waste Disposal	3	CLOSED	McLean, Robert	08/11/2020 05:23	08/11/2020 05:23				
9079	Bulk Waste Disposal	3	CLOSED	McLean, Robert	08/12/2020 02:06	08/12/2020 02:06				
9083	Bulk Waste Disposal	3	CLOSED	McLean, Robert	08/14/2020 11:12	08/14/2020 11:12				
9164	Bulk Waste Disposal	3	CLOSED	McLean, Robert	08/25/2020 01:53	08/25/2020 01:53				
9220	Bulk Waste Disposal	3	CLOSED	McLean, Robert	09/1/2020 05:46	09/1/2020 05:46				
9254	Bulk Waste Disposal	3	CLOSED	McLean, Robert	09/15/2020 05:40	09/15/2020 05:40				
9261	Bulk Waste Disposal	3	CLOSED	McLean, Robert	09/15/2020 01:51	09/15/2020 01:51				
9270	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/18/2020 01:37	09/18/2020 01:37				
9272	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/21/2020 01:44	09/21/2020 01:44				
9274	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/22/2020 01:40	09/22/2020 01:40				
9276	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/22/2020 01:43	09/22/2020 01:43				
9334	Bulk Waste Disposal	3	CLOSED	McLean, Robert	10/13/2020 05:41	10/13/2020 05:41				
9356	Bulk Waste Disposal	3	CLOSED	McLean, Robert	10/22/2020 05:39	10/22/2020 05:39				
9380	Bulk Waste Disposal	3	CLOSED	McLean, Robert	10/29/2020 02:06	10/29/2020 02:06				
9394	Bulk Waste Disposal	3	CLOSED	McLean, Robert	11/9/2020 01:46	11/9/2020 01:46				
9438	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/11/2020 02:02	12/11/2020 02:02				
9455	Bulk Waste Disposal	3	CLOSED	McLean, Robert	12/22/2020 01:51	12/22/2020 01:51				
8459	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/30/2020 05:41	01/30/2020 05:41	Green Waste	29.3		
8665	Bulk Waste Disposal	3	CANCEL	McLean, Robert	02/20/2020 08:18	02/20/2020 08:18	Green Waste	4.29		
8736	Bulk Waste Disposal	3	CLOSED	McLean, Robert	03/17/2020 01:53	03/17/2020 01:53	Green Waste	0.24		
9207	Bulk Waste Disposal	3	CLOSED	McLean, Robert	08/31/2020 05:11	08/31/2020 05:11	Green Waste	1.36		
9240	Bulk Waste Disposal	3	CLOSED	McLean, Robert	09/10/2020 11:51	09/10/2020 11:51	Green Waste	2.99		
9368	Bulk Waste Disposal	3	CLOSED	McLean, Robert	10/27/2020 01:18	10/27/2020 01:18	Green Waste	1.14		
9443	Bulk Waste Disposal	3	CLOSED	McLean, Robert	12/15/2020 01:06	12/15/2020 01:06	Green Waste	0.71		
8983	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/4/2020 08:37	07/4/2020 08:37	Human Waste	3.02		

Attachment 17.
Sweeper Data Logs

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Waste Type 1	Waste Amount 1 (Tons)	Number of Used Batteries	Number of Electronics / Computers
9048	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/28/2020 05:11	07/28/2020 05:11	Human Waste	1.72		
9087	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/18/2020 05:22	08/18/2020 05:22	Human Waste	3.54		
8322	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/2/2020 01:30	01/2/2020 01:30	Refuse	1.1		
8351	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/3/2020 10:14	01/3/2020 10:14	Refuse	3.66		
8354	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/3/2020 01:56	01/3/2020 01:56	Refuse	2.5		
8363	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/6/2020 06:30	01/6/2020 02:06	Refuse	6.33		
8364	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/8/2020 12:09	01/8/2020 12:09	Refuse	3.53		
8365	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/8/2020 01:34	01/8/2020 01:34	Refuse	2.52		
8367	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/9/2020 11:47	01/9/2020 11:47	Refuse	1.37		
8368	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/9/2020 01:42	01/9/2020 01:42	Refuse	2.13		
8369	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/10/2020 02:05	01/10/2020 02:05	Refuse	2.96		
8377	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/15/2020 05:23	01/15/2020 05:23	Refuse	7.33		
8378	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/15/2020 05:25	01/15/2020 05:25	Refuse	4.51		
8380	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/15/2020 12:48	01/15/2020 12:48	Refuse	1.23		
8384	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/16/2020 02:05	01/16/2020 02:05	Refuse	1.4		
8386	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/17/2020 01:49	01/17/2020 01:49	Refuse	3.33		
8387	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/19/2020 09:34	01/19/2020 09:34	Refuse	2.5		
8389	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/22/2020 06:15	01/22/2020 06:15	Refuse	3.78		
8393	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/22/2020 01:57	01/22/2020 01:57	Refuse	2.67		
8403	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/24/2020 05:59	01/24/2020 05:59	Refuse	2.7		
8405	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/24/2020 06:29	01/24/2020 06:29	Refuse			
8408	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/24/2020 01:50	01/24/2020 01:50	Refuse	3.11		
8421	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/27/2020 01:48	01/27/2020 01:48	Refuse	5.48		
8438	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/28/2020 01:53	01/28/2020 01:53	Refuse	4.73		
8493	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	01/31/2020 06:49	01/31/2020 06:49	Refuse	5.81		
8494	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/1/2020 05:20	02/1/2020 05:20	Refuse	4.47		
8504	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/4/2020 05:43	02/4/2020 05:43	Refuse	6.71		
8508	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/5/2020 05:24	02/5/2020 05:24	Refuse	3.87		
8515	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/6/2020 05:28	02/6/2020 05:28	Refuse	2.99		
8545	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/6/2020 01:58	02/6/2020 01:58	Refuse	2.58		

Attachment 17.
Sweeper Data Logs

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Waste Type 1	Waste Amount 1 (Tons)	Number of Used Batteries	Number of Electronics / Computers
8551	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/7/2020 02:12	02/7/2020 02:12	Refuse	3.17		
8564	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/11/2020 05:40	02/11/2020 05:40	Refuse	5.85		
8598	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/14/2020 01:39	02/14/2020 01:39	Refuse	8.91		
8599	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/14/2020 01:42	02/14/2020 01:42	Refuse	2.5		
8642	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/16/2020 05:16	02/16/2020 05:16	Refuse			
8645	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/18/2020 05:27	02/18/2020 05:27	Refuse	3.71		
8662	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/20/2020 07:12	02/20/2020 07:12	Refuse	2.35		
8663	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/20/2020 07:18	02/20/2020 07:18	Refuse	4.14		
8664	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/20/2020 07:22	02/20/2020 07:22	Refuse	1.27		
8668	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/20/2020 01:56	02/20/2020 01:56	Refuse	1.96		
8681	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/25/2020 05:49	02/25/2020 05:49	Refuse	6.52		
8682	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/25/2020 01:57	02/25/2020 01:57	Refuse	5.24		
8684	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/27/2020 05:19	02/27/2020 05:19	Refuse	1.39		
8687	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/27/2020 05:30	02/27/2020 05:30	Refuse			
8695	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/27/2020 01:50	02/27/2020 01:50	Refuse	2.08		
8698	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/28/2020 01:58	02/28/2020 01:58	Refuse	3.21		
8699	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/2/2020 10:28	03/2/2020 10:28	Refuse	5.27		
8700	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/4/2020 11:11	03/4/2020 11:11	Refuse	2.19		
8704	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/4/2020 12:38	03/4/2020 12:38	Refuse	4.18		
8710	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/7/2020 06:22	03/7/2020 06:22	Refuse	2.7		
8711	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/7/2020 06:26	03/7/2020 06:26	Refuse	2.26		
8716	Bulk Waste Disposal	3	CLOSED	McLean, Robert	03/10/2020 12:44	03/10/2020 12:44	Refuse			
8717	Bulk Waste Disposal	3	CLOSED	McLean, Robert	03/10/2020 12:52	03/10/2020 12:52	Refuse			
8718	Bulk Waste Disposal	3	CLOSED	McLean, Robert	03/10/2020 01:16	03/10/2020 01:16	Refuse			
8719	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/11/2020 05:46	03/11/2020 05:46	Refuse	2.94		
8722	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/11/2020 01:56	03/11/2020 01:56	Refuse	2.34		
8726	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/12/2020 01:37	03/12/2020 01:37	Refuse	1.52		
8730	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/16/2020 05:24	03/16/2020 05:24	Refuse	2.8		
8733	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/17/2020 05:08	03/17/2020 05:08	Refuse	6.17		
8737	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/17/2020 01:57	03/17/2020 01:57	Refuse	1.9		

Attachment 17.
Sweeper Data Logs

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Waste Type 1	Waste Amount 1 (Tons)	Number of Used Batteries	Number of Electronics / Computers
8740	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/18/2020 12:37	03/18/2020 12:37	Refuse	3.24		
8741	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/19/2020 02:02	03/19/2020 02:02	Refuse	2.59		
8751	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/23/2020 05:37	03/23/2020 05:37	Refuse	1.24		
8753	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/23/2020 01:46	03/23/2020 01:46	Refuse	6.87		
8756	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/24/2020 01:41	03/24/2020 01:41	Refuse	3.17		
8758	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/25/2020 01:39	03/25/2020 01:39	Refuse	2.12		
8762	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/27/2020 01:52	03/27/2020 01:52	Refuse	6.36		
8765	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/31/2020 05:20	03/31/2020 05:20	Refuse	7.51		
8768	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	03/31/2020 02:04	03/31/2020 02:04	Refuse	4.69		
8775	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/2/2020 05:53	04/2/2020 05:53	Refuse	3.04		
8777	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/2/2020 01:59	04/2/2020 01:59	Refuse	3.08		
8778	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/6/2020 05:33	04/6/2020 05:33	Refuse	1.82		
8782	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/6/2020 01:49	04/6/2020 01:49	Refuse	4.95		
8783	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/8/2020 05:25	04/8/2020 05:25	Refuse	2.44		
8786	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/8/2020 01:42	04/8/2020 01:42	Refuse	2.68		
8788	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/11/2020 04:34	04/11/2020 04:34	Refuse	2.75		
8791	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/11/2020 09:18	04/11/2020 09:18	Refuse	3.07		
8793	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/14/2020 05:41	04/14/2020 05:41	Refuse	2.83		
8796	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/14/2020 01:46	04/14/2020 01:46	Refuse	3.12		
8798	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/16/2020 05:21	04/16/2020 05:21	Refuse	2.79		
8799	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/17/2020 05:59	04/17/2020 05:59	Refuse	1.88		
8802	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/17/2020 01:10	04/17/2020 01:10	Refuse	2.79		
8806	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/20/2020 01:47	04/20/2020 01:47	Refuse	4.08		
8810	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/22/2020 05:43	04/22/2020 05:43	Refuse	2.1		
8811	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/22/2020 01:43	04/22/2020 01:43	Refuse	2.55		
8814	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/23/2020 01:49	04/23/2020 01:49	Refuse	2.28		
8815	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/27/2020 05:57	04/27/2020 05:57	Refuse	1.9		
8817	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/28/2020 06:19	04/28/2020 06:19	Refuse	4.84		
8820	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/28/2020 01:46	04/28/2020 01:46	Refuse	2.82		
8823	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	04/29/2020 01:27	04/29/2020 01:27	Refuse	1.51		

Attachment 17.
Sweeper Data Logs

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Waste Type 1	Waste Amount 1 (Tons)	Number of Used Batteries	Number of Electronics / Computers
8824	Refuse Collect Ad Hoc	3	CLOSED	Gomes, Gregory	04/30/2020 01:58	04/30/2020 01:58	Refuse	2.22		
8829	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/1/2020 01:50	05/1/2020 01:50	Refuse	3.79		
8831	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/4/2020 01:41	05/4/2020 01:41	Refuse	4.15		
8835	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/6/2020 01:17	05/6/2020 01:17	Refuse	3.3		
8840	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/7/2020 01:48	05/7/2020 01:48	Refuse	2.02		
8841	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/8/2020 01:30	05/8/2020 01:30	Refuse	1.9		
8849	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/11/2020 01:51	05/11/2020 01:51	Refuse	3.55		
8852	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/13/2020 06:24	05/13/2020 06:24	Refuse	2.74		
8854	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/15/2020 05:41	05/15/2020 05:41	Refuse	2.54		
8855	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/15/2020 05:45	05/15/2020 05:45	Refuse	2.51		
8856	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/15/2020 06:30	05/15/2020 01:48	Refuse	2.1		
8859	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/18/2020 01:52	05/18/2020 01:52	Refuse	3.84		
8860	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/19/2020 01:59	05/19/2020 01:59	Refuse	2.75		
8863	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/20/2020 01:40	05/20/2020 01:40	Refuse	2.79		
8866	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/21/2020 02:02	05/21/2020 02:02	Refuse	1.82		
8871	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/26/2020 05:41	05/26/2020 05:41	Refuse	2.44		
8872	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/26/2020 05:47	05/26/2020 05:47	Refuse	2.3		
8873	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/26/2020 01:50	05/26/2020 01:50	Refuse	3.12		
8878	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/28/2020 09:02	05/28/2020 09:02	Refuse	1.89		
8881	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	05/28/2020 01:48	05/28/2020 01:48	Refuse	1.81		
8889	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/1/2020 06:28	06/1/2020 06:28	Refuse	2.94		
8894	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/2/2020 07:36	06/2/2020 07:36	Refuse	5.07		
8897	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/2/2020 06:30	06/2/2020 02:00	Refuse	3.05		
8898	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/4/2020 05:52	06/4/2020 05:52	Refuse	2		
8901	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/4/2020 01:45	06/4/2020 01:45	Refuse	2.97		
8903	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/5/2020 01:26	06/5/2020 01:26	Refuse	2.34		
8915	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/8/2020 02:02	06/8/2020 02:02	Refuse	3.88		
8916	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/9/2020 01:58	06/9/2020 01:58	Refuse	2.55		
8931	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/10/2020 11:07	06/10/2020 11:07	Refuse	2.2		
8935	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/12/2020 12:36	06/12/2020 12:36	Refuse	2.97		

Attachment 17.
Sweeper Data Logs

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Waste Type 1	Waste Amount 1 (Tons)	Number of Used Batteries	Number of Electronics / Computers
8946	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/16/2020 10:51	06/16/2020 10:51	Refuse	4.16		
8950	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/17/2020 05:20	06/17/2020 05:20	Refuse	1.86		
8951	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/18/2020 05:19	06/18/2020 05:19	Refuse	2.41		
8952	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/18/2020 01:53	06/18/2020 01:53	Refuse	2.43		
8954	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/19/2020 01:45	06/19/2020 01:45	Refuse	2.08		
8956	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/22/2020 02:03	06/22/2020 02:03	Refuse	3.44		
8959	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/24/2020 06:56	06/24/2020 06:56	Refuse	2.08		
8962	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/24/2020 01:45	06/24/2020 01:45	Refuse	1.86		
8966	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/25/2020 02:03	06/25/2020 02:03	Refuse	2.58		
8968	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/29/2020 05:58	06/29/2020 05:58	Refuse	2.04		
8972	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/29/2020 01:58	06/29/2020 01:58	Refuse	4		
8976	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	06/30/2020 01:44	06/30/2020 01:44	Refuse	3.21		
8978	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/2/2020 05:34	07/2/2020 05:34	Refuse	2.13		
8981	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/4/2020 08:23	07/4/2020 08:23	Refuse	2.88		
8985	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/6/2020 01:52	07/6/2020 01:52	Refuse	3.32		
8986	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/8/2020 05:21	07/8/2020 05:21	Refuse	2.68		
8987	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/9/2020 05:33	07/9/2020 05:33	Refuse	2.64		
8996	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/9/2020 01:58	07/9/2020 01:58	Refuse	3.61		
9006	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/10/2020 01:52	07/10/2020 01:52	Refuse	2.67		
9022	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/13/2020 01:42	07/13/2020 01:42	Refuse	4.59		
9024	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/14/2020 01:51	07/14/2020 01:51	Refuse	2.48		
9028	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/15/2020 02:07	07/15/2020 02:07	Refuse	1.62		
9030	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/17/2020 05:22	07/17/2020 05:22	Refuse	1.97		
9033	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/20/2020 01:58	07/20/2020 01:58	Refuse	4.7		
9034	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/20/2020 06:00	07/20/2020 02:00	Refuse	2.31		
9038	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/21/2020 01:55	07/21/2020 01:55	Refuse	2.63		
9040	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/23/2020 11:52	07/23/2020 11:52	Refuse	2.19		
9041	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/23/2020 02:04	07/23/2020 02:04	Refuse	2.43		
9043	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/24/2020 02:03	07/24/2020 02:03	Refuse	2.95		
9044	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/27/2020 05:20	07/27/2020 05:20	Refuse	2.32		

Attachment 17.
Sweeper Data Logs

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Waste Type 1	Waste Amount 1 (Tons)	Number of Used Batteries	Number of Electronics / Computers
9051	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/29/2020 05:15	07/29/2020 05:15	Refuse	1.77		
9053	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/30/2020 05:15	07/30/2020 05:15	Refuse	1.71		
9055	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	07/31/2020 05:33	07/31/2020 05:33	Refuse	2.24		
9056	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/3/2020 05:30	08/3/2020 05:30	Refuse	3.59		
9061	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/4/2020 05:18	08/4/2020 05:18	Refuse	5.03		
9062	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/4/2020 02:04	08/4/2020 02:04	Refuse	2.41		
9064	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/5/2020 01:46	08/5/2020 01:46	Refuse	2.72		
9065	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/7/2020 05:36	08/7/2020 05:36	Refuse	3.17		
9067	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/7/2020 12:59	08/7/2020 12:59	Refuse	2.13		
9071	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/11/2020 05:21	08/11/2020 05:21	Refuse	3.81		
9074	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/11/2020 01:47	08/11/2020 01:47	Refuse	2.74		
9078	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/12/2020 01:02	08/12/2020 01:02	Refuse	2.92		
9081	Refuse Collection (Abuse)	3	CLOSED	McLean, Robert	08/13/2020 01:47	08/13/2020 01:47	Refuse	2.66		
9085	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/17/2020 05:34	08/17/2020 05:34	Refuse	2.39		
9088	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/18/2020 01:55	08/18/2020 01:55	Refuse	2.63		
9090	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/20/2020 05:53	08/20/2020 05:53	Refuse	2.1		
9095	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/24/2020 05:21	08/24/2020 05:21	Refuse	2.76		
9098	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/25/2020 05:22	08/25/2020 05:22	Refuse	4.58		
9163	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/25/2020 01:48	08/25/2020 01:48	Refuse	2.89		
9182	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/27/2020 10:41	08/27/2020 10:41	Refuse	3.28		
9185	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/27/2020 01:34	08/27/2020 01:34	Refuse	3.01		
9206	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	08/28/2020 01:52	08/28/2020 01:52	Refuse	2.76		
9219	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/1/2020 05:43	09/1/2020 05:43	Refuse	4.44		
9222	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/2/2020 05:26	09/2/2020 05:26	Refuse	2.46		
9224	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/3/2020 05:15	09/3/2020 05:15	Refuse	1.94		
9228	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/4/2020 05:12	09/4/2020 05:12	Refuse	1.75		
9230	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/4/2020 01:34	09/4/2020 01:34	Refuse	1.97		
9231	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/8/2020 05:16	09/8/2020 05:16	Refuse	2.18		
9233	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/9/2020 05:18	09/9/2020 05:18	Refuse	4.54		
9237	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/9/2020 01:56	09/9/2020 01:56	Refuse	1.54		

Attachment 17.
Sweeper Data Logs

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Waste Type 1	Waste Amount 1 (Tons)	Number of Used Batteries	Number of Electronics / Computers
9241	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/10/2020 02:00	09/10/2020 02:00	Refuse	1.35		
9251	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/11/2020 01:51	09/11/2020 01:51	Refuse	2.6		
9253	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/15/2020 05:35	09/15/2020 05:35	Refuse	5.42		
9259	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/15/2020 01:44	09/15/2020 01:44	Refuse	2.33		
9264	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/17/2020 05:13	09/17/2020 05:13	Refuse	2.2		
9267	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/17/2020 01:48	09/17/2020 01:48	Refuse	1.61		
9275	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/22/2020 01:42	09/22/2020 01:42	Refuse	1.64		
9277	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/22/2020 01:55	09/22/2020 01:55	Refuse	1.64		
9278	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/23/2020 02:02	09/23/2020 02:02	Refuse	2.16		
9279	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/24/2020 02:04	09/24/2020 02:04	Refuse	2.41		
9281	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/25/2020 01:52	09/25/2020 01:52	Refuse	1.81		
9289	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/28/2020 02:09	09/28/2020 02:09	Refuse	4.56		
9305	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/29/2020 01:41	09/29/2020 01:41	Refuse	3.07		
9306	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	09/30/2020 01:53	09/30/2020 01:53	Refuse	2.02		
9308	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/2/2020 05:40	10/2/2020 05:40	Refuse	1.26		
9310	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/2/2020 01:51	10/2/2020 01:51	Refuse	2.42		
9314	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/6/2020 05:15	10/6/2020 05:15	Refuse	4.67		
9315	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/6/2020 01:42	10/6/2020 01:42	Refuse	2.3		
9316	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/7/2020 01:44	10/7/2020 01:44	Refuse	2.73		
9319	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/8/2020 01:49	10/8/2020 01:49	Refuse	2.85		
9329	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/9/2020 12:36	10/9/2020 12:36	Refuse	2.29		
9331	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/13/2020 05:26	10/13/2020 05:26	Refuse	6.76		
9333	Bulk Waste Disposal	3	CLOSED	McLean, Robert	10/13/2020 05:37	10/13/2020 05:37	Refuse		1	
9337	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/14/2020 05:16	10/14/2020 05:16	Refuse	1.55		
9339	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/14/2020 01:45	10/14/2020 01:45	Refuse	2.74		
9342	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/16/2020 05:26	10/16/2020 05:26	Refuse	1.82		
9343	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/16/2020 01:57	10/16/2020 01:57	Refuse	4.03		
9350	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/19/2020 01:59	10/19/2020 01:59	Refuse	4.15		
9353	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/20/2020 01:47	10/20/2020 01:47	Refuse	3.4		
9355	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/22/2020 05:37	10/22/2020 05:37	Refuse	2.39		

Attachment 17.
Sweeper Data Logs

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Waste Type 1	Waste Amount 1 (Tons)	Number of Used Batteries	Number of Electronics / Computers
9359	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/23/2020 05:26	10/23/2020 05:26	Refuse	2.32		
9367	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/26/2020 01:57	10/26/2020 01:57	Refuse	7.05		
9369	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/27/2020 01:20	10/27/2020 01:20	Refuse	3.81		
9375	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/28/2020 02:08	10/28/2020 02:08	Refuse	2.75		
9379	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/29/2020 01:54	10/29/2020 01:54	Refuse	2.3		
9382	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	10/30/2020 01:47	10/30/2020 01:47	Refuse	2.31		
9384	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/2/2020 01:33	11/2/2020 01:33	Refuse	3.88		
9387	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/4/2020 01:49	11/4/2020 01:49	Refuse	3.65		
9388	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/5/2020 01:40	11/5/2020 01:40	Refuse	2.67		
9389	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/6/2020 01:36	11/6/2020 01:36	Refuse	2.86		
9393	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/9/2020 01:33	11/9/2020 01:33	Refuse	5.01		
9396	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/10/2020 11:50	11/10/2020 11:50	Refuse	2.33		
9401	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/12/2020 12:11	11/12/2020 12:11	Refuse	2.61		
9402	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/13/2020 01:44	11/13/2020 01:44	Refuse	2.46		
9405	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/16/2020 01:44	11/16/2020 01:44	Refuse	4.61		
9408	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/17/2020 12:28	11/17/2020 12:28	Refuse	2.44		
9409	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/18/2020 01:10	11/18/2020 01:10	Refuse	2.79		
9410	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/20/2020 05:45	11/20/2020 05:45	Refuse	2.9		
9411	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/20/2020 01:36	11/20/2020 01:36	Refuse	2.13		
9413	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/23/2020 01:51	11/23/2020 01:51	Refuse	6.49		
9414	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/24/2020 01:54	11/24/2020 01:54	Refuse	2.39		
9415	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/25/2020 12:44	11/25/2020 12:44	Refuse	2.19		
9416	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/30/2020 04:58	11/30/2020 04:58	Refuse	3.47		
9419	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	11/30/2020 01:59	11/30/2020 01:59	Refuse	5.38		
9423	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/1/2020 02:05	12/1/2020 02:05	Refuse	2.15		
9424	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/2/2020 01:44	12/2/2020 01:44	Refuse	1.55		
9425	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/3/2020 01:48	12/3/2020 01:48	Refuse	3.12		
9429	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/7/2020 11:30	12/7/2020 11:30	Refuse	4.62		
9431	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/8/2020 01:36	12/8/2020 01:36	Refuse	2.25		
9433	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/9/2020 11:01	12/9/2020 11:01	Refuse	1.7		

Attachment 17.
Sweeper Data Logs

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Waste Type 1	Waste Amount 1 (Tons)	Number of Used Batteries	Number of Electronics / Computers
9434	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/10/2020 10:34	12/10/2020 10:34	Refuse	2.29		
9437	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/11/2020 01:53	12/11/2020 01:53	Refuse	2.67		
9442	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/14/2020 01:15	12/14/2020 01:15	Refuse	4.97		
9444	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/15/2020 01:10	12/15/2020 01:10	Refuse	1.78		
9445	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/16/2020 01:47	12/16/2020 01:47	Refuse	2.96		
9446	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/17/2020 01:46	12/17/2020 01:46	Refuse	2.31		
9447	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/21/2020 05:29	12/21/2020 05:29	Refuse	1.88		
9449	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/21/2020 01:57	12/21/2020 01:57	Refuse	6.55		
9454	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/22/2020 01:48	12/22/2020 01:48	Refuse	2.15		
9456	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/23/2020 01:39	12/23/2020 01:39	Refuse	2.41		
9459	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/24/2020 12:59	12/24/2020 12:59	Refuse	2.34		
9460	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/26/2020 07:40	12/26/2020 07:40	Refuse	2.76		
9462	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/28/2020 01:57	12/28/2020 01:57	Refuse	5.52		
9465	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/29/2020 11:55	12/29/2020 11:55	Refuse	3.94		
9468	Inspect	3	) - INITIATED	Fukumoto, Arnold	12/30/2020 01:04	12/30/2020 01:04	Refuse	3.07		
9470	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/31/2020 12:52	12/31/2020 12:52	Refuse	3.06		
9472	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/2/2021 04:57	01/2/2021 04:57	Refuse			
8352	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/3/2020 10:41	01/3/2020 10:41	Scrap Metals			
8353	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/3/2020 10:51	01/3/2020 10:51	Scrap Metals			
8356	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/6/2020 01:43	01/6/2020 01:43	Scrap Metals			
8357	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/6/2020 01:48	01/6/2020 01:48	Scrap Metals			
8358	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/6/2020 01:55	01/6/2020 01:55	Scrap Metals			
8379	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/15/2020 05:27	01/15/2020 05:27	Scrap Metals			
8381	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/16/2020 07:24	01/16/2020 07:24	Scrap Metals	2.9		
8383	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/16/2020 07:31	01/16/2020 07:31	Scrap Metals		1	
8385	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/17/2020 12:27	01/17/2020 12:27	Scrap Metals	6.7		
8404	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/24/2020 06:25	01/24/2020 06:25	Scrap Metals			
8406	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/24/2020 06:38	01/24/2020 06:38	Scrap Metals			
8422	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/27/2020 01:50	01/27/2020 01:50	Scrap Metals			
8423	Bulk Waste Disposal	3	CLOSED	McLean, Robert	01/27/2020 01:53	01/27/2020 01:53	Scrap Metals			

Attachment 17.
Sweeper Data Logs

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Waste Type 1	Waste Amount 1 (Tons)	Number of Used Batteries	Number of Electronics / Computers
8495	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/1/2020 05:33	02/1/2020 05:33	Scrap Metals			
8506	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/4/2020 10:05	02/4/2020 10:05	Scrap Metals			
8507	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/4/2020 10:10	02/4/2020 10:10	Scrap Metals			
8509	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/5/2020 05:29	02/5/2020 05:29	Scrap Metals			
8510	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/5/2020 05:31	02/5/2020 05:31	Scrap Metals			
8524	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/6/2020 01:30	02/6/2020 01:30	Scrap Metals			
8527	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/6/2020 01:33	02/6/2020 01:33	Scrap Metals			
8666	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	02/20/2020 08:33	02/20/2020 08:33	Scrap Metals			
8690	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/27/2020 05:41	02/27/2020 05:41	Scrap Metals			
8691	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/27/2020 05:44	02/27/2020 05:44	Scrap Metals			
8696	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/27/2020 01:53	02/27/2020 01:53	Scrap Metals			
8701	Bulk Waste Disposal	3	CLOSED	McLean, Robert	03/4/2020 11:20	03/4/2020 11:20	Scrap Metals	9.3		
8702	Bulk Waste Disposal	3	CLOSED	McLean, Robert	03/4/2020 11:28	03/4/2020 11:28	Scrap Metals	6.3		
8712	Bulk Waste Disposal	3	CLOSED	McLean, Robert	03/7/2020 06:31	03/7/2020 06:31	Scrap Metals			
8720	Bulk Waste Disposal	3	CLOSED	McLean, Robert	03/11/2020 05:52	03/11/2020 05:52	Scrap Metals			
8728	Bulk Waste Disposal	3	CLOSED	McLean, Robert	03/12/2020 01:45	03/12/2020 01:45	Scrap Metals			
8734	Bulk Waste Disposal	3	CLOSED	McLean, Robert	03/17/2020 05:11	03/17/2020 05:11	Scrap Metals			
8761	Bulk Waste Disposal	3	CLOSED	McLean, Robert	03/27/2020 01:26	03/27/2020 01:26	Scrap Metals			
8776	Bulk Waste Disposal	3	CLOSED	McLean, Robert	04/2/2020 01:56	04/2/2020 01:56	Scrap Metals			
8790	Bulk Waste Disposal	3	CLOSED	McLean, Robert	04/11/2020 04:41	04/11/2020 04:41	Scrap Metals			
8794	Bulk Waste Disposal	3	CLOSED	McLean, Robert	04/14/2020 05:45	04/14/2020 05:45	Scrap Metals			
8807	Bulk Waste Disposal	3	CLOSED	McLean, Robert	04/22/2020 05:33	04/22/2020 05:33	Scrap Metals			
8808	Bulk Waste Disposal	3	CLOSED	McLean, Robert	04/22/2020 05:38	04/22/2020 05:38	Scrap Metals			
8812	Bulk Waste Disposal	3	CLOSED	McLean, Robert	04/22/2020 01:53	04/22/2020 01:53	Scrap Metals			
8819	Bulk Waste Disposal	3	CLOSED	McLean, Robert	04/28/2020 07:19	04/28/2020 07:19	Scrap Metals			
8825	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/1/2020 05:30	05/1/2020 05:30	Scrap Metals			
8828	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/1/2020 01:28	05/1/2020 01:28	Scrap Metals	2.3		
8832	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/5/2020 08:31	05/5/2020 08:31	Scrap Metals			
8836	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/6/2020 01:40	05/6/2020 01:40	Scrap Metals			
8839	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/6/2020 01:46	05/6/2020 01:46	Scrap Metals			

Attachment 17.
Sweeper Data Logs

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Waste Type 1	Waste Amount 1 (Tons)	Number of Used Batteries	Number of Electronics / Computers
8842	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/8/2020 01:33	05/8/2020 01:33	Scrap Metals	2.32		
8843	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/8/2020 01:45	05/8/2020 01:45	Scrap Metals			
8861	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/19/2020 02:02	05/19/2020 02:02	Scrap Metals			
8862	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/19/2020 02:04	05/19/2020 02:04	Scrap Metals			
8864	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/21/2020 05:42	05/21/2020 05:42	Scrap Metals			
8865	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/21/2020 05:44	05/21/2020 05:44	Scrap Metals			
8867	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/21/2020 02:04	05/21/2020 02:04	Scrap Metals			
8874	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/27/2020 05:42	05/27/2020 05:42	Scrap Metals			
8875	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/27/2020 05:53	05/27/2020 05:53	Scrap Metals			1
8879	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/28/2020 09:05	05/28/2020 09:05	Scrap Metals			
8880	Bulk Waste Disposal	3	CLOSED	McLean, Robert	05/28/2020 09:07	05/28/2020 09:07	Scrap Metals			
8890	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/1/2020 06:32	06/1/2020 06:32	Scrap Metals		2	
8891	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/1/2020 06:34	06/1/2020 06:34	Scrap Metals			
8895	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/2/2020 07:39	06/2/2020 07:39	Scrap Metals			
8896	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/2/2020 07:41	06/2/2020 07:41	Scrap Metals			
8913	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/8/2020 01:40	06/8/2020 01:40	Scrap Metals			
8933	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/10/2020 01:46	06/10/2020 01:46	Scrap Metals			
8936	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/12/2020 01:49	06/12/2020 01:49	Scrap Metals			
8947	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/16/2020 10:57	06/16/2020 10:57	Scrap Metals			
8960	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/24/2020 06:58	06/24/2020 06:58	Scrap Metals			
8974	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/30/2020 01:27	06/30/2020 01:27	Scrap Metals	4.78		
8975	Bulk Waste Disposal	3	CLOSED	McLean, Robert	06/30/2020 01:30	06/30/2020 01:30	Scrap Metals	1.43		
8988	Bulk Waste Disposal	3	CLOSED	McLean, Robert	07/9/2020 05:37	07/9/2020 05:37	Scrap Metals			
9049	Bulk Waste Disposal	3	CLOSED	McLean, Robert	07/28/2020 05:14	07/28/2020 05:14	Scrap Metals			
9073	Bulk Waste Disposal	3	CLOSED	McLean, Robert	08/11/2020 05:25	08/11/2020 05:25	Scrap Metals			
9077	Bulk Waste Disposal	3	CLOSED	McLean, Robert	08/12/2020 12:56	08/12/2020 12:56	Scrap Metals	8.2		
9089	Bulk Waste Disposal	3	CLOSED	McLean, Robert	08/18/2020 01:59	08/18/2020 01:59	Scrap Metals			
9091	Bulk Waste Disposal	3	CLOSED	McLean, Robert	08/20/2020 06:16	08/20/2020 06:16	Scrap Metals			
9092	Bulk Waste Disposal	3	CLOSED	McLean, Robert	08/20/2020 06:19	08/20/2020 06:19	Scrap Metals			
9093	Bulk Waste Disposal	3	CLOSED	McLean, Robert	08/20/2020 06:22	08/20/2020 06:22	Scrap Metals			

Attachment 17.
Sweeper Data Logs

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Waste Type 1	Waste Amount 1 (Tons)	Number of Used Batteries	Number of Electronics / Computers
9094	Bulk Waste Disposal	3	CLOSED	McLean, Robert	08/22/2020 05:00	08/22/2020 05:00	Scrap Metals			
9099	Bulk Waste Disposal	3	CLOSED	McLean, Robert	08/25/2020 05:26	08/25/2020 05:26	Scrap Metals			
9100	Bulk Waste Disposal	3	CLOSED	McLean, Robert	08/25/2020 05:29	08/25/2020 05:29	Scrap Metals			
9101	Bulk Waste Disposal	3	CLOSED	McLean, Robert	08/24/2020 06:45	08/25/2020 05:31	Scrap Metals			
9234	Bulk Waste Disposal	3	CLOSED	McLean, Robert	09/9/2020 05:21	09/9/2020 05:21	Scrap Metals			
9235	Bulk Waste Disposal	3	CLOSED	McLean, Robert	09/9/2020 05:23	09/9/2020 05:23	Scrap Metals			
9236	Bulk Waste Disposal	3	CLOSED	McLean, Robert	09/9/2020 05:25	09/9/2020 05:25	Scrap Metals			
9255	Bulk Waste Disposal	3	CLOSED	McLean, Robert	09/15/2020 05:42	09/15/2020 05:42	Scrap Metals			
9260	Bulk Waste Disposal	3	CLOSED	McLean, Robert	09/15/2020 01:48	09/15/2020 01:48	Scrap Metals			
9309	Bulk Waste Disposal	3	CLOSED	McLean, Robert	10/2/2020 01:41	10/2/2020 01:41	Scrap Metals	5.18		
9332	Bulk Waste Disposal	3	CLOSED	McLean, Robert	10/13/2020 05:33	10/13/2020 05:33	Scrap Metals			
9354	Bulk Waste Disposal	3	CLOSED	McLean, Robert	10/20/2020 01:50	10/20/2020 01:50	Scrap Metals			
9357	Bulk Waste Disposal	3	CLOSED	McLean, Robert	10/22/2020 05:41	10/22/2020 05:41	Scrap Metals			
9363	Bulk Waste Disposal	3	CLOSED	McLean, Robert	10/26/2020 01:18	10/26/2020 01:18	Scrap Metals			
9365	Bulk Waste Disposal	3	CLOSED	McLean, Robert	10/26/2020 01:23	10/26/2020 01:23	Scrap Metals			
9366	Bulk Waste Disposal	3	CLOSED	McLean, Robert	10/26/2020 01:26	10/26/2020 01:26	Scrap Metals			
9370	Bulk Waste Disposal	3	CLOSED	McLean, Robert	10/27/2020 01:23	10/27/2020 01:23	Scrap Metals			
9374	Bulk Waste Disposal	3	CLOSED	McLean, Robert	10/28/2020 01:58	10/28/2020 01:58	Scrap Metals	0.82		
9381	Bulk Waste Disposal	3	CLOSED	McLean, Robert	10/29/2020 02:09	10/29/2020 02:09	Scrap Metals			
9432	Bulk Waste Disposal	3	CLOSED	McLean, Robert	12/9/2020 09:48	12/9/2020 09:48	Scrap Metals	1.16		
9439	Bulk Waste Disposal	3	CLOSED	McLean, Robert	12/11/2020 02:05	12/11/2020 02:05	Scrap Metals			
9463	Bulk Waste Disposal	3	CLOSED	McLean, Robert	12/29/2020 05:40	12/29/2020 05:40	Scrap Metals			
9464	Bulk Waste Disposal	3	CLOSED	McLean, Robert	12/29/2020 05:43	12/29/2020 05:43	Scrap Metals			
9349	Sweep Waste Disposal	3	CLOSED	McLean, Robert	10/19/2020 11:12	10/19/2020 11:12	Sweeper Waste	11.4		
8372	Sweep - Weekly	3	CLOSED	McLean, Robert	01/13/2020 12:10	01/13/2020 12:10	Sweeper Waste			
8373	Sweep - Weekly	3	CLOSED	McLean, Robert	01/13/2020 12:12	01/13/2020 12:12	Sweeper Waste			
8374	Sweep - Weekly	3	CLOSED	McLean, Robert	01/13/2020 12:15	01/13/2020 12:15	Sweeper Waste			
8375	Sweep - Weekly	3	CLOSED	McLean, Robert	01/14/2020 12:35	01/14/2020 12:35	Sweeper Waste			
8376	Sweep - Weekly	3	CLOSED	McLean, Robert	01/14/2020 12:38	01/14/2020 12:38	Sweeper Waste			
8388	Sweep - Weekly	3	CLOSED	McLean, Robert	01/21/2020 05:37	01/21/2020 05:37	Sweeper Waste			

Attachment 17.
Sweeper Data Logs

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Waste Type 1	Waste Amount 1 (Tons)	Number of Used Batteries	Number of Electronics / Computers
8394	Sweep Waste Disposal	3	CLOSED	McLean, Robert	01/22/2020 01:59	01/22/2020 01:59	Sweeper Waste	17.77		
8402	Sweep - Weekly	3	CLOSED	McLean, Robert	01/24/2020 05:48	01/24/2020 05:48	Sweeper Waste			
8420	Sweep - Weekly	3	CLOSED	McLean, Robert	01/27/2020 01:44	01/27/2020 01:44	Sweeper Waste			
8502	Sweep - Weekly	3	CLOSED	McLean, Robert	02/3/2020 01:50	02/3/2020 01:50	Sweeper Waste			
8516	Sweep - Weekly	3	CLOSED	McLean, Robert	02/6/2020 05:34	02/6/2020 05:34	Sweeper Waste			
8596	Sweep - Weekly	3	CLOSED	McLean, Robert	02/14/2020 10:27	02/14/2020 10:27	Sweeper Waste			
8597	Sweep - Weekly	3	CLOSED	McLean, Robert	02/14/2020 10:32	02/14/2020 10:32	Sweeper Waste			
8692	Sweep - Weekly	3	CLOSED	McLean, Robert	02/27/2020 09:41	02/27/2020 09:41	Sweeper Waste			
8694	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/27/2020 01:47	02/27/2020 01:47	Sweeper Waste	15.22		
8697	Bulk Waste Disposal	3	CLOSED	McLean, Robert	02/28/2020 01:56	02/28/2020 01:56	Sweeper Waste	11.22		
8703	Sweep - Weekly	3	CLOSED	McLean, Robert	03/4/2020 12:07	03/4/2020 12:07	Sweeper Waste			
8709	Sweep - Weekly	3	CLOSED	McLean, Robert	03/6/2020 09:45	03/6/2020 09:45	Sweeper Waste			
8721	Sweep - Weekly	3	CLOSED	McLean, Robert	03/11/2020 12:51	03/11/2020 12:51	Sweeper Waste			
8732	Sweep - Weekly	3	CLOSED	McLean, Robert	03/16/2020 07:47	03/16/2020 07:47	Sweeper Waste			
8752	Sweep - Weekly	3	CLOSED	McLean, Robert	03/23/2020 11:15	03/23/2020 11:15	Sweeper Waste			
8763	Sweep - Weekly	3	CLOSED	McLean, Robert	03/30/2020 05:44	03/30/2020 05:44	Sweeper Waste			
8770	Sweep Waste Disposal	3	CLOSED	McLean, Robert	04/1/2020 01:44	04/1/2020 01:44	Sweeper Waste	16.01		
8781	Sweep - Weekly	3	CLOSED	McLean, Robert	04/6/2020 12:58	04/6/2020 12:58	Sweeper Waste			
8787	Sweep - Weekly	3	CLOSED	McLean, Robert	04/13/2020 10:59	04/17/2020 10:59	Sweeper Waste			
8792	Sweep Waste Disposal	3	CLOSED	McLean, Robert	04/14/2020 05:38	04/14/2020 05:38	Sweeper Waste	16.86		
8803	Sweep - Weekly	3	CLOSED	McLean, Robert	04/20/2020 05:22	04/20/2020 05:22	Sweeper Waste			
8816	Sweep - Weekly	3	CLOSED	McLean, Robert	04/27/2020 08:35	04/27/2020 08:35	Sweeper Waste			
8830	Sweep - Weekly	3	CLOSED	McLean, Robert	05/4/2020 05:38	05/4/2020 05:38	Sweeper Waste			
8833	Sweep Waste Disposal	3	CLOSED	McLean, Robert	05/5/2020 01:51	05/5/2020 01:51	Sweeper Waste	18.76		
8844	Sweep - Weekly	3	CLOSED	McLean, Robert	05/11/2020 05:36	05/11/2020 05:36	Sweeper Waste			
8858	Sweep - Weekly	3	CLOSED	McLean, Robert	05/18/2020 05:58	05/18/2020 05:58	Sweeper Waste			
8869	Sweep - Weekly	3	CLOSED	McLean, Robert	05/26/2020 05:35	05/26/2020 05:35	Sweeper Waste			
8870	Sweep - Weekly	3	CLOSED	McLean, Robert	05/26/2020 05:38	05/26/2020 05:38	Sweeper Waste			
8886	Sweep - Weekly	3	CLOSED	McLean, Robert	06/1/2020 05:36	06/1/2020 05:36	Sweeper Waste			
8893	Sweep Waste Disposal	3	CLOSED	McLean, Robert	06/2/2020 07:31	06/2/2020 07:31	Sweeper Waste	27.21		

Attachment 17.
Sweeper Data Logs

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Waste Type 1	Waste Amount 1 (Tons)	Number of Used Batteries	Number of Electronics / Computers
8904	Sweep Waste Disposal	3	CLOSED	McLean, Robert	06/5/2020 01:56	06/5/2020 01:56	Sweeper Waste	14.76		
8905	Sweep - Weekly	3	CLOSED	McLean, Robert	06/8/2020 05:43	06/8/2020 05:43	Sweeper Waste			
8941	Sweep - Weekly	3	CLOSED	McLean, Robert	06/15/2020 05:37	06/15/2020 05:37	Sweeper Waste			
8957	Sweep - Weekly	3	CLOSED	McLean, Robert	06/23/2020 09:43	06/23/2020 09:43	Sweeper Waste			
8969	Sweep Waste Disposal	3	CLOSED	McLean, Robert	06/29/2020 06:16	06/29/2020 06:16	Sweeper Waste			
8971	Sweep Waste Disposal	3	CLOSED	McLean, Robert	06/29/2020 10:42	06/29/2020 10:42	Sweeper Waste	16.8		
8980	Sweep - Weekly	3	CLOSED	McLean, Robert	07/4/2020 06:57	07/4/2020 06:57	Sweeper Waste			
9007	Sweep - Weekly	3	CLOSED	McLean, Robert	07/13/2020 05:26	07/13/2020 05:26	Sweeper Waste			
9031	Sweep Waste Disposal	3	CLOSED	McLean, Robert	07/17/2020 01:40	07/17/2020 01:40	Sweeper Waste	19.86		
9035	Sweep - Weekly	3	CLOSED	McLean, Robert	07/21/2020 05:23	07/21/2020 05:23	Sweeper Waste			
9045	Sweep - Weekly	3	CLOSED	McLean, Robert	07/27/2020 05:30	07/27/2020 05:30	Sweeper Waste			
9059	Sweep Waste Disposal	3	CLOSED	McLean, Robert	08/3/2020 11:01	08/3/2020 11:01	Sweeper Waste	15.28		
9060	Sweep - Weekly	3	CLOSED	McLean, Robert	08/4/2020 05:11	08/4/2020 05:11	Sweeper Waste			
9066	Sweep - Weekly	3	CLOSED	McLean, Robert	08/7/2020 06:15	08/7/2020 06:15	Sweeper Waste			
9084	Sweep - Weekly	3	CLOSED	McLean, Robert	08/17/2020 05:32	08/17/2020 05:32	Sweeper Waste			
9096	Sweep - Weekly	3	CLOSED	McLean, Robert	08/24/2020 05:25	08/24/2020 05:25	Sweeper Waste			
9208	Sweep - Weekly	3	CLOSED	McLean, Robert	08/31/2020 05:27	08/31/2020 05:27	Sweeper Waste			
9218	Bulk Waste Disposal	3	CLOSED	McLean, Robert	09/1/2020 05:40	09/1/2020 05:40	Sweeper Waste	18.09		
9232	Sweep - Weekly	3	CLOSED	McLean, Robert	09/8/2020 05:46	09/8/2020 05:46	Sweeper Waste			
9243	Sweep - Weekly	3	CLOSED	McLean, Robert	09/11/2020 05:35	09/11/2020 05:35	Sweeper Waste			
9330	Sweep - Weekly	3	CLOSED	McLean, Robert	10/12/2020 06:23	10/12/2020 06:23	Sweeper Waste			
9347	Sweep - Weekly	3	CLOSED	McLean, Robert	10/19/2020 05:39	10/19/2020 05:39	Sweeper Waste			
9360	Sweep - Weekly	3	CLOSED	McLean, Robert	10/26/2020 05:32	10/26/2020 05:32	Sweeper Waste			
9378	Bulk Waste Disposal	3	CLOSED	McLean, Robert	10/29/2020 12:58	10/29/2020 12:58	Sweeper Waste	11.69		
9383	Sweep - Weekly	3	CLOSED	McLean, Robert	11/2/2020 05:35	11/2/2020 05:35	Sweeper Waste			
9390	Sweep - Weekly	3	CLOSED	McLean, Robert	11/9/2020 05:33	11/9/2020 05:33	Sweeper Waste			
9430	Bulk Waste Disposal	3	CLOSED	McLean, Robert	12/8/2020 11:05	12/8/2020 11:05	Sweeper Waste	14.24		
9435	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/10/2020 10:55	12/10/2020 10:55	Sweeper Waste	12.44		
9440	Sweep - Weekly	3	CLOSED	McLean, Robert	12/14/2020 06:14	12/14/2020 06:14	Sweeper Waste			
9448	Sweep - Weekly	3	CLOSED	McLean, Robert	12/21/2020 05:33	12/21/2020 05:33	Sweeper Waste			

Attachment 17.
Sweeper Data Logs

WorkOrderId	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Waste Type 1	Waste Amount 1 (Tons)	Number of Used Batteries	Number of Electronics / Computers
9461	Sweep - Weekly	3	CLOSED	McLean, Robert	12/28/2020 05:25	12/28/2020 05:25	Sweeper Waste			
9469	Refuse Collect Ad Hoc	3	CLOSED	McLean, Robert	12/30/2020 01:44	12/30/2020 01:44	Sweeper Waste	10.53		
							Total	**1123.79**	**5**	**4**
							Green Waste	**40.03**		
							Refuse	**755.95**		
							Scrap Metal	**51.39**		
							Human Waste	**8.28**		
							Sweeper	**268.14**		

Attachment 18.a

PEAR 6 Audit Draft Report

DRAFT Program Element Audit Report (PEAR) No. 6

Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability

State Project No. OSC-15-01

January 2020

Prepared by

Kennedy/Jenks Consultants, Inc.

Prepared for

State of Hawaii
Department of Transportation
Office of Environmental Compliance
869 Punchbowl Street
Honolulu, Hawaii 96813

KJ Project No. 1696025*00

Table of Contents

List of Tables ..... *iii*

List of Appendices ..... *iii*

List of Acronyms ..... *iv*

Section 1: Introduction 1

Section 2: Methods (CD Appendix A Section D.7.a.) 2

2.1 Pre-Audit 2
2.1.1 Notice of Audit 2
2.1.2 Records Request 2
2.1.3 Records Review 2
2.2 Reporting 3
2.2.1 Draft PEAR 3
2.2.2 Final PEAR 3

Section 3: Key Findings (CD Appendix A Section D.7.b. – e.) 4

3.1 Identification of Potential Violations and Deficiencies (CD Appendix A Section D.7.c.) 4
3.1.1 Potential Violations 4
3.1.2 Deficiencies 4
3.2 Overall Findings 4
3.2.1 Department-Wide Evaluation 5
3.2.1.1 Staffing 5
3.2.1.2 Funding and Availability of Resources 5
3.2.1.3 Organizational Structure 6
3.2.1.4 Storm Water Program Sustainability 6
3.2.2 Kahului Airport (OGG) Evaluation 6
3.2.2.1 Staffing 6
3.2.2.2 Funding and Availability of Resources 7
3.2.2.3 Organizational Structure 8
3.2.2.4 Storm Water Program Sustainability 8
3.2.3 Daniel K. Inouye International Airport (HNL) Evaluation 9
3.2.3.1 Staffing 9
3.2.3.2 Funding and Availability of Resources 10
3.2.3.3 Organizational Structure 11
3.2.3.4 Storm Water Program Sustainability 11
3.2.4 Highways Oahu District (HWY-O) Evaluation 12
3.2.4.1 Staffing 12
3.2.4.2 Funding and Availability of Resources 12
3.2.4.3 Organizational Structure 13
3.2.4.4 Storm Water Program Sustainability 13

Table of Contents (cont'd)

3.2.5 Highways Maui District (HWY-M) Evaluation 14
3.2.5.1 Staffing 14
3.2.5.2 Funding and Availability of Resources 14
3.2.5.3 Organizational Structure 15
3.2.5.4 Storm Water Program Sustainability 15
3.2.6 Harbors Division (HAR) Evaluation 15
3.2.6.1 Staffing 15
3.2.6.2 Funding and Availability of Resources 16
3.2.6.3 Organizational Structure 16
3.2.6.4 Storm Water Program Sustainability 17
3.3 Best Practices and Opportunities (CD Appendix A Section D.7.d.) 18
3.4 Retrospective Analysis (CD Appendix A Section D.7.b.) 18
3.5 Implementation (CD Appendix A Section D.7.e) 19
3.6 Positive Program Elements 19

Table of Contents (cont'd)

List of Tables

1 Estimates of Stormwater Program Staffing
2 Estimates of Stormwater Program Funding

List of Appendices

A Project Milestones and Deadlines
B1 Permit-Specific Information – Kahului Airport
B2 Permit-Specific Information – Daniel K. Inouye International Airport
B3 Permit-Specific Information – Honolulu Harbor
B4 Permit-Specific Information – Kalaeloa Barbers Point Harbor
B5 Permit-Specific Information – Highways Maui District
B6 Permit-Specific Information – Highways Oahu District
C Revised Audit Work Plan, November 2016

List of Acronyms

ACR	Annual Compliance Report
AMS	Asset Management System
AWP	Audit Work Plan
BMP	best management practice
CD	Consent Decree
DOH	State of Hawaii Department of Health
EHS	Environmental Health Specialist
EMS	Environmental Management Section
EPA	United States Environmental Protection Agency
FTE	full-time equivalent staff
GIS	Geographic Information System
HAR	Harbors Division
HDOT	State of Hawaii Department of Transportation
HNL	Daniel K. Inouye International Airport
HWY-M	Highways Maui District
HWY-O	Highways Oahu District
MS4	Municipal Separate Storm Sewer System
OGG	Kahului Airport
PEAR	Program Element Audit Report
PM	Project Manager
TMDL	Total Maximum Daily Load

Section 1: Introduction

Under Paragraph 10.d of the Consent Decree (Civil Action 1:14-CV-00408-JMS-KSC) entered on 5 November 2014 (CD) with the United States Environmental Protection Agency (EPA) and the State of Hawaii Department of Health (DOH), the State of Hawaii Department of Transportation (HDOT) was required to perform compliance audits of Municipal Separate Storm Sewer System (MS4) permits issued to HDOT's Airports, Highways, and Harbors Divisions (referred to herein as the singular "MS4 Permit Audit"). The ongoing MS4 Permit Audit is being conducted in accordance with an Audit Work Plan (AWP) approved by EPA and DOH on 31 October 2016 and provided as Appendix C of this report. The MS4 Permit Audit consists of individual audits of six program elements:

1. Post-Construction Runoff Control / Permanent Best Management Practices (BMPs)
2. Construction Site Runoff Control
3. Public Outreach / Public Involvement
4. Illicit Discharge Detection and Elimination Program Element and Industrial Commercial Activities/Tenant Program
5. Pollution Prevention / Good Housekeeping Program
6. Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability

This Program Element Audit Report (PEAR) 6 documents procedures and findings of the Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability element.

Section 2: Methods (CD Appendix A Section D.7.a.)

As required in CD Appendix A Section D.7.a., this section includes a specific statement of the procedures followed and materials reviewed during the MS4 Permit Audit. Additional details on specific dates can be found in Appendix A. Additional permit-specific details can be found in Appendices B1 through B6. The Audit Team reviewed the individual program element for the six permitted MS4 programs concurrently, developing a PEAR that represents the culmination of the auditing efforts across the three HDOT Divisions. The MS4 Permit Audit included two phases (Pre-Audit and Reporting), detailed in the following sections. Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations; instead, interviews with key HDOT staff were conducted.

2.1 Pre-Audit

2.1.1 Notice of Audit

The Audit Team began by providing a Notice of Audit to the MS4 Permit Coordinators via email. The Audit Team requested that the MS4 Permit Coordinators review two key documents.

First, the Audit Team created a table of Governing Regulations applicable to PEAR 6, which included sections of federal regulations, HDOT's MS4 permits, and the CD. This table was used by the Audit Team to informally track the results from the evaluation. The MS4 Permit Coordinators provided comments on this table, as applicable.

Second, the Audit Team developed a draft list of documents to be reviewed to generate the Records Request. The Audit Team asked the MS4 Permit Coordinators to confirm that the Audit Team had identified the most updated and suitable documents. The Audit Team finalized this list of documents based on feedback from the MS4 Permit Coordinators. This list is provided in Section 1 of Appendices B1 through B6.

2.1.2 Records Request

The Audit Team reviewed the key documents and identified those sections relevant to PEAR 6 (provided in Section 2 of Appendices B1 through B6). Based on this review, the Audit Team developed a Records Request that was shared with the MS4 Permit Coordinators.

2.1.3 Records Review

The MS4 Permit Coordinators responded to the Records Request and the Audit Team completed an initial review of the records received. The Audit Team next sent Requests for Clarification. The Audit Team also conducted a teleconference with MS4 Permit Coordinators during this timeframe. MS4 Permit Coordinators provided additional information during in-person interviews with the Audit Team. For this Program Element, the end of the records review period represented the completion of evaluation.

2.2 Reporting

2.2.1 Draft PEAR

Pursuant to the CD, the Audit Team prepared a draft PEAR 6 and transmitted it to the HDOT Project Manager (PM), who distributed copies of the draft PEAR to the appropriate MS4 Permit Coordinators. The MS4 Permit Coordinators reviewed the draft PEAR and distributed the report to key personnel for their review (at the discretion of the MS4 Permit Coordinators). The MS4 Permit Coordinators submitted to the HDOT PM a consolidated written request for clarification and corrections to the draft PEAR for their respective permit. The HDOT PM then submitted the consolidated requests and corrections to the Audit PM.

2.2.2 Final PEAR

The Audit Team made appropriate changes to the draft PEAR and submitted the final PEAR.

Section 3: Key Findings (CD Appendix A Section D.7.b. – e.)

As required in CD Appendix A Section D.7.b. – e., this section details key findings of the MS4 Permit Audit for PEAR 6.

Compliance with one program component could not be fully determined, as discussed below:

1. **Office of Environmental Compliance - Achieve and Maintain Compliance with All Environmental Regulations and Permits**

   CD Part 10.a. states in part that "[t]he Environmental Compliance staff coordinates with Highways, Airports, and Harbors Divisions to achieve and maintain compliance with all environmental regulations and permits." (emphasis added).

   Except for the findings documented to date in this report and PEARs 1 through 5, the Audit Team found HDOT in compliance with the stormwater regulations and permits reviewed under the scope of this audit. However, it was outside the scope of this audit to assess HDOT's compliance with all environmental regulations and permits. In this regard, the Audit Team could not fully determine HDOT's compliance with this CD requirement.

Except for the limitations discussed above and unless otherwise noted in this report, the Audit Team found HDOT's programs in compliance with their permit and CD obligations.

3.1 Identification of Potential Violations and Deficiencies (CD Appendix A Section D.7.c.)

CD Appendix A Section D.7.c. requires an identification of Potential Violations and Deficiencies.

3.1.1 Potential Violations

A Potential Violation is defined in the AWP as an area where the evaluation found the permittee not in compliance with a specific stormwater management program plan commitment, the CD, and/or permit and regulations. No Potential Violations were identified by the Audit Team for this PEAR.

3.1.2 Deficiencies

A Deficiency is defined in the AWP as an item which, if not corrected, may lead to Potential Violations. No Deficiencies were identified by the Audit Team for this PEAR.

3.2 Overall Findings

This section provides the Audit Team's overall findings for the four (4) major areas of focus: Staffing, Funding and Availability of Resources, Organizational Structure, and Storm Water Program Sustainability.

3.2.1 Department-Wide Evaluation

3.2.1.1 Staffing

Table 1 includes information provided by HDOT on past and estimated future stormwater program staffing.

As shown in Table 1, HDOT and consultant staff implementing stormwater programs department-wide has increased from 68 full-time equivalent staff (FTE) in Annual Compliance Report (ACR) Year 2015[1] to approximately 70 FTE in ACR Year 2019 and is projected to increase to and remain at approximately 84 FTE for ACR Years 2020 – 2024.

According to these estimates, ACR Years 2015 – 2024 represents an increase of approximately 5 HDOT FTE and approximately 11 consultant FTE (a total of approximately 16 FTE). This approximately 24% increase in staffing highlights HDOT's commitment to compliance with their stormwater obligations.

As of ACR Year 2019, 2/3 of total staff implementing stormwater programs department-wide are private consultants to HDOT. There are a variety of reasons why HDOT relies on consultants to implement their stormwater programs; for example, Airports Division shared that it is difficult to hire and retain HDOT staff for their stormwater programs.

3.2.1.2 Funding and Availability of Resources

Table 2 includes information provided by HDOT on past and estimated future stormwater program funding.

As shown in Table 2, HDOT expenditures for stormwater programs department-wide have increased from approximately $23.7 million in ACR Year 2015 to approximately $24.5 million in ACR Year 2019 and are projected to increase to and remain at approximately $27 million per year for ACR Years 2020 - 2024.

According to these estimates, ACR Years 2015 – 2024 show an increase of approximately $3.3 million in spending. This approximately 14% increase in funding highlights HDOT's commitment to compliance with their stormwater obligations.

[1] Values in Tables 1 and 2 are reported for the year the ACR was submitted. Kahului Airport (OGG), Harbors Division (HAR), and Highways Maui District (HWY-M) submit ACRs in January for the preceding calendar year. HNL and Highways Oahu District (HWY-O) submit ACRs in August and October, respectively, for the preceding fiscal year. For example, an entry of "2015" on Table 1 represents Calendar Year 2014 for OGG, HAR, and HWY-M, and Fiscal Year 2015 (July 1, 2014 – June 30, 2015) for HNL and HWY-O.

Table 1: Estimates of Stormwater Program Staffing

			Period Covered in Annual Report Submitted in [4]																			
Permittee		**NOTES**	**2015**	**NOTES**	**2016**	**NOTES**	**2017**	**NOTES**	**2018**	**NOTES**	**2019**	**NOTES**	**2020**	**NOTES**	**2021**	**NOTES**	**2022**	**NOTES**	**2023**	**NOTES**	**2024**	**NOTES**
OGG	Open / vacant HDOT positions	[1]	1	[10]	1	[10]	1	[10]	0		1	[11]	--		--		--		--		--	
	HDOT staff	[2]	0.2		0.4		0.4		1.2		1.3		1.1	[9]	1.1		1.1		1.1		1.1	
	Consultant staff	[3]	0.1		0.5		0.8		1.0		1.3		0.9	[9]	1.3		1.3		1.3		1.3	
	HDOT & Consultant Staff	[2] [3]	0.3		0.9		1.2		2.2		2.6		2.0	[9]	2.4		2.4		2.4		2.4	
HNL	Open / vacant HDOT positions	[1]	0		0		2	[5]	3	[6]	3	[7]	--		--		--		--		--	
	HDOT staff	[2]	2.3		2.3		1.8		1.7		2.4		2.7	[8]	2.8		2.8		2.8		2.8	
	Consultant staff	[3]	0.4		1.1		1.1		5.4		8.5		14.8	[8]	14.8		14.8		14.8		14.8	
	HDOT & Consultant Staff	[2] [3]	2.7		3.4		2.9		7.1		10.9		17.5	[8]	17.6		17.6		17.6		17.6	
HWY-O	Open / vacant HDOT positions	[1]	0		1		0		0		1		--		--		--		--		--	
	HDOT staff	[12]	11		11		11		11		11		11		11		11		11		11	
	Consultant staff	[3] [13]	41		36		35		35		34		36		36		36		36		36	
	HDOT & Consultant Staff	[3][12] [13]	52		47		46		46		45		47		47		47		47		47	
HWY-M	Open / vacant HDOT positions	[1]		[14]		[14]	6		6		6		--		--		--		--		--	
	HDOT staff	[2]	0.1		0.1		0.1		0.1		3.75		3.75		3.75		3.75		3.75		3.75	
	Consultant staff	[3]	4.93		4.62		6.38		3.9		1.55		7.25		7.25		7.25		7.25		7.25	
	HDOT & Consultant Staff	[2] [3]	5.03		4.72		6.48		4		5.3		11		11		11		11		11	
HAR	Open / vacant HDOT positions	[1]	0		0		0		0		1		--		--		--		--		--	
	HDOT staff	[2]	5		5		5		5		5		5		5		5		5		5	
	Consultant staff	[3]	3		3		2		1		1		1		1		1		1		1	
	HDOT & Consultant Staff	[2] [3]	8		8		7		6		6		6		6		6		6		6	
HDOT Total	Open / vacant HDOT positions	[1]	1		2		9		9		12		--		--		--		--		--	
	HDOT staff	[2]	18.6		18.8		18.3		19		23.5		23.6		23.7		23.7		23.7		23.7	
	Consultant staff	[3]	49.4		45.2		45.3		46.3		46.4		60		60.4		60.4		60.4		60.4	
	HDOT & Consultant Staff	[2] [3]	68		64		63.6		65.3		69.8		83.5		84		84		84		84	

Projections from 2020 onward are rough estimates.

[1] Number of full-time equivalent (FTE) HDOT open/vacant positions at any point during the year for staff dedicated to implementing the stormwater program

[2] Number of FTE HDOT staff implementing the stormwater program. For staff members who have primary responsibilities that are critical to the stormwater program, but also have other responsibilities within HDOT, this was approximated based on the estimated percentage of time that they worked on stormwater-related tasks.

[3] Number of FTE consultant staff implementing the stormwater program.

[4] OGG, HAR and HWY-M submit Annual Compliance Reports (ACRs) in January for the preceding calendar year. HNL and HWY-O submit ACRs in August and October, respectively, for the preceding fiscal year. For example, an entry of "2015" on this table represents Calendar Year 2014 for OGG, HAR and HWY-M, and Fiscal Year 2015 (July 1, 2014 - June 30, 2015) for HNL and HWY-O. For this reason, values may not be directly comparable between

[5] Two positions with were open/vacant for a portion of the year. However, Airports Division hired one new Environmental Health Specialist and implemented the stormwater program with assistance from a consultant contract.

[6] Three positions were open/vacant for a portion of the year. However, Airports Division hired a temporary Engineer and a full-time Engineer and implemented the stormwater program with assistance from a consultant contract.

[7] Three positions were open/vacant for a portion of the year. However, Airports Division hired three new Environmental Health Specialists and implemented the stormwater program with assistance from a new consultant contract.

[8] Estimated based on partial available data for the current fiscal year.

[9] Estimated based on partial available data for the current calendar year.

[10] Environmental Health Specialist position at OGG was open/vacant for the year. However, Airports Division staff from HNL implemented the stormwater program with assistance from a consultant contract.

[11] Environmental Health Specialist at OGG took an extended leave of absence and retired in December 2018. Airports Division was unable to advertise the position until December 2018. However, Airports Division staff from HNL implemented the stormwater program with assistance from a consultant contract.

[12] The reported number of HDOT staff does not include support provided by other sections outside of HWY-OW within the Division. The number of projected staff was estimated based on the average full-time equivalent staff calculated from the previous six years.

[13] Consultant full-time equivalent (FTE) staff was estimated by HWY-O by dividing annual consultant labor costs by $180,000 (the calculated average annual labor cost per FTE).

[14] No data available.

Table 2: Estimates of Stormwater Program Funding

		Period Covered in Annual Report Submitted in [4]																							
Permittee	**NOTES**	**2015**	**NOTES**	**2016**	**NOTES**	**2017**	**NOTES**	**2018**	**NOTES**	**2019**	**NOTES**	**2020**	**NOTES**	**2021**	**NOTES**	**2022**	**NOTES**	**2023**	**NOTES**	**2024**	**NOTES**
OGG	[1]	$ 12,000	[5]	$ 82,000		$ 281,000		$ 315,000		$ 331,000		$ 360,000	[6]	$ 562,000	[7]	$ 557,000	[7]	$ 557,000	[7]	$ 557,000	[7]
HNL	[1] [10]	$ 810,000	[5]	$ 788,000	[5]	$ 774,000	[5]	$ 2,168,000	[5]	$ 2,496,000	[9]	$ 5,392,000	[8]	$ 5,283,000	[7]	$ 5,283,000	[7]	$ 5,283,000	[7]	$ 5,283,000	[7]
HWY-O	[1] [3]	$ 20,757,000		$ 11,096,000		$ 16,141,000		$ 11,307,000		$ 18,461,000		$ 15,716,000		$ 15,716,000		$ 15,716,000		$ 15,716,000		$ 15,716,000	
HWY-M	[1]	$ 983,000		$ 942,000		$ 1,244,000		$ 1,234,000		$ 1,235,000	[2]	$ 3,280,000		$ 3,280,000		$ 3,280,000		$ 3,280,000		$ 3,280,000	
HAR	[1]	$ 1,134,000		$ 2,721,000		$ 1,868,000		$ 2,030,000		$ 1,927,000		$ 1,961,000		$ 2,300,000		$ 2,071,000		$ 2,112,000		$ 2,154,000	
HDOT Total	[1]	$ 23,696,000		$ 15,629,000		$ 20,308,000		$ 17,054,000		$ 24,450,000		$ 26,709,000		$ 27,141,000		$ 26,907,000		$ 26,948,000		$ 26,990,000	

Projections from 2020 onward are rough estimates.
[1] Total expenditures including costs for HDOT staff fully or partially assigned to the SWMP, consultants, contracts, contractors, and equipment. Values are rounded to the nearest thousand.
[2] Values were provided for January 2019 - September 2019 ($926,000). The Audit Team assumed that October - December 2019 expenditures would be similar to January - September 2019 expenditures; therefore this value was increased by
[3] Expenditures presented here will differ from that presented in past Annual Reports due to the timing of Capital Improvement Project (CIP) funds and Special Maintenance Project (SMP) funds reported. Note, this cost does not include support provided by other sections within the Division.
[4] OGG, HAR and HWY-M submit Annual Compliance Reports (ACRs) in January for the preceding calendar year. HNL and HWY-O submit ACRs in August and October, respectively, for the preceding fiscal year. For example, an entry of "2015" on this table represents Calendar Year 2014 for OGG, HAR and HWY-M, and Fiscal Year 2015 (July 1, 2014 - June 30, 2015) for HNL and HWY-O. For this reason, values may not be directly comparable between permittees.
[5] Personnel costs are not included in these estimates
[6] Estimated based on partial available data for the current calendar year.
[7] Assuming same level of effort from 2020 through 2024. Consultant and contract funding contingent upon approval.
[8] Estimated based on partial available data for the current fiscal year.
[9] Personnel cost does not include benefit multiplier
[10] Only personnel costs included.

3.2.1.3 Organizational Structure

At the department level, HDOT has not made significant changes to its stormwater management program organizational structure over the past 5 years and has no plans to make changes for the next 5 years. The Director of HDOT oversees three Deputy Directors who each oversee Airports, Harbors, and Highways Divisions, respectfully. Regarding stormwater management, each of the Divisions is organized differently, as described in the findings below.

3.2.1.4 Storm Water Program Sustainability

Given the significant increase projected for ACR Years 2015 – 2024 by the permittees in staffing (16 FTE, an approximately 24% increase) and funding (approximately $3.3 million, an approximately 14% increase), in addition to changes in organizational structure within several stormwater programs, the sustainability of HDOT's stormwater programs appears to be sound. While Potential Violations and Deficiencies were identified in PEARs 1 through 5, HDOT permittees quickly and effectively responded to these findings and addressed them with the necessary resources.

In the Audit Team's opinion, forthcoming changes to permit requirements mandated by DOH, discussed in detail below, represent the largest area of vulnerability to stormwater program sustainability.

3.2.2 Kahului Airport (OGG) Evaluation

3.2.2.1 Staffing

As shown in Table 1, HDOT and consultant staff implementing the OGG stormwater program has increased from 0.3 FTE in ACR Year 2015 to 2.6 FTE in ACR Year 2019 and is projected to decrease to and remain at 2.4 FTE for ACR Years 2020 – 2024.

According to these estimates, ACR Years 2015 – 2024 represents an increase of 0.9 HDOT FTE and 1.2 consultant FTE (a total of 2.1 FTE, an approximately 700% increase). This significant increase in staffing highlights Airports Division's commitment to compliance with their stormwater obligations.

Airports Division indicated that this projected level of staffing is sufficient to meet the current and anticipated needs of the OGG stormwater management program. However, as discussed in Section 3.2.2.4, additional staff may be needed to meet the future needs of the program from new requirements that may arise when Hawaii Administrative Rules §11-55, Appendix K (Appendix K) is adopted.

Airports Division uses the same staff for stormwater compliance at multiple airports and reallocates staff to meet needs at OGG, Daniel K. Inouye International Airport (HNL), and other airports. OGG has a full-time Environmental Health Specialist (EHS) who is responsible for the Maui District Airports but spends the majority of their time overseeing OGG stormwater management with support from HNL staff. In ACR Years 2015 – 2017, the EHS position at OGG was open/vacant for the year and in ACR Year 2019, the OGG EHS took an extended leave of absence and retired. During those times, Airports Division staff from HNL implemented tasks typically carried out by the onsite OGG EHS with assistance from a consultant contract. Airports

Division noted that using off-island consultants added challenges of timeliness and increased travel costs for the program. Additionally, the lack of a full-time EHS presence at OGG became a challenge as a designated point of contact was not readily available to answer tenant questions. The Audit Team agrees with Airports Division's determination that a more constant EHS presence at OGG would allow for increased performance toward meeting stormwater management goals.

Airports Division shared that it is difficult to hire and retain HDOT staff for their stormwater programs at OGG due to several factors, including (but not limited to) the following:

- Lower salaries than comparable positions in the private sector
- High cost of living
- Fewer qualified professionals living on the neighbor islands, as compared to Oahu
- Difficulties in recruiting out-of-state job applicants due to low salaries and inability to offer relocation assistance.

Airports Division shared that since it has been difficult to hire and retain experienced stormwater professionals, they hire staff with less than desired stormwater experience and expend resources to train this staff to meet the needs of the program. Airports Division has had significant staff turnover in various stormwater positions over the last 5 years. This turnover affects the implementation of Airports Division's stormwater programs because it often requires that individuals take on new stormwater management roles without relevant experience. To date, Airports Division has attempted to mitigate this issue by increasing reliance on consultant assistance and providing on-the-job training for new employees.

Airports Division shared that shifting more of their staffing from consultants to HDOT staff may potentially benefit their stormwater programs as there are certain tasks that only HDOT staff can complete (such as pursuing enforcement actions against tenants). Adding more HDOT staff could also increase stability and redundancy within the stormwater program. However, Airports Division shared that creating additional HDOT staff positions is a difficult and lengthy process, because it requires several steps and levels of approval, up to and including the State Legislature, a process which can take over a year.

The Audit Team has concluded that the sustainability of Airports Division's stormwater programs would be enhanced if barriers to hiring and retaining HDOT staff were reduced; for example, streamlining the hiring process and increasing salaries through a salary differential for EHS positions.

3.2.2.2 Funding and Availability of Resources

As shown in Table 2, HDOT expenditures for implementing the OGG stormwater program have increased from $12,000[2] in ACR Year 2015 to approximately $331,000 in ACR Year 2019 and are projected to increase to and remain at approximately $550,000 per year for ACR Years 2020 – 2024.

[2] Personnel cost is not included in this estimate.

According to these estimates, ACR Years 2015 – 2024 represents an increase of approximately $538,000 (an approximately 4,500% increase). This significant increase in funding highlights Airports Division's commitment to compliance with their stormwater obligations.

Airports Division indicated that this projected level of funding is sufficient to meet the current and anticipated needs of the OGG stormwater management program. However, as discussed in Section 3.2.2.4, additional funding may be needed to meet additional regulatory obligations. In 2019, Airports Division secured funding for two consultant contracts and an MS4 inspection and cleaning contract. The details of these contracts are as follows:

1. Project Number ES1946-19 was awarded on 21 December 2018 to provide environmental engineering management at HNL and OGG. Under this project, Airports Division has one FTE consultant located at OGG, alongside its EHS, to support the stormwater management program. This contract started in April 2019 and is set to expire in April 2020.

2. Project Number CS1623-12 was awarded in February 2017 to provide environmental engineering management and inspection services for statewide airports. Airports Division utilizes this contract to complete tasks for OGG and HNL.

3. Project Number BS1927-23 was awarded in June 2019 to provide inspection, maintenance, and pollution prevention of MS4 and drainage systems statewide. The contract started in July 2019.

With these three contracts executed, Airports Division reported that they can rely on the contracted personnel to complete inspection, cleaning, and tracking tasks while Airports Division staff focus on the management of the OGG stormwater program.

Airports Division noted that their existing consultant contracts are approved for the next several years. However, re-issuance of these contracts is not guaranteed and is contingent on the approval of HDOT budget requests, the contractors/consultants renewing their current contracts for the upcoming years, and Airports Division being able to advertise similar contracts upon expiration of the current contract. As noted in the staffing discussion, Airports Division reported that they rely heavily on consultants to execute their stormwater program at OGG; therefore, Airports Division's ability to re-issue these contracts in a timely manner is paramount for program execution.

3.2.2.3 Organizational Structure

Airports Division stated that their current organizational structure allows them to adapt quickly to fulfill the current needs of the OGG stormwater management program. Airports Division has not made significant changes to its organizational structure as related to the OGG stormwater management program over the past 5 years and has no plans to make changes for the next 5 years.

3.2.2.4 Storm Water Program Sustainability

An area of concern for Airports Division is the potentially forthcoming changes to DOH's industrial stormwater permits (Hawaii Administrative Rules §11-55, Appendix B). More stringent

requirements for addressing exceedances of water quality limits may require additional funding for construction and maintenance of advanced structural BMPs. The establishment of Total Maximum Daily Loads (TMDLs) for waters that receive HDOT runoff may also require additional staffing, funding, and resource requirements.

Airports Division maintains awareness of these changes by attending DOH events and communicating with DOH regulators. Airports Division personnel attended the stakeholder meetings for the proposed rules drafted for Appendix K based on the EPA's 2016 Final Rule to address partial remand of Phase II stormwater regulations, as related to the OGG Small MS4 Permit. In February 2018, Airports Division met with DOH regarding Appendix K permits. At this meeting, DOH informed Airports Division that the Appendix K permit is being reviewed by the DOH Attorney General and will be re-issued in 1 year or more. DOH shared that no other Small MS4 permittees had started their two-step process with DOH.

3.2.3 Daniel K. Inouye International Airport (HNL) Evaluation

3.2.3.1 Staffing

As shown in Table 1, HDOT and consultant staff implementing the HNL stormwater program has increased from 2.7 FTE in ACR Year 2015 to 10.9 FTE in ACR Year 2019 and is projected to increase to and remain at approximately 17.6 FTE for ACR Years 2020 – 2024.

According to these estimates, ACR Years 2015 – 2024 represents an increase of 0.5 HDOT FTE and 14.4 consultant FTE (a total of 14.9 FTE, an approximately 552% increase). This significant increase in staffing highlights Airports Division's commitment to compliance with their stormwater obligations.

Airports Division indicated that that this projected level of staffing is sufficient to meet the current and anticipated needs of the HNL stormwater management program. However, as discussed in Section 3.2.3.4, additional staff may be needed to meet the future needs of the program from new requirements that may arise when DOH provides the next draft of the HNL Small MS4 Permit (the current permit is administratively extended) or when new TMDLs are developed.

Airports Division uses the same staff for stormwater compliance at multiple airports and reallocates staff to meet needs at OGG, HNL, and other airports. In November 2016, the Airports Division Supervisor in charge of the HNL and OGG stormwater programs abruptly left HDOT, and since then, there has been a 100% personnel turnover. In ACR Years 2017 - 2019, several positions were open/vacant for a portion of each year. To address this, Airports Division hired one new EHS in ACR Year 2017, hired a temporary Engineer and a full-time Engineer in ACR Year 2018 and hired three new EHS in ACR Year 2019. Airports Division also addressed these vacancies by utilizing consultants to implement the stormwater program.

Airports Division meets the current needs of the HNL stormwater management program with the support of consultant contracts. However, additional dedicated HDOT staff would provide Airports Division the flexibility to adjust to a fluctuating workload and cover duties during extended absences. Airports Division plans to request one more full-time Engineer position to perform stormwater tasks related to the increasing number of airport construction projects statewide.

Airports Division shared that since it has been difficult to hire and retain experienced stormwater professionals, they hire staff with less than desired stormwater experience and expend resources to train this staff to meet the needs of the program. Airports Division has had significant staff turnover in various stormwater positions over the last 5 years. This turnover affects the implementation of Airports Division's stormwater programs because it often requires that individuals take on new stormwater management roles without relevant experience. To date, Airports Division has attempted to mitigate this issue by increasing reliance on consultant assistance and providing on-the-job training for new employees.

Airports Division shared that shifting more of their staffing from consultants to HDOT staff may potentially benefit their stormwater programs as there are certain tasks that only HDOT staff can complete (such as pursuing enforcement actions against tenants). Adding more HDOT staff could also increase stability and redundancy within the stormwater program. However, Airports Division shared that creating additional HDOT staff positions is a difficult and lengthy process, because it requires several steps and levels of approval, up to and including the State Legislature, a process which can take over a year.

The Audit Team has concluded that the sustainability of Airports Division's stormwater programs would be enhanced if barriers to hiring and retaining HDOT staff were reduced; for example, streamlining the hiring process and increasing salaries through a salary differential for EHS positions.

3.2.3.2 Funding and Availability of Resources

As shown in Table 2, HDOT expenditures for implementing the HNL stormwater program have increased from $810,000[3] in ACR Year 2015 to approximately $2.5 million[4] in ACR Year 2019 and are projected to increase to and remain at approximately $5.3[5] million per year for ACR Years 2020 – 2024.

According to these estimates, ACR Years 2015 – 2024 represents an increase of approximately $4.5 million (an approximately 554% increase). This significant increase in funding highlights Airports Division's commitment to compliance with their stormwater obligations.

Airports Division indicated that this projected level of funding is sufficient to meet the current and anticipated needs of the HNL stormwater management program. However, as discussed in Section 3.2.3.4 below, additional funding may be needed to meet additional regulatory obligations. In 2019, Airports Division secured funding for two consultant contracts and an MS4 inspection and cleaning contract. The details of these contracts are as follows:

1. Project Number ES1946-19 was awarded on 21 December 2018 to provide environmental engineering management at HNL and OGG. Under this project, Airports Division has one FTE consultant located at HNL, alongside its EHSs, and a total of 14.8 FTE consultants to support the HNL stormwater management program. This contract started in April 2019 and is set to expire in April 2020.

[3] Only Airports Division personnel costs included.
[4] Personnel cost does not include benefit multiplier
[5] Only Airports Division personnel costs included.

2. Project Number CS1623-12 was awarded in February 2017 to provide environmental engineering management and inspection services for statewide airports. Airports Division occasionally utilizes this contract to complete tasks for OGG and HNL.

3. Project Number BS1927-23 was awarded in June 2019 to provide inspection, maintenance, and pollution prevention of MS4 and drainage systems statewide. The contract started in July 2019.

With the three contracts executed, Airports Division reported that they can rely on the contracted personnel to complete inspection, cleaning, and tracking tasks while Airports Division staff focus on the management of the HNL stormwater program.

Airports Division noted that their existing consultant contracts are approved for the next several years. However, re-issuance of these contracts is not guaranteed and is contingent on the approval of HDOT budget requests, the contractors/consultants renewing their current contracts for the upcoming years, and Airports Division being able to advertise similar contracts upon expiration of the current contract. As noted in the staffing discussion, Airports Division reported that they rely heavily on consultants to execute their stormwater program at HNL; therefore, Airports Division's ability to re-issue these contracts in a timely manner is paramount for program execution.

3.2.3.3 Organizational Structure

Airports Division has not made significant changes to its organizational structure related to the HNL stormwater management program over the past 5 years. Airports Division has requested to initiate a reorganization within the next 5 years for one full-time Engineer position to assist with the increasing construction projects statewide. Airports Division is currently waiting for approval by HDOT to initiate the reorganization. If approved, Airports Division plans to proceed with the formal reorganization request, which will need approval from HDOT, the State of Hawaii Department of Human Resources Development, and the Hawaii State Legislature; however, this may not be completed within the next 5 years.

3.2.3.4 Storm Water Program Sustainability

An area of concern for Airports Division is the potentially forthcoming changes to DOH's industrial stormwater permits. More stringent requirements for addressing exceedances of water quality limits may require additional funding for construction and maintenance of advanced structural BMPs. The establishment of TMDLs for waters that receive HDOT runoff may also bring additional staffing, funding, and resource requirements.

Airports Division maintains awareness of these changes by attending DOH events and communicating with DOH regulators. In February 2019, Airports Division received the HNL Small MS4 Draft Permit for its review and subsequently met with DOH regarding its comments on the Draft Permit, the schedule of the Permit issuance, and the status of the administrative extension of its Small MS4 permit. In March 2019, Airports Division submitted its comments on the HNL Small MS4 Draft Permit to DOH. In August 2019, Airports Division was informed that the HNL Small MS4 permit is being significantly revised to include benchmarks for sampling. DOH also notified the Airports Division that they can expect to receive the HNL Small MS4 Draft Permit, including the significant revisions, in 2020.

One important element of stormwater program sustainability is adaptive management through identifying program elements that may be outmoded or ineffective. Airports Division identified several such items in their permit reapplication, including (but not limited to):

- Requesting to remove reference to outreach for neighboring businesses since the City and County of Honolulu already targets these businesses. Airports Division can utilize its resources from this reduced outreach to meet other MS4 program requirements.
- Requesting to remove storm drain stenciling events, citizen watch groups, and Adopt-A-Storm Drain program since Airports Division has deemed it unsafe to have public watch the airport or mark storm drains at airport properties. Airports Division can utilize its resources from this reduced coordination for storm drain stenciling events, citizen watch groups, and Adopt-A-Storm Drain program to meet other MS4 program requirements.
- Requesting to remove annual survey of Oahu residents to measure both behavior and knowledge relating to stormwater because of the significant resources need to survey Oahu residents and low return on investment for Airport Division. Airports Division can utilize its resources from this reduced annual survey of Oahu to meet other MS4 program requirements.

3.2.4 Highways Oahu District (HWY-O) Evaluation

3.2.4.1 Staffing

As shown in Table 1, HDOT and consultant staff implementing the HWY-O stormwater program has been and is projected to be stable at 45 to 52 FTE for ACR Years 2015 – 2024[6]. Approximately 25% of the staff are HDOT FTE, with the remainder being consultant FTE. This relatively large and stable staffing resource highlights Highways Division's ongoing commitment to compliance with their stormwater obligations.

HWY-O indicated that this projected level of staffing is sufficient to meet the current and anticipated needs of the HWY-O stormwater management program. However, as discussed in Section 3.2.4.4, additional staff may be needed to meet additional regulatory obligations.

HWY-O shared that support from HWY-O's various sections enables HWY-O to quickly adjust to program needs, provides sufficient redundancy in tasks, and facilitates communication. HWY-O staff highlighted their efforts towards succession planning within their stormwater program. HWY-O has invested in developing standard operating procedures, checklists, and forms in the interest of capturing and documenting the working knowledge of key staff.

3.2.4.2 Funding and Availability of Resources

As shown in Table 2, HDOT expenditures for implementing the HWY-O stormwater program have decreased from $20.8 million in ACR Year 2015 to approximately $18.5 million in ACR

[6] The reported number of HDOT staff does not include support provided by other sections outside of HWY-O within the Highways Division. The number of projected staff was estimated based on the average FTE staff calculated from the previous 6 years.

Year 2019 and are projected to decrease to and remain at approximately $15.7 million per year for ACR Years 2020 – 2024[7].

HWY-O noted that this apparent decrease in expenditures does not reflect a decrease in effort or resources in implementing the HWY-O stormwater program. HWY-O's annual expenditures vary due to the cyclical nature of Capital Improvement Project funding and inconsistency of Special Maintenance Project funding utilized for stormwater projects. With the multiple sources of funding available, HWY-O utilizes Capital Improvement Project funds for priority projects such as those required for the waste load allocation schedules of compliance, the Action Plan for Retrofitting Structural BMPs, and the implementation schedule for permanent erosion control improvements. When Special Maintenance Project funds become available, this allows HWY-O to accelerate its implementation schedule.

HWY-O indicated that this projected level of funding is sufficient to meet the current and anticipated needs of the HWY-O stormwater management program. However, as discussed in Section 3.2.4.4, additional funding may be needed to meet additional regulatory obligations.

3.2.4.3 Organizational Structure

HWY-O has not made significant changes to its organizational structure as related to the HWY-O stormwater management program over the past 5 years and has no plans to make changes for the next 5 years. HWY-O shared that their current organizational structure provides appropriate support and oversight along with adequate redundancy for the current needs of their stormwater program. HWY-O reported that their stormwater program is a District-wide program and buy-in from the District's various sections enables HWY-O to quickly adjust to program needs, provides sufficient redundancy in tasks, allows for succession planning, and facilitates communication.

3.2.4.4 Storm Water Program Sustainability

HWY-O is cognizant of future permit requirements, but it cannot fully anticipate future regulatory obligations (e.g., industrial requirements, new TMDLs issued, etc.) and it is therefore, difficult to assess whether a significant increase in funding or staffing will be required over the next 5 years. HWY-O continues to have a collaborative relationship with DOH. HWY-O has had numerous interactions with DOH related to the issuance of the TMDL for the Waikele Watershed. These interactions took place from July 2018 through the approval of the TMDL in May 2019. More recently, HWY-O has corresponded with DOH regarding the status of its MS4 Permit.

One important element of stormwater program sustainability is adaptive management through identifying program elements that may be outmoded or ineffective. HWY-O identified several such items and has proposed such changes to DOH during its permit reapplication and in subsequent interactions with DOH. An example of such an item follows:

- Regarding implementation of stormwater pollution control plans, HWY-O requested to remove the reference to yard foreman since HWY-O does not have this position in its

[7] This cost does not include support provided by other sections within the Highways Division.

organization chart. This allows for more flexibility in identifying who is the responsible individual. Additionally, HWY-O feels it is unrealistic to expect that the responsible individual will be trained to collect stormwater samples and analyze for field parameters. Therefore, HWY-O proposes identifying a designated representative, who will be performing these activities, to be trained.

3.2.5 Highways Maui District (HWY-M) Evaluation

3.2.5.1 Staffing

As shown in Table 1, HDOT and consultant staff implementing the HWY-M stormwater program has been stable at an average of 5 FTE in ACR Years 2015 – 2019 and is projected to increase to and remain at 11 FTE in ACR Years 2020 - 2024.

According to these estimates, ACR Years 2015 – 2024 represents an increase of approximately 4 HDOT FTE and 2 consultant FTE (a total of 6 FTE, an approximately 120% increase). This significant increase in staffing highlights Highways Maui District's commitment to compliance with their stormwater obligations.

HWY-M indicated that this projected level of staffing is sufficient to meet the current and anticipated needs of the HWY-M stormwater management program. However, as discussed in Section 3.2.5.4, additional staff may be needed to meet additional regulatory obligations.

In ACR Years 2017 – 2019, HWY-M had six open/vacant positions. HWY-M reported that prior to 2019 they relied on a consultant to develop and execute their stormwater program. HWY-M reported that it was challenging to give the consultant sufficient guidance and direction without dedicated HDOT staff. In 2017, an Environmental Management Section (EMS) was created and HDOT positions within the EMS were approved. A Program Engineer was hired in February 2019 to oversee stormwater management compliance as one of their primary duties. Along with the Program Engineer, the EMS includes staff who will assist with stormwater management compliance. Four out of the five EMS positions were recently filled.

Recently, HWY-M has contracted a new consultant to provide environmental consulting services to support its stormwater program. This contract commenced on 31 October 2019. The consultant is expected to assign staff who will be dedicated to assist HWY-M with its stormwater management program.

3.2.5.2 Funding and Availability of Resources

As shown in Table 2, HDOT expenditures for implementing the HWY-M stormwater program have increased from $983,000 in ACR Year 2015 to approximately $1.2 million[8] in ACR Year 2019 and is projected to increase to and remain at approximately $3.3 million per year for ACR Years 2020 – 2024.

[8] Values were provided for January 2019 - September 2019 ($926,000). For report comparison purposes, the Audit Team assumed that October - December 2019 expenditures would be similar to January - September 2019 expenditures; therefore, this value was increased by $309,000 to $1,235,000 for 2019.

According to these estimates, ACR Years 2015 – 2024 represents an increase of approximately $2.3 million (an approximately 236% increase). This significant increase in funding highlights HWY-M's commitment to compliance with their stormwater obligations.

HWY-M indicated that this projected level of funding is sufficient to meet the current and anticipated needs of the HWY-M stormwater management program. However, as discussed in Section 3.2.5.4, additional funding may be needed to meet additional regulatory obligations.

3.2.5.3 Organizational Structure

HWY-M has made significant changes to its organizational structure related to its stormwater management program over the past 5 years. Specifically, HWY-M has created an EMS that includes a Program Engineer, who is supported by three Engineer positions and two Inspector positions. The EMS was created in 2017, and five out of the six positions were recently filled. HWY-M does not have plans to make any changes to the stormwater management program's organizational structure within the next 5 years. With the recent reorganization to include the Environmental Management Section, HWY-M finds that their organizational structure is effective for the current needs of their stormwater management program.

3.2.5.4 Storm Water Program Sustainability

HWY-M reported that they are not aware of specific new permit or regulatory obligations over the next 5 years. However, if a TMDL is assigned to Kahului, it could result in the need to increase funding to meet the associated compliance requirements. Further, when Appendix K is finalized, it may result in additional or stricter requirements that may require an increase in funding and/or staffing.

HWY-M reported that they have not had any interactions recently with DOH with respect to anticipated changes in future stormwater permits for HWY-M. The Audit Team recommends that HWY-M initiate and maintain a regular working relationship with DOH to better anticipate future changes to HWY-M's stormwater permit in order to anticipate resources that will be needed to meet their permit requirements.

HWY-M has recently contracted a new consultant to provide environmental consulting services to support its MS4 program. HWY-M and the consultant will work together to evaluate the current program to identify stormwater management activities that may be outmoded, ineffective, insufficient, or excessively burdensome.

3.2.6 Harbors Division (HAR) Evaluation

3.2.6.1 Staffing

As shown in Table 1, HDOT and consultant staff implementing the HAR stormwater program has been stable at 6 to 8 FTE in ACR Years 2015 – 2019 and is projected to be 6 FTE in ACR Years 2020 - 2024. Approximately 75% are HDOT FTE, with the remainder being consultant FTE. This stable staffing resource highlights HAR's ongoing commitment to compliance with their stormwater obligations.

HAR indicated that this projected level of staffing is sufficient to meet the current and anticipated needs of the HAR stormwater management program. However, as discussed in Section 3.2.6.4, additional staff may be needed to meet additional regulatory obligations.

With the recent retirement of HAR's Engineering Branch Environmental Section Head, HAR is actively reorganizing to fill this vacancy with a permanent civil service position. Meanwhile, an engineer has been temporarily assigned to the Section Head position to carry on the implementation of the program.

HAR is currently reorganizing its Engineering Branch Environmental and Planning Sections to create positions needed to support the environmental program. The CD required that HAR develop and maintain an Asset Management System (AMS) / Geographic Information System (GIS) capable of generating and tracking work orders for inspection, cleaning, and other maintenance. To support that requirement, to date HAR has utilized an Exempt Contract position which was originally authorized in 2008 but has since been extended. In order to sustain the AMS/GIS system, HAR reported that they need to create a permanent HDOT civil service position to support the full implementation of the AMS/GIS functions.

Additional staffing is needed for a permanent GIS/AMS Manager and Office Assistant to maintain a reliable GIS/AMS system. The Audit Team agrees that the sustainability of the HAR stormwater program would be enhanced if the AMS/GIS Manager and Office Assistant permanent positions were to be created and the reorganization of the Engineering Branch Environmental and Planning Sections were to be completed.

3.2.6.2 Funding and Availability of Resources

As shown in Table 2, HDOT expenditures for implementing the HAR stormwater program has increased from approximately $1.1 million in ACR Year 2015 to approximately $1.9 million in ACR Year 2019 and are projected to increase to and remain at approximately $2.1 million per year for ACR Years 2020 – 2024.

According to these estimates, ACR Years 2015 – 2024 represents an increase of approximately $1 million (an approximately 90% increase). This significant increase in funding highlights HAR's commitment to compliance with their stormwater obligations.

HAR's indicated that this projected level of funding is sufficient to meet the current and anticipated needs of the HAR stormwater management program. However, as discussed in Section 3.2.6.4, additional funding may be needed to meet additional regulatory obligations.

3.2.6.3 Organizational Structure

HAR has made significant changes to its organizational structure related to its stormwater management program over the past 5 years. Since the settlement of the CD, new positions have been authorized by the Hawaii State Legislature and positions have been administratively assigned to the Environmental Section and Planning Section under HAR. The Engineering Branch is in the process of permanently establishing positions by way of position reorganization. Also, as prescribed by the injunctive relief, the former Office of Special Compliance has been reorganized as an Office of Environmental Compliance, with a central point position managing this office under the direct supervision of the HDOT Director. HAR has been able to complete

the prescribed requirements listed under the CD through distributing appropriate tasks between HAR offices/sections and consultants.

3.2.6.4 Storm Water Program Sustainability

HAR is cognizant of future permit requirements but cannot fully anticipate future regulatory obligations. Therefore, it is difficult for HAR to assess whether a significant increase in funding or staffing will be required over the next 5 years. HAR is aware that DOH is currently in the process of revising its rules relating to Appendix K. HAR attended one of the several public briefings on the new rules held by DOH in August 2016. Subsequently, HAR attended several stakeholder meetings in October and December 2016 and July 2017.

One important element of stormwater program sustainability is adaptive management through identifying program elements that may be outmoded or ineffective. Examples of such items identified by HAR include, but are not limited to, the following:

- Public Education and Outreach – "Ensure the number of visitors to HAR's stormwater management webpage has increased from the previous year." As part of the ongoing modernization of Honolulu Harbor, tenants (potential web visitors) at certain areas were required to move out, resulting in a decrease of the total number of tenants at Honolulu Harbor over the past few years. This tenant reduction has made it challenging to increase the number of web visitors to the HAR stormwater website. HAR plans to evaluate and propose a more feasible and effective method to replace this measurable goal.

- An example where HAR's program success created an outmoded measurable goal under Public Education and Outreach is "Annually increasing number of inquiries and reports received." Through years of successfully implementing awareness through the stormwater outreach program to both HAR employees and tenants at Honolulu Harbor and Kalaeloa Barbers Point Harbor, the total number of recorded illicit discharges has started to decline. This is attributed to the success of HAR's stormwater training program. HAR plans to evaluate and propose a more feasible and effective method to replace this measurable goal.

HAR reported that they continue to evaluate and improve their program efficiency based on the information and feedback summarized in their AMS and ACR. For example, following the completion of each round of stormwater awareness training, HAR routinely evaluates the feedback received, assesses the effectiveness of different training techniques, and then implements new methods or focal points to further improve the content of the training and/or messaging delivery. The results of clear and concise messaging results in less misunderstanding and clearer objectives which reduce the amount of time and effort an inspector needs to inspect the stormwater program. The time and effort saved can then be allocated to manage other environmental components.

3.3 Best Practices and Opportunities (CD Appendix A Section D.7.d.)

CD Appendix A Section D.7.d. requires an identification of best practices and opportunities for information/technology transfer that may be beneficial to other Divisions.

The Audit Team noted several best practices during this PEAR that may be beneficial throughout HDOT, including:

1. **Detailed Time Tracking**. Some HDOT permittees have implemented a program where staff fill out timesheets allowing managers to track the time spent on stormwater-related tasks. The Audit Team understands that not all permittees are equipped to implement similar processes for tracking stormwater-related time. Notwithstanding the difficulties in implementing such a system, the Audit Team recommends that all permittees develop the capability to track staff time related to their stormwater efforts. This would help support HDOT's adaptive management efforts.

2. **Maintaining Management-Level Awareness of the Stormwater Program**. Some HDOT permittees hold regular meetings with HDOT administration (Director and Deputy Director level) to update them on forthcoming regulatory changes (for example, TMDLs) which may impact staffing or funding needs. The Audit Team recommends that all permittees do so, as advanced notice of forthcoming changes will allow HDOT administration to prepare for potential increases in staffing and funding.

3. **Maintaining Dialogue with DOH.** Most HDOT permittees maintain working dialogue with DOH to stay abreast of forthcoming regulatory changes that may impact HDOT stormwater programs. It would be advantageous for the Office of Environmental Compliance to organize and coordinate with all HDOT stormwater permit holders and DOH, partnering to provide an overarching stormwater program that is consistent and effective. Regular HDOT stormwater gatherings such as the Protect Our Water Conference can facilitate discussion of shared experiences and concerns throughout the department.

4. **Succession Planning**. HWY-O staff emphasized their efforts towards succession planning within their stormwater program. HWY-O has invested in developing standard operating procedures, checklists, and forms to capture and document the working knowledge of key staff. This best practice should be implemented department wide, because it could also reduce difficulties when there is staff turnover.

3.4 Retrospective Analysis (CD Appendix A Section D.7.b.)

CD Appendix A Section D.7.b. requires a retrospective analysis of program activities that may be outmoded, ineffective, insufficient, or excessively burdensome, and recommendations to modify, streamline, or expand them in accordance with what has been learned. Such activities, if identified, have been presented in Sections 3.2.2.4, 3.2.3.4, 3.2.4.4, 3.2.5.4, and 3.2.6.4 of this report.

3.5 Implementation (CD Appendix A Section D.7.e)

CD Appendix A Section D.7.e. requires an analysis of the practices implemented for each Division's program elements and a determination as to whether identified best practices can be universally implemented across all three Divisions. If best practices cannot be universally implemented, this section describes identified impediments.

In Sections 3.2 through 3.4, the Audit Team has identified several recommendations where best practices may be universally implemented. For HDOT staff to champion such implementation from within the organization, the Audit Team believes that a compelling case must be made for why the proposed changes will lead to improvements in compliance. Absent that compelling case, HDOT staff may understandably maintain that their time and attention should remain focused on implementing their current programs.

3.6 Positive Program Elements

HDOT staff were helpful and cooperative in responding to requests for information and scheduling and coordinating interviews. HDOT staff were receptive to MS4 Permit Audit findings shared to date and interested in improving their stormwater programs. The Audit Team identified the following positive program elements during the development of this PEAR:

- Airports Division implements their stormwater program at all 15 airports under their responsibility, not just airports that currently have municipal stormwater permits (OGG and HNL).

- Highways, Harbors, and Airports Divisions collaborate to produce the annual Protect Our Water Conference. This conference and the meetings that precede it offer an effective way to share ideas among the Divisions. The creation of the HDOT Office of Environmental Compliance has also furthered the sharing of ideas among Divisions.

- HDOT management at the Director and Deputy Director level are supportive of departmental efforts to implement stormwater programs. This has been critical for program success.

Appendix A

Project Milestones and Deadlines

Appendix A: PEAR 6 Project Milestones and Deadlines

Appendix A of the Consent Decree (CD) defines various project milestones and deadlines, described for ease of reference below:

Program Element	Evaluation Complete: [a]	Draft PEAR to HDOT: [b]	HDOT Review of Draft PEAR: [c]	Final PEAR to HDOT: [d]
PEAR 6: Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability	33 Months (990 Days)[e] After AWPC[f] 30 November 2019	1035 Days After AWPC 14 January 2020	1065 Days After AWPC 13 February 2020	1110 Days After AWPC 29 March 2020

Notes:

(a) For Program Element Audit Report (PEAR) 6, no onsite evaluation is required and therefore, "evaluation" is defined to represent the date of conclusion of the Records Review period.
(b) Pursuant to CD Appendix A Section D.2., Kennedy/Jenks Consultants, Inc. completed a draft audit report and transmitted it to State of Hawaii Department of Transportation (HDOT) within 45 days of completing the audit of this program element [defined as the conclusion of "evaluation", as discussed in Note (a)].
(c) Pursuant to CD Appendix A Section D.3., HDOT reviewed the draft PEAR to correct factual inaccuracies within 30 days of receipt.
(d) Pursuant to CD Appendix A Section D.4., Kennedy/Jenks Consultants, Inc. completed a final PEAR within 120 days of completing the audit of the program element [defined as the conclusion of "evaluation", as discussed in Note (a)].
(e) "Months" are based on a 30-day month.
(f) AWPC = Audit Work Plan Commencement (15 March 2017)

Milestone	Date Completed
Notice of Audit	11 September 2019
Records Request	18 – 24 September 2019
Response to Records Request	28 October 2019 – 1 November 2019
Request for Clarifications	13 November 2019
Interviews	3 - 6 December 2019
Draft PEAR to HDOT PM	13 January 2020
MS4 Permit Coordinator Comments to HDOT PM	TBD
HDOT PM Comments to Audit Team	TBD
Final PEAR to HDOT PM	TBD

Notes:

PM = project manager
EPA = United States Environmental Protection Agency
DOH = State of Hawaii Department of Health
MS4 = Municipal Separate Storm Sewer System

Appendix B1

Permit-Specific Information – Kahului Airport

Appendix B1: Permit-Specific Information – Kahului Airport

1. Key Documents

Permit / Document	1. Kahului Airport Small MS4 Permit HI 14KE349
2014 Annual Report	20150116.Contents of CD for Compliance Submission of Reports and Documents-HI14KE349.PDF
2015 Annual Report	20160126.Contents of CD for Compliance Submission of Reports and Documents-HI14KE349.pdf
2016 Annual Report	20170127.Contents of CD for Compliance Submission of Reports and Documents-HI14KE349.PDF
2017 Annual Report	20180126.Contents of CD-Reports & docuemnts-HI 14KE349_Part2.pdf 20180126.Contents of CD-Reports & docuemnts-HI 14KE349_Part3.pdf
2018 Annual Report	2018 OGG ACR-v1.pdf
Permit	OGG-MS4-permit-20140721.14KE349.FNL_.14 OGG-NGPC-Appendix-K-Permit-Extension-14KE349.EXT_.16
Memorandum of Understanding Between Department of Transportation State of Hawaii and Department of Health State of Hawaii	MOU Between AIR and DOH.pdf
State Union BU13 Salary Schedule	2018 7-1 Unit 13 salary schedule.pdf
State of Hawaii Department of Transportation Airports Division Organization Charts June 30, 2018	Org Charts AIR 2018.pdf

2. Sections of Key Documents Found Relevant for PEAR 6

Document Name ***(Original File Name)***	**Sections/Pages Relevant to PEAR 6**
2014 Annual Report *(20150116.Contents of CD for Compliance Submission of Reports and Documents-HI14KE349.PDF)*	Part V
2015 Annual Report *(20160126.Contents of CD for Compliance Submission of Reports and Documents-HI14KE349.pdf)*	Part V
2016 Annual Report *(20170127.Contents of CD for Compliance Submission of Reports and Documents-HI14KE349.PDF)*	Part V
2017 Annual Report *(20180126.Contents of CD-Reports & docuemnts-HI 14KE349_Part2.pdf* *20180126.Contents of CD-Reports & docuemnts-HI 14KE349_Part3.pdf)*	Section 2.2-2.4, 2.6
2018 Annual Report *(2018 OGG ACR-v1.pdf)*	Section 4
Permit *(OGG-MS4-permit-20140721.14KE349.FNL_.14, OGG-NGPC-Appendix-K-Permit-Extension-14KE349.EXT_.16)*	In entirety
Memorandum of Understanding Between Department of Transportation State of Hawaii and Department of Health State of Hawaii *(MOU Between AIR and DOH.pdf)*	In entirety
State Union BU13 Salary Schedule *(2018 7-1 Unit 13 salary schedule.pdf)*	In entirety
State of Hawaii Department of Transportation Airports Division Organization Charts June 30, 2018 *(Org Charts AIR 2018.pdf)*	In entirety

3. On-Site Evaluation

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

4. On-Site Evaluation Photos

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

5. Potential Violations

No Potential Violations were identified by the Audit Team for this permit.

6. Deficiencies

No Deficiencies were identified by the Audit Team for this permit.

Appendix B2

Permit-Specific Information – Daniel K. Inouye International Airport

Appendix B2: Permit-Specific Information – Daniel K. Inouye International Airport

1. Key Documents

Permit / Document	2. Daniel K. Inouye International Airport Individual Permit HI S000005
2013-2014 Annual Report	20140825.Contents of CD for Compliance Submission of Reports and Documents Part 1 of 2-HIS000005.pdf
2014-2015 Annual Report	20150903.Contents of CD for DMR for July 1, 2014-June 30, 2014 and July 1, 2014-June 30, 2015 and Annual Report-HIS000005_Part1.pdf
2015-2016 Annual Report	20160909.Compliance Submission of Reports and Documents-HIS000005_Part1.pdf
2016-2017 Annual Report	20170901.Transmittal-Certification for Reports and Documents-HI S000005.pdf
2017-2018 Annual Report	HNL ACR_2017-18-v1.pdf
2018-2019 Annual Report	HNL Annual Report_2018-19-v2.pdf
Permit	HNL MS4 Permit.pdf 2. 20190301.HI S000005.EXT.19.pdf
SWMPP	SWMPP Introduction_August 2019-v2 SWMPP-Section[A-H].pdf

2. Sections of Key Documents Found Relevant for PEAR 6

Document Name ***(Original File Name)***	**Sections/Pages Relevant to PEAR 6**
2013-2014 Annual Report *(20140825.Contents of CD for Compliance Submission of Reports and Documents Part 1 of 2-HIS000005.pdf)*	Part II Part V
2014-2015 Annual Report *(20150903.Contents of CD for DMR for July 1, 2014-June 30, 2014 and July 1, 2014-June 30, 2015 and Annual Report-HIS000005_Part1.pdf)*	Part II Part V
2015-2016 Annual Report *(20160909.Compliance Submission of Reports and Documents-HIS000005_Part1.pdf)*	Part II Part V
2016-2017 Annual Report *(20170901.Transmittal-Certification for Reports and Documents-HI S000005.pdf)*	Part II Part V
2017-2018 Annual Report *(HNL ACR_2017-18-v1.pdf)*	Section 1.4 Section 2
2018-2019 Annual Report *(HNL Annual Report_2018-19-v2.pdf)*	Section 2
Permit *(HNL MS4 Permit.pdf, 2. 20190301.HI S000005.EXT.19.pdf)*	In entirety
SWMPP *(SWMPP Introduction_August 2019-v2,SWMPP Section [A-H].pdf)*	SWMPP Section 3 SWMPP Section 6 SWMPP Attachment VI (Program Effectiveness Strategy) SWMPP Sections A, B, C, E, F, G - Section 1 SWMPP Section H, Section 4.3

3. On-Site Evaluation

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

4. On-Site Evaluation Photos

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

5. Potential Violations

No Potential Violations were identified by the Audit Team for this permit.

6. Deficiencies

No Deficiencies were identified by the Audit Team for this permit.

Appendix B3

Permit-Specific Information – Honolulu Harbor

1. Key Documents

Permit / Document	3. Honolulu Harbor Small MS4 Permit HI 03KB482
2014 Annual Report	2014_HarborsACR1a.pdf
2015 Annual Report	2015_HDOTHarborsACR1.pdf
2016 Annual Report	2016_HarborsACR_Complete.pdf
2017 Annual Report	2017_HarborsACR_Final-Complete.pdf
2018 Annual Report	DOT-HAR_2018ACR_Complete.pdf
Permit	20161202.03KB482.EXT.16.pdf
Memorandum of Agreement between Department of Transportation, Harbors Division State of Hawaii And Department of Health State of Hawaii Regarding Violations for Escalated Enforcement	MOA- Harbors.pdf
SWMPP	Final-SWMP-150325.pdf

2. Sections of Key Documents Found Relevant for PEAR 6

Document Name ***(Original File Name)***	**Sections/Pages Relevant to PEAR 6**
2014 Annual Report *(2014_HarborsACR1a.pdf)*	Part III Part V
2015 Annual Report *(2015_HDOTHarborsACR1.pdf)*	Pat II Part V
2016 Annual Report *(2016_HarborsACR_Complete.pdf)*	Part V
2017 Annual Report *(2017_HarborsACR_Final-Complete.pdf)*	Section 2 Section 4
2018 Annual Report *(DOT-HAR_2018ACR_Complete.pdf)*	Section 2 Section 4
Permit (*20161202.03KB482.EXT.16.pdf)*	In entirety
Memorandum of Agreement between Department of Transportation, Harbors Division State of Hawaii And Department of Health State of Hawaii Regarding Violations for Escalated Enforcement (*MOA- Harbors.pdf)*	In entirety
SWMPP (*Final-SWMP-150325.pdf*)	Section 1 Attachment 1 Storm Sewer System Operation & Maintenance Program

3. On-Site Evaluation

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

4. On-Site Evaluation Photos

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

5. Potential Violations

No Potential Violations were identified by the Audit Team for this permit.

6. Deficiencies

No Deficiencies were identified by the Audit Team for this permit.

Appendix B4

Permit-Specific Information – Kalaeloa Barbers Point Harbor

Appendix B4: Permit-Specific Information – Kalaeloa Barbers Point Harbor

1. Key Documents

Permit / Document	4. Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB482
2014 Annual Report	2014_HarborsACR1a.pdf
2015 Annual Report	2015_HDOTHarborsACR1.pdf
2016 Annual Report	2016_HarborsACR_Complete.pdf
2017 Annual Report	2017_HarborsACR_Final-Complete.pdf
2018 Annual Report	DOT-HAR_2018ACR_Complete.pdf
Permit	20161202.03KB488.EXT.16.pdf
Memorandum of Agreement between Department of Transportation, Harbors Division State of Hawaii And Department of Health State of Hawaii Regarding Violations for Escalated Enforcement	MOA- Harbors.pdf
SWMPP	Final-SWMP-150325.pdf

2. Sections of Key Documents Found Relevant for PEAR 6

Document Name ***(Original File Name)***	**Sections/Pages Relevant to PEAR 6**
2014 Annual Report *(2014_HarborsACR1a.pdf)*	Part III Part V
2015 Annual Report *(2015_HDOTHarborsACR1.pdf)*	Pat II Part V
2016 Annual Report *(2016_HarborsACR_Complete.pdf)*	Part V
2017 Annual Report *(2017_HarborsACR_Final-Complete.pdf)*	Section 2 Section 4
2018 Annual Report *(DOT-HAR_2018ACR_Complete.pdf)*	Section 2 Section 4
Permit (*20161202.03KB488.EXT.16.pdf)*	In entirety
Memorandum of Agreement between Department of Transportation, Harbors Division State of Hawaii And Department of Health State of Hawaii Regarding Violations for Escalated Enforcement (*MOA- Harbors.pdf)*	In entirety
SWMPP (*Final-SWMP-150325.pdf*)	Section 1 Attachment 1 Storm Sewer System Operation & Maintenance Program

Appendix B4: Permit-Specific Information – Kalaeloa Barbers Point Harbor

3. On-Site Evaluation

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

4. On-Site Evaluation Photos

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

5. Potential Violations

No Potential Violations were identified by the Audit Team for this permit.

6. Deficiencies

No Deficiencies were identified by the Audit Team for this permit.

Appendix B5

Permit-Specific Information – Highways Maui District

Appendix B5: Permit-Specific Information – Highways Maui District

1. Key Documents

Permit / Document	5. Maui District Small MS4 Permit HI 15KE674
2014 Annual Report	20150128.Contents of CD for Annual Report 2014-HI14KE352.pdf
2017 Annual Report	Annual_Report_2017_HDOTMauiSWMP-WAtt.pdf
2018 Annual Report	Annual_Report_2018-HDOTMauiSWMP-WAtt.pdf
Permit	NGPC2015-04-02HI15KE674.pdf 20161122 NGPC Extension HI 15KE674 EXT 16.pdf
SWMPP	Maui-Storm-Water-Managment-Plan-Dec-2016.pdf Plus Appendices
Memorandum of Understanding Between Highways Division and Harbors Division	MOU HWY & HAR 8-7-15.pdf

2. Sections of Key Documents Found Relevant for PEAR 6

Document Name ***(Original File Name)***	**Sections/Pages Relevant to PEAR 6**
2014 Annual Report	Table 1 Section 2.4 Section 5
2017 Annual Report	Section 6
2018 Annual Report *(Annual_Report_2018-HDOTMauiSWMP-WAtt.pdf)*	Section 2.3
Permit (*NGPC2015-04-02HI15KE674.pdf, 20161122 NGPC Extension HI 15KE674 EXT 16.pdf)*	In entirety
SWMPP (*Maui-Storm-Water-Managment-Plan-Dec-2016.pdf, 01AppendixA-PublicEdActivities.pdf)*	Introduction Appendix A1, Section 6 Appendix B1, Section 6 Appendix F.1, Section 2.3
Memorandum of Understanding Between Highways Division and Harbors Division *(MOU HWY & HAR 8-7-15.pdf)*	In entirety

3. On-Site Evaluation

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

4. On-Site Evaluation Photos

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

5. Potential Violations

No Potential Violations were identified by the Audit Team for this permit.

6. Deficiencies

No Deficiencies were identified by the Audit Team for this permit.

Appendix B6

Permit-Specific Information – Highways Oahu District

Appendix B6: Permit-Specific Information – Highways Oahu District

1. Key Documents

Permit / Document	6. Highways Oahu District Individual Permit HI S000001
2013-2014 Annual Report	20141016.Contents of CD for Compliance Submission of Other-Annual Report 2013-2014-Part 1-HIS000001.PDF
2014-2015 Annual Report	20151015.Contents of CD for Compliance Submission of Other-Annual Report 2014-2015-HIS000001-.PDF
2015-2016 Annual Report	20161101.Contents of CD for Compliance Submission of Other-Annual Report 2015-2016-HIS000001_Part1.pdf
2016-2017 Annual Report	HWY-O Annual Report 2016-17.pdf Plus Appendices
2017-2018 Annual Report	Annual Report 2017-2018.pdf Plus Appendices
Permit	20160318.Modified NPDES Permit HI S000001.PDF
Storm Water Annual Monitoring Plan 2019-2020	Storm Water Annual Monitoring Plan 2019-2020.pdf
SWMPP	SWMPP-Final_Combined_Compressed.pdf Plus Appendices
Oahu District Storm Water Management Program Organizational Chart	Oahu District Storm Water Management Program Organizational Chart.pdf
Memorandum of Understanding with State Department of Health	A.3_MOU-DOT-Highways-DOH-1999.pdf
Memorandum of Understanding Between the Department of Transportation Highways Division, State of Hawaii and The Department of Environmental Services and The Department of Facility Maintenance City and County of Honolulu	A.4_MOU-DOT-Highways-City-2002.pdf

2. Sections of Key Documents Found Relevant for PEAR 6

Document Name ***(Original File Name)***	**Sections/Pages Relevant to PEAR 6**
2013-2014 Annual Report *(20141016.Contents of CD for Compliance Submission of Other-Annual Report 2013-2014-Part 1-HIS000001.PDF)*	Chapter 6.5 Chapter 7.2, 7.3 Chapter 10.2 Chapter 11
2014-2015 Annual Report *(20151015.Contents of CD for Compliance Submission of Other-Annual Report 2014-2015-HIS000001-.PDF)*	Chapter 10.1, 10.2 Chapter 11
2015-2016 Annual Report *(20161101.Contents of CD for Compliance Submission of Other-Annual Report 2015-2016-HIS000001_Part1.pdf)*	Chapter 10.2 Chapter 11
2016-2017 Annual Report *(HWY-O Annual Report 2016-17.pdf)*	Chapter 2.2 Chapter 10.2 Chapter 11 Appendix A.1 Appendix I.1
2017-2018 Annual Report *(Annual Report 2017-2018.pdf)*	Chapter 13.1 Chapter 14 Appendix L.1
Permit *(20160318.Modified NPDES Permit HI S000001.PDF)*	In entirety
Storm Water Annual Monitoring Plan 2019-2020 *(Storm Water Annual Monitoring Plan 2019-2020.pdf)*	Chapter 3.5
SWMPP (*SWMPP-Final_Combined_Compressed.pdf Plus Appendices)*	Chapter 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0
Oahu District Storm Water Management Program Organizational Chart (*Oahu District Storm Water Management Program Organizational Chart.pdf)*	In entirety
Memorandum of Understanding with State Department of Health *(A.3_MOU-DOT-Highways-DOH-1999.pdf)*	In entirety
Memorandum of Understanding Between the Department of Transportation Highways Division, State of Hawaii and The Department of Environmental Services and The Department of Facility Maintenance City and County of Honolulu *(A.4_MOU-DOT-Highways-City-2002.pdf)*	In entirety

3. On-Site Evaluation

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

4. On-Site Evaluation Photos

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

5. Potential Violations

No Potential Violations were identified by the Audit Team for this permit.

6. Deficiencies

No Deficiencies were identified by the Audit Team for this permit.

Appendix C

Revised Audit Work Plan, November 2016

State of Hawaii Department of Transportation

Office of Environmental Compliance

Revised Audit Work Plan

State Project No. OSC-15-01

November 2016

This page intentionally left blank
to allow for double-sided printing.

Table of Contents

List of Tables ..... *iv*

List of Figures ..... *iv*

List of Appendices ..... *iv*

List of Acronyms ..... *v*

Section 1: Introduction, Purpose, and Goals 1

Section 2: Audit Team and HDOT Personnel 3

Section 3: Audit Notes and Guidelines 7

3.1 Health, Safety, and Site Access Considerations 7
3.2 Quality Control Procedures 7
3.3 Photographs 8
3.4 "Maximum Extent Practicable" Concept 8

Section 4: Audit Structure and Schedule 11

Section 5: Program Element Audits 13

5.1 Pre-Audit 13
5.1.1 Notice of Audit 13
5.1.2 Records Request 14
5.1.3 Records Review 14
5.2 Onsite Evaluation 14
5.2.1 Pre-Onsite Evaluation Conference Call 14
5.2.2 Onsite Evaluation 14
5.2.3 Post-Onsite Evaluation Review Period 15
5.3 Reporting 15
5.3.1 Draft PEARs 15
5.3.2 HDOT Review 16
5.3.3 Final Audit Report 16
5.3.4 Post-Audit Report Review 17

Section 6: Potential Violations and Deficiencies 19

6.1 Identification of Finding of Concern 20
6.2 Audit Team Consultation 20
6.3 Potential Violation Decision Tree 21
6.4 Deficiency Decision Tree 22

Section 7: Annual Compliance Report 23

References *24*

List of Tables

Table 4-1 CD Appendix A Deadlines
Table 5-1 Tentative On-Site Evaluation Dates

List of Figures

Figure 2-1 Organizational Chart
Figure 5-1 Program Element Audit Schedule
Figure 6-1 Potential Violation and Deficiency Decision Tree

List of Appendices

A Consent Decree Sections Pertaining to Audit (10.d Page and Appendix A)

B1 - B6 PEAR 1 - 6 Guiding Questions
- B1: PEAR #1 – Post-Construction / Permanent Best Management Practices
- B2: PEAR #2 – Construction Site Runoff Control
- B3: PEAR #3 – Public Outreach / Public Involvement
- B4: PEAR #4 – Illicit Discharge Detection and Elimination (IDDE) Program Element and Industrial Commercial Activities/Tenant (I/C) Program
- B5: PEAR #5 – Pollution Prevention / Good Housekeeping Program
- B6: PEAR #6 – Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability

C1 - C6 PEAR 1 - 6 Schedule
- C1: PEAR #1 – Schedule for Post-Construction / Permanent Best Management Practices
- C2: PEAR #2 – Schedule for Construction Site Runoff Control
- C3: PEAR #3 – Schedule for Public Outreach / Public Involvement
- C4: PEAR #4 – Schedule for Illicit Discharge Detection and Elimination (IDDE) Program Element and Industrial Commercial Activities/Tenant (I/C) Program
- C5: PEAR #5 – Schedule for Pollution Prevention / Good Housekeeping Program
- C6: PEAR #6 – Schedule for Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability

D1 – D3 Notices to EPA & DOH
- D1: Draft Notice of Potential Violation
- D2: Final Notice of Potential Violation
- D3: Notice of Corrective Action

List of Acronyms

ACR	Annual Compliance Report
AWPC	Audit Work Plan Commencement
BMP	best management practice
CD	Consent Decree (Civil Action 1:14-CV-00408-JMS-KSC)
CFR	Code of Federal Regulations
DOH	Department of Health
EPA	United States Environmental Protection Agency
HAR	Hawaii Administrative Rules
HARP	Hazard Appraisal and Recognition Plan
HDOT	State of Hawaii Department of Transportation
MEP	maximum extent practicable
MS4	Municipal Separate Storm Sewer System
NPDES	National Pollutant Discharge Elimination System
PEAR	Program Element Audit Report
PM	Project Manager
QA	quality assurance
QC	quality control
SWMPP	Storm Water Management Program Plan

This page intentionally left blank
to allow for double-sided printing.

Section 1: Introduction, Purpose, and Goals

Under Paragraph 10.d of the Consent Decree (Civil Action 1:14-CV-00408-JMS-KSC) entered on 5 November 2014 (CD) with the United States Environmental Protection Agency (EPA) and the State of Hawaii (State) Department of Health (DOH), the State of Hawaii Department of Transportation (HDOT) is required to perform compliance audits of Municipal Separate Storm Sewer System (MS4)[1] permits issued to HDOT's Airports, Highways, and Harbors Divisions (referred to herein as the singular "MS4 Permit Audit"). Specific requirements for the MS4 Permit Audit are defined in Appendix A of the CD and included in Appendix A of this document. The MS4 Permit Audit will be conducted in accordance with this Audit Work Plan (AWP) by Kennedy/Jenks Consultants (Kennedy/Jenks), the selected independent third-party audit firm.

This AWP was conditionally approved by EPA & DOH on 31 October 2016. As memorialized in the conditional approval letter, HDOT will begin the audit on 15 March 2017. This date is hereafter referred to as the AWP Commencement date (AWPC). This AWP includes project milestones with defined dates in some cases (e.g., "15 April 2017") while other dates may be specified relative to the AWPC (e.g., "30 days after AWPC"). All "days" in this AWP refer to calendar days as opposed to business days.

The defined purpose of the MS4 Permit Audit is to assess HDOT's current regulatory and administrative compliance with its MS4 permits, DOH National Pollutant Discharge Elimination System (NPDES) General Permit Coverage Authorizing Discharges of Storm Water and Certain Non-Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (Hawaii Small MS4 General Permit), applicable Storm Water Management Program Plans (SWMPPs), and the CD.

The defined goals of the MS4 Permit Audit focus on meeting the requirements listed in Appendix A of the CD, including:

- Evaluating compliance with HDOT MS4 permits and the CD
- Identifying information gathered during the MS4 Permit Audit that may be used to promote information and technology transfer between HDOT Divisions
- Identifying Potential Violations (areas where the evaluation found the permittee not in compliance with a specific permit requirement or SWMPP commitment) and Deficiencies (items which, if not corrected, may be anticipated to lead to Potential Violations) in HDOT's stormwater programs and assisting with timely self-correction of identified Potential Violations and Deficiencies by HDOT.

[1] The MS4 refers to the conveyance system in addition to the jurisdiction(s) which own/operate the system.

In addition to meeting the CD requirements and EPA & DOH expectations, the overarching goal of the MS4 Permit Audit is to develop internal trust and collaboration within HDOT. The Audit Team will seek HDOT-wide opportunities for improvement rather than focusing on minor issues of non-compliance.

Reporting requirements of the MS4 Permit Audit are defined in Appendix A Section D.7. of the CD and include:

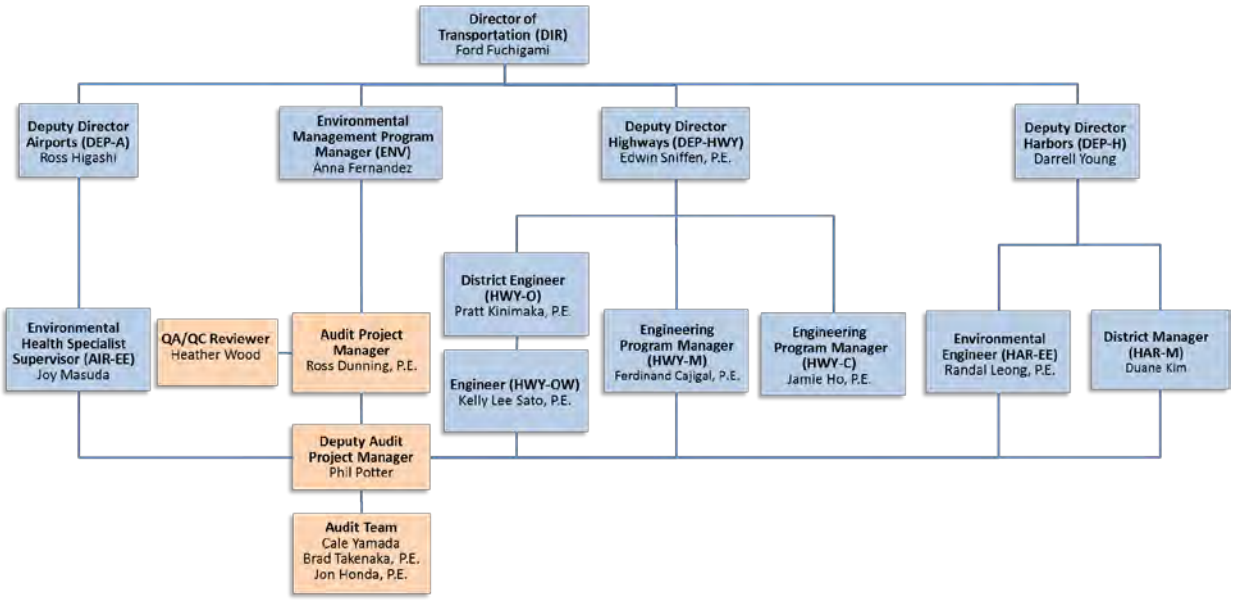
- A specific statement of the procedures followed, HDOT sites and activities visited, and all materials reviewed during the MS4 Permit Audit
- Retrospective analysis of activities that may be outmoded, ineffective, insufficient, or excessively burdensome, and providing recommendations to modify, streamline, or augment them in accordance with what has been learned during the MS4 Permit Audit, as appropriate.
- Identification of Potential Violations and Deficiencies and of MS4 permit conditions, applicable SWMPPs, the CD, and/or other applicable regulations, and providing recommendations for improvements as found to be appropriate
- Identification of best practices and opportunities for information/technology transfer to be applied across the three HDOT Divisions
- An analysis of the practices implemented for each HDOT Division's program elements and a determination as to whether identified best practices can be universally implement across all three Divisions. If best practices cannot be universally implemented, the report will clearly describe impediments identified.

In accordance with requirements defined in Appendix A of the CD, EPA's *MS4 Program Evaluation Guidance* (hereinafter EPA (2007) guidance) was consulted in the development of this AWP. The audit protocols included herein are intended to promote consistency among regulated facilities when conducting environmental audits and to validate that the MS4 Permit Audit is conducted in a thorough and comprehensive manner. Program evaluation worksheets (included in Appendix B) were developed to guide the Audit Team while performing the MS4 Permit Audit. Each worksheet addresses a separate program element, and includes key questions derived from the EPA (2007) guidance document recommended to be considered during an MS4 evaluation. While this AWP is based on the EPA (2007) guidance for auditing small MS4s, HDOT has adapted the guidance to focus some aspects of the audit process to reflect the unique nature of HDOT operations.

Section 2: Audit Team and HDOT Personnel

Figure 2-1 provides an organizational chart defining the Audit Team and HDOT staff that will be involved in the MS4 Permit Audit.

Figure 2-1 Organizational Chart



Additional information describing key MS4 Permit Audit personnel is provided below.

HDOT Project Manager – Anna Fernandez

In her role as Environmental Program Manager, Anna Fernandez reports directly to the HDOT Director. She serves as the HDOT Project Manager (PM) for this project. In this role, she administers and manages Kennedy/Jenks in performing the MS4 Permit Audit and their contact with HDOT leaders and stakeholders.

Deputy Director(s)

Deputy Directors report directly to the HDOT Director. They are responsible for facilitating the Audit Team's access to HDOT personnel and facilities within their respective Divisions as appropriate. The following Deputy Directors will be directly involved in the MS4 Permit Audit process:

Airports (DEP-A) – Ross Higashi
Highways (DEP-HWY) – Edwin Sniffen, P.E.
Harbors (DEP-H) – Darrell Young

MS4 Permit Coordinator(s)

MS4 Permit Coordinators are those HDOT personnel responsible for managing compliance with the MS4 permit for each Division, district, or designated MS4 permitted area. The following MS4 Permit Coordinators will be directly involved in the MS4 Permit Audit process:

Airports (AIR-EE) – Joy Masuda (Environmental Health Specialist Supervisor)
Oahu Highways (HWY-OW) – Kelly Lee Sato, P.E. (Engineer)
Maui Highways (HWY-M) – Ferdinand Cajigal, P.E. (Engineering Program Manager)
Oahu Harbors (HAR-EE) – Randal Leong, P.E. (Environmental Engineer)
Maui Harbors (HAR-M) – Duane Kim (District Manager)

Additional Key MS4 Permit Audit Personnel

The following key staff will also be consulted throughout the MS4 Permit Audit Process:

District Engineer (HWY-O) - Pratt Kinimaka, P.E.
Engineering Program Manager (HWY-C) - Jamie Ho, P.E.

Audit Project Manager – Ross W. Dunning, P.E. / Principal (Kennedy/Jenks)

Ross is a Principal of Kennedy/Jenks and leads their companywide stormwater practice. He has assisted many Western U.S. Port authorities for almost 20 years with development of strategies and stormwater management plans to address Clean Water Act and NPDES regulations. He is Kennedy/Jenks' point of contact for the HDOT PM, and manages the Audit Team to verify that MS4 Permit Audit procedures and reports meet CD requirements and are on schedule. The Audit PM is responsible for updating this Audit Work Plan (with the approval of the HDOT PM), producing schedules, preparing audit reports, and maintaining audit records.

Lead Quality Assurance/Quality Control (QA/QC) Reviewer: Heather Wood (Kennedy/Jenks)

Heather is the former Director of Sustainability for the Port of Virginia, responsible for development of their environmental programs and permit compliance (including NPDES). Heather is also the former Chair of the American Association of Port Authorities Environmental Committee. She is Kennedy/Jenks' Ports and Harbors Sector Leader. In her role as the Lead QA/QC Reviewer, she will direct the review of MS4 Permit Audit work products, including draft and final audit reports, by qualified Kennedy/Jenks staff.

Deputy Audit Project Manager – Phil Potter (Kennedy/Jenks)

Phil is based in Kennedy/Jenks' Honolulu office and leads the firm's stormwater practice in Hawaii. For over 8 years, he has assisted municipal clients including the HDOT Highways Oahu District and the City and County of Honolulu with development and implementation of their NPDES compliance programs. In his role as the Deputy Audit PM, Phil is responsible for assisting the Audit PM in the execution of the Audit Work Plan and will directly coordinate with the HDOT MS4 Permit Coordinators and other stakeholders.

Auditors – Cale Yamada; Brad Takenaka, P.E.; Jon Honda P.E. (Kennedy/Jenks)

Cale, Brad, and Jon are experienced stormwater professionals in Kennedy/Jenks' Honolulu office. Among their many stormwater projects, they currently assist the City and County of Honolulu with ongoing development and implementation of its municipal stormwater program including, but not limited to, providing periodic MS4 program compliance inspections for hundreds of City and County industrial facilities throughout the island of Oahu.

Auditors are responsible for performing inspections of HDOT facilities and documentation, and performing interviews with HDOT employees responsible for MS4 program implementation and management in order to assess compliance with applicable MS4 program and CD requirements. Auditors are also responsible for coordinating with the Audit PM and Deputy Audit PM regarding any Potential Violations and Deficiencies identified. Hereinafter, the "Audit Team" refers to the Kennedy/Jenks' staff introduced above.

This page intentionally left blank
to allow for double-sided printing.

Section 3: Audit Notes and Guidelines

This Section addresses various topics intended to guide the Audit Team in completing the MS4 Permit Audit in a safe and efficient manner.

3.1 Health, Safety, and Site Access Considerations

Prior to initiating onsite evaluations (see Section 5.2), the Audit PM will lead the Audit Team in developing a Hazard Appraisal and Recognition Plan (HARP), following Kennedy/Jenks' standard safety program. The HARP describes how to identify and analyze safety risks associated with field activities, operations, and facilities; approaches for mitigating identified risks; and processes for documenting and reporting accidents, near misses, and potentially unsafe conditions which may be encountered in the field. The HARP is a "living document" which will be updated as appropriate throughout the term of the MS4 Permit Audit. The Audit Team will wear appropriate personal protective equipment (hard hat, safety vest, safety shoes, protective eyewear, and hearing protection as appropriate) while performing the onsite evaluations.

Harbors Facilities

At this time, no special security clearances or requirements are defined to be necessary at Harbors facilities and/or project sites, as long as the Audit Team is escorted by personnel with valid Transportation Worker Identification Credentials (TWIC) and documentation of Maritime Security (MARSEC) Facility Security Awareness training certification. Active loading or unloading of cargo may necessitate additional safety requirements at certain pier locations.

Airports Facilities

At this time, Airports Division facilities to be evaluated are anticipated to be outside secured air operations areas; therefore, no special requirements or clearances are defined to be necessary. Adequate notice will be provided to the Airports Division MS4 Permit Coordinator to arrange security escort as found to be necessary.

Highways Facilities

At this time, there are no defined security restrictions to access Oahu District or Maui District Highway facilities as the Audit Team will be escorted by HDOT personnel at all times.

3.2 Quality Control Procedures

The Audit PM is responsible for ensuring that Kennedy/Jenks' effort and deliverables meet their company's professional mandate to consistently perform work in a technically correct manner, meeting the standard of care for their profession. The standard of care is defined to represent the watchfulness, attention, caution, prudence, and skill that other qualified professionals in the same or similar circumstances would exercise.

Kennedy/Jenks' quality assurance (QA) program includes processes and procedures developed over their near century-old history to achieve and maintain a rigorous level of quality, planning,

application, and verification. Its quality control (QC) program implements this process and QC reviewers will continuously monitor their effort and work products on this project to meet contract and CD requirements, Kennedy/Jenks' QA/QC standards, and HDOT's expectations.

3.3 Photographs

Digital photographs collected and archived during the course of the MS4 Permit Audit will be managed in accordance with EPA's *Digital Camera Guidance for EPA Civil Inspections and Investigations* (2006). Photographs taken will be organized into photograph logs with each photograph numbered with the date and time included. A brief photograph caption will identify the facility or site name, describe what is depicted in the photograph, the location, direction, and other pertinent data (e.g., the location within the facility or site) as appropriate.

3.4 "Maximum Extent Practicable" Concept

Unlike NPDES industrial wastewater permits which typically contain specific end-of-pipe effluent limits based on water quality standards or available treatment technology, HDOT's MS4 permits include programmatic requirements involving the implementation of BMPs in order to reduce pollutants discharged to the "maximum extent practicable" (MEP). In addition, HDOT's permits allow flexibility in the types of BMPs and activities implemented to meet permit requirements. There is also added complexity in evaluating several similar permits applicable to the very different operations conducted at HDOT Highways, Airports, and Harbors facilities. This makes it challenging to assess the true effectiveness of HDOT's several MS4 stormwater programs and how they may be integrated.

Per EPA (2007) guidance, HDOT is considered a non-traditional MS4 permittee, and as such, the evaluation of its MS4 programs will be specific to their particular circumstances and applicable permit requirements. Some HDOT MS4 permits contain broad requirements that outline the basic SWMPP components the permittee is required to implement, giving the permittee the flexibility to develop a program to meet these broad requirements. Other MS4 permits are more prescriptive and specify in detail the minimum activities and best management practices (BMPs) for each program element.

Given these inherent operational differences and challenges, each HDOT permittee has traditionally applied different approaches to comply with specific permit requirements based on MS4-specific traits or issues. For example, EPA regulations require permittees to develop "procedures for site inspection and enforcement" for addressing construction activities. Few MS4 permits specify how the permittee should inventory their active construction projects or track enforcement activities. A permittee with only a few construction projects a year may be able to use a paper system to inventory and track construction projects. A permittee with hundreds or thousands of construction projects would likely need a database or similar electronic tracking system to ensure it was implementing the program to a level considered to meet MEP.

It is relatively straightforward to assess whether HDOT has developed certain programs and conducted various activities that are called for and within the timeframes specified in each of the permits under consideration, as well as activities or programs specified under SWMPPs or other documents prepared by HDOT. The challenge for the Audit Team and HDOT is to assess

whether the programs and activities implemented have or will constitute MEP. EPA (2007) guidance will assist with this determination, but is not definitive. Determination requires application of the Audit Team's best professional judgment.

This page intentionally left blank
to allow for double-sided printing.

Section 4: Audit Structure and Schedule

For each of the six program elements required to be reviewed by the CD, Kennedy/Jenks will review the six permitted MS4 programs concurrently, developing six Program Element Audit Reports (Final PEARs) that represent the culmination of the auditing efforts across the three HDOT Divisions.

Appendix A of the CD defines various project milestones and deadlines, described for ease of reference below:

Table 4-1 CD Appendix A Deadlines

Program Element	Evaluation Complete: [a]	Draft PEAR to HDOT: [d]	HDOT Review of Draft PEAR: [e]	Final PEAR to HDOT: [f]
PEAR #1: Post-Construction Runoff Control / Permanent Best Management Practices	3 Months (90 Days) [b] After AWPC[c] 13 June 2017	135 Days After AWPC 28 July 2017	165 Days After AWPC 27 August 2017	210 Days After AWPC 11 October 2017
PEAR #2: Construction Site Runoff Control	9 Months (270 Days) After AWPC 10 December 2017	315 Days After AWPC 24 January 2017	345 Days After AWPC 23 February 2017	390 Days After AWPC 9 April 2018
PEAR #3: Public Outreach / Public Involvement	15 Months (450 Days) After AWPC 8 June 2018	495 Days After AWPC 23 July 2018	525 Days After AWPC 22 August 2018	570 Days After AWPC 8 October 2018
PEAR #4: Illicit Discharge Detection and Elimination Program Element and Industrial Commercial Activities/Tenant Programs	21 Months (630 Days) After AWPC 5 December 2018	675 Days After AWPC 19 January 2019	705 Days After AWPC 18 February 2019	750 Days After AWPC 4 April 2019
PEAR #5: Pollution Prevention / Good Housekeeping	27 Months (810 Days) After AWPC 3 June 2019	855 Days After AWPC 18 July 2019	885 Days After AWPC 17 August 2019	930 Days After AWPC 1 October 2019
PEAR #6: Staffing, Funding, Organizational Structure, Availability of Resources and Storm Water Program Sustainability	33 Months (990 Days) After AWPC 30 November 2019	1035 Days After AWPC 14 January 2020	1065 Days After AWPC 13 February 2019	1110 Days After AWPC 29 March 2020

Notes:

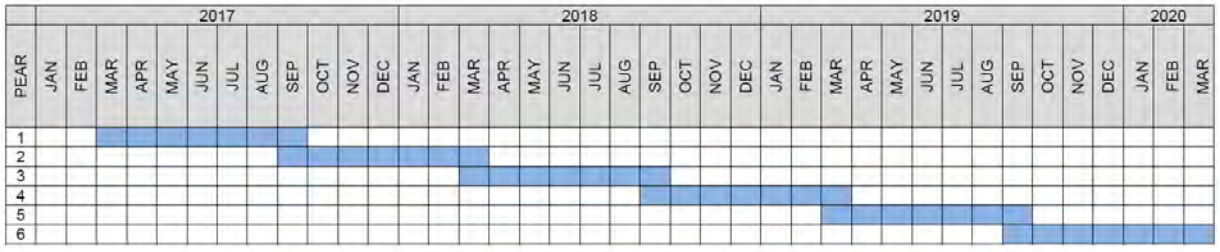
(a) "Evaluation" as referenced in CD Appendix A Section B.5. is defined in this AWP to represent the conclusion of the Post-Onsite Evaluation Review Period (See Section 5.2.3) for PEARs #1, 2, 4, and 5. For PEARs #3 and 6, no onsite evaluation is required and therefore "evaluation" is defined to represent the date of conclusion of the Records Review period. Please refer to Appendix C for more detail.

(b) “Months” are based on 30-day months in this AWP.
(c) AWPC = Audit Work Plan Commencement (15 March 2017)
(d) Pursuant to CD Appendix A Section D.2., Kennedy/Jenks will complete a draft audit report and transmit it to HDOT within 45 days of completing an audit of a program element (defined in this AWP as the conclusion of “evaluation”, as discussed in Note (a)).
(e) Pursuant to CD Appendix A Section D.3., HDOT will review the draft PEAR to correct any factual inaccuracies within 30 days of receipt.
(f) Pursuant to CD Appendix A Section D.4., Kennedy/Jenks will complete a final PEAR within 120 days of completing an audit of a program element (defined in this AWP as the conclusion of “evaluation”, as discussed in Note (a)).

Section 5: Program Element Audits

Each program element audit will follow a similar schedule and structure, discussed generally in this section. The Program Element Audits will occur over a 37-month period depicted graphically below (Figure 5-1):

Figure 5-1 Program Element Audit Schedule



Appendices B1 - B6 list the basic information anticipated to be reviewed for each MS4 program element to be audited. The Audit Team will utilize worksheets provided in Appendices B1 - B6 to collect and track information for each MS4 permit and element. References to Appendices C1 - C6 are also included, defining specific schedules for each of the six PEARs. Each Program Element Audit will include three phases (Pre-Audit, Onsite Evaluation, and Reporting), detailed in the following sections.

5.1 Pre-Audit

This Section describes the first phase of each Program Element Audit.

5.1.1 Notice of Audit

The Audit Team will schedule events, confirm appropriate participants, and begin planning the upcoming program element audit with the HDOT PM prior to initiating each Program Element Audit (Appendices C1 - C6 Item 1). The HDOT PM will coordinate with the MS4 Permit Coordinators to provide the following for each of the six MS4 permits:

- Facility or Division-specific SWMPPs
- Recent Annual Reports
- Documentation of required training, inspection reports, legal enforcement correspondence, if any, etc.
- Relevant memoranda of understanding with adjacent of contributing agencies, municipalities, etc.
- Organizational charts specifically listing HDOT staff with MS4 permit authority and responsibility.

The HDOT PM will coordinate with the MS4 Permit Coordinators to identify individuals and stakeholders that should be engaged during the MS4 Permit Audit.

5.1.2 Records Request

The Audit Team will review those sections of the NPDES permits, SWMPPs, guidance documents, the CD, etc. pertinent to the each individual audit element. Based on this review, the Audit Team will develop a records request and submit it to the HDOT PM (Appendices C1 - C6 Item 2). Where documentation is required (completed forms, logs, sign-in sheets, etc.), the Audit Team will request a subset of relevant records for verification. Electronic records are preferred, but physical copies of hard copy records are also acceptable. The HDOT PM will work with the MS4 Permit Coordinators to acquire and provide requested records to the Audit Team (Appendices C1 - C6 Item 3).

5.1.3 Records Review

The Audit Team will compare the program element requirements and commitments identified in the NPDES permits, SWMPPs, CD, annual reports, etc. and the records obtained in the record review (Appendices C1 - C6 Item 4). This review will be informed to the extent appropriate by the interview questionnaire provided in Appendices B1 - B6. It is expected that several conference calls between the Audit Team, HDOT PM, and MS4 Permit Coordinators may be conducted during this period.

5.2 Onsite Evaluation

This Section describes the second phase of each Program Element Audit.

5.2.1 Pre-Onsite Evaluation Conference Call

The Audit Team and HDOT PM will contact each MS4 Permit Coordinator to confirm schedules, address questions and security concerns, confirm personnel safety equipment needed, and organize training and orientation briefings that may be required (Appendices C1 - C6 Item 5).

5.2.2 Onsite Evaluation

For work planning purposes, it is assumed that onsite evaluations for each Program Element will be conducted over the course of five (5) days (except for PEAR #4, which requires an extra day). Detailed activity descriptions and schedules are included in Appendices C1 - C6 (Item 6). It should be noted that following EPA (2007) guidance, PEAR #3 and PEAR #6 do not require onsite evaluations[2]. The onsite evaluations for each Program Element are tentatively scheduled during the following time periods (Table 5-1):

[2] Although no on-site evaluation is required for PEAR #3 (Public Outreach / Public Involvement Program), the Audit Team will endeavor to identify and attend events such as Harbors' tenant outreach in order to gain a well-rounded understanding of this program.

Table 5-1 Tentative On-Site Evaluation Dates

PEAR	On-Site Evaluation
PEAR #1: Post-Construction / Permanent Best Management Practices	Tuesday 30 May 2017 to Monday 5 June 2017
PEAR #2: Construction Site Runoff Control	Monday 27 November 2017 to Friday 1 December 2017
PEAR #3: Public Outreach / Public Involvement Program	[none required]
PEAR #4: Illicit Discharge Detection and Elimination Program Element and Industrial Commercial Activities/Tenant Program	Monday 19 November 2018 to Wednesday 28 November 2018
PEAR #5: Pollution Prevention / Good Housekeeping Program	Monday 20 May 2019 to Friday 24 May 2019
PEAR #6: Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability	[none required]

5.2.3 Post-Onsite Evaluation Review Period

Following the Onsite Evaluations, the Audit Team will review the findings of the Pre-Audits and Onsite Evaluations and address final evaluation-related tasks that may have been noted (Appendices C1 - C6 Item 7). This review period completes the evaluation of the program element, as referenced in CD Appendix A Section B.5.

5.3 Reporting

This Section describes the third phase of each Program Element Audit.

5.3.1 Draft PEARs

Pursuant to the CD, the Audit Team will prepare draft PEARs documenting the procedures followed, sites and activities visited, materials reviewed, and a summary of major findings from the program element audits of the six HDOT NPDES permits (Appendices C1 - C6 Item 8). The PEARs will be structured so that they may be easily incorporated into each Division's Annual Compliance Report (ACR) (see Section 7).

The Audit Team will endeavor to draw defensible conclusions based on the NPDES permit requirements and conditions, the SWMPP developed to meet the permit goals, measurable achievement of those goals, and the Audit Team's best professional judgment interpretation of compliance with the NPDES regulations.

EPA (2007) guidance describes that, in some cases, it may not be possible to assess compliance with a program component because of the limitations of the MS4 program evaluation process. If this is found to be the case, the draft PEAR for the program element will state that this is the case and provide as much supporting information as possible. Similarly, if there were no findings of note for a particular SWMPP or NPDES component, this fact will be stated in the PEAR.

If the Audit Team identifies what may be a Potential Violation or Deficiency at any point during the Pre-Audit, Onsite Evaluation, or Reporting periods, actions will be taken in accordance with the decision tree defined in Section 6 for the Audit Team, HDOT PM, and MS4 Permit Coordinators to follow. The draft PEAR will describe the two findings as follows:

- Findings reviewed per Section 6 and found to be Potential Violations, reported to DOH/EPA and addressed via Corrective Actions.
- Findings found to be Deficiencies, for which recommendations for improvement will be included.

Each draft PEAR will identify BMPs and opportunities for information/technology transfer that may be considered for application across the three HDOT Divisions. The draft PEARs will also analyze the practices implemented for each HDOT Division's program elements and assess whether identified best practices can be universally implemented across the three HDOT Divisions. If best practices cannot be universally implemented, the draft PEAR report will describe identified impediments (such as legal barriers). The draft PEAR will also identify positive program elements considered to exceed the NPDES requirements and SWMPP. Finally, the draft PEAR will include a retrospective analysis of activities that are considered to be potentially outmoded, ineffective, insufficient, or excessively burdensome. Recommendations to modify, streamline, or expand them in accordance with what has been learned will be listed.

The Audit Team will complete the draft PEAR within 45 days of the completion of the evaluation for each program element. The Audit Team will provide five (5) copies of the draft PEAR and one electronic file copy in Word (Version 2007 or earlier) to the HDOT PM.

5.3.2 HDOT Review

Upon receipt, the HDOT PM will distribute copies of the draft PEARs to the appropriate MS4 Permit Coordinators, who will be responsible for reviewing the reports and distributing the reports to key personnel for their review. The MS4 Permit Coordinators will submit to the HDOT PM a consolidated written request for clarification and corrections to the draft PEAR for their respective permit as found to be necessary (Appendices C1 - C6 Item 9). The HDOT PM will then submit the consolidated requests and corrections to the Audit PM (Appendices C1 - C6 Item 10).

5.3.3 Final Audit Report

Upon receipt of the consolidated requests and corrections, the Audit Team will make appropriate changes to the draft PEARs and submit the final PEARs (Appendices C1 - C6 Item 11).

For PEARs #1 - 5, the Final PEAR is scheduled to be submitted approximately 25 days in advance of the CD deadline. This is intended to afford additional time for the Divisions in each subsequent Program Element Audit. The CD is structured such that, if followed strictly, only 60 calendar days are afforded for Steps 1 to 7 of PEARs #2 - 6. For example, Final PEAR #1 is due at 210 days following AWPC and the evaluation of PEAR #2 is due at 270 days following AWPC. By reducing the time it takes Kennedy/Jenks to write the Final PEAR, an additional 25 days are afforded to the Divisions to fulfill the records request for the subsequent audit (Appendices C2 - C6 Item 3).

The Audit Team will provide five (5) copies of the final PEARs and one electronic file copy in Word (Version 2007 or earlier) to the HDOT PM.

5.3.4 Post-Audit Report Review

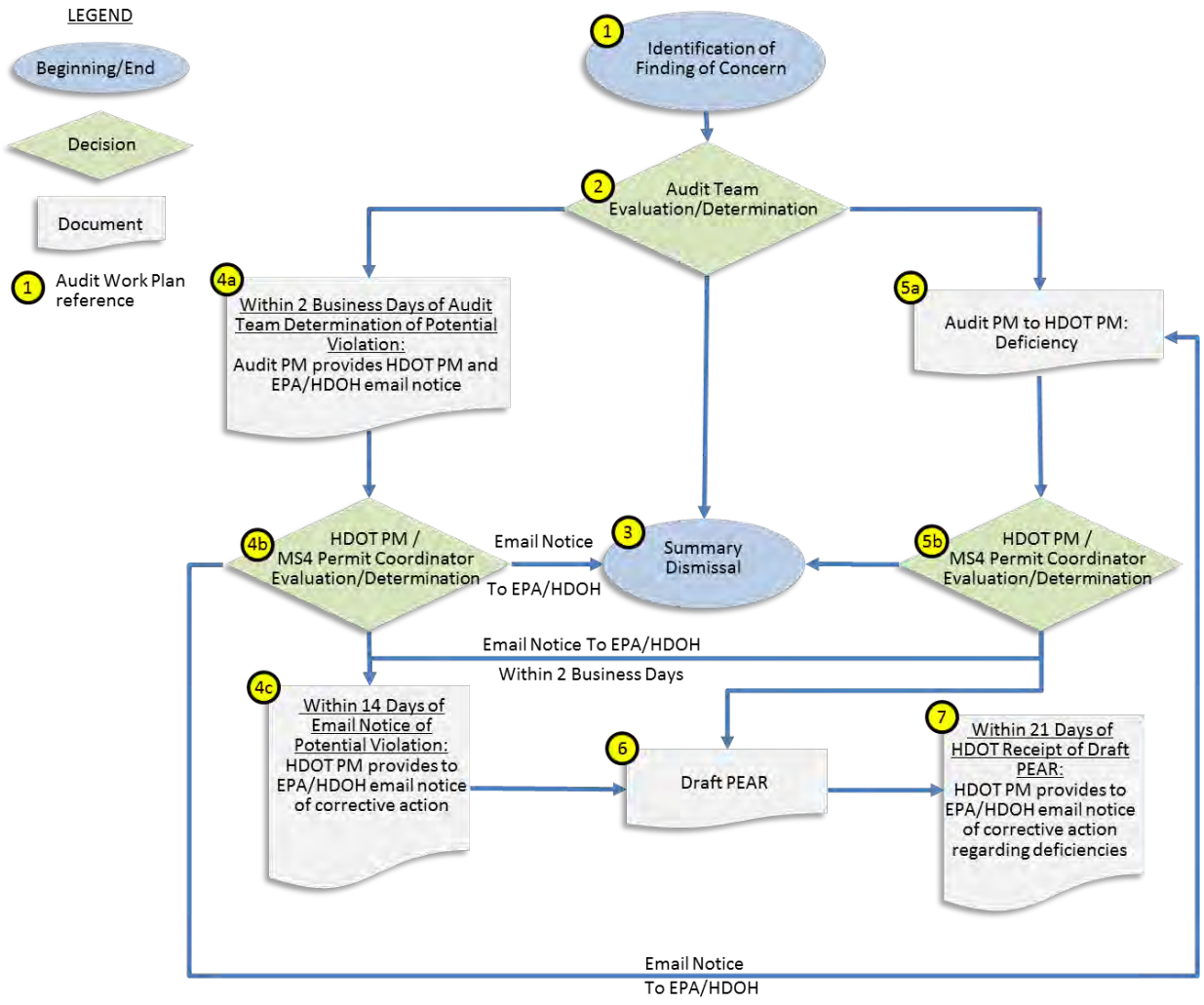
The HDOT PM and Audit PM will meet after the submission of each PEAR to discuss QC procedures and potential improvements to be made prior to the subsequent PEAR.

This page intentionally left blank
to allow for double-sided printing.

Section 6: Potential Violations and Deficiencies

If at any point during the Pre-Audit, Onsite Evaluation or Reporting Periods the Audit Team identifies what may represent a Potential Violation or Deficiency (hereinafter "Finding of Concern"), the Audit Team, HDOT PM, and MS4 Permit Coordinators will follow the decision tree shown on Figure 6-1.

Figure 6-1 Potential Violation and Deficiency Decision Tree



1 6.1 Identification of Finding of Concern

2 6.2 Audit Team Consultation

Upon identification of a Finding of Concern, the Audit Team will consult internally to assess whether the Finding of Concern may represent a Potential Violation, a Deficiency, or whether it summarily merits dismissal.

Potential Violation - The Audit Team will categorize the Finding of Concern as a Potential Violation if it meets the EPA (2007) guidance definition of an "area where the evaluation found the permittee not in compliance with a specific permit requirement or SWMPP commitment". These occurrences would follow the procedures listed in Section 6.3.

Deficiency – The Audit Team will categorize the Finding of Concern as a Deficiency if it meets the Consent Decree definition of an "item which, if not corrected, will lead to potential violations"[1]. These occurrences would follow the procedures listed in Section 6.4.

3 Summary Dismissal – The Audit Team will dismiss the Finding of Concern if it does not meet either the definition of a Potential Violation or a Deficiency. No further action will be required.

[1] EPA (2007) guidance further elaborates that deficiencies are areas of concern impeding effective program implementation. They are typically areas where the permit or SWMPP does not describe specifically how the permittee should conduct an activity, yet the evaluator believes the permittee may consider altering how they conduct the activity to meet water quality goals. Deficiencies can also be areas where future permit violations could result if the permittee continues on its present path. The Audit Team will look for opportunities to enhance program elements (e.g. recommending that MS4 Coordinators perform required annual reviews earlier in the year, thereby allowing time for self-correction).

6.3 Potential Violation Decision Tree

4a **Notification: Audit PM to HDOT PM and EPA & DOH**

If the Finding of Concern is categorized by the Audit Team as a Potential Violation, the Audit PM will notify the HDOT PM and EPA & DOH via email[1] within 2 business days of making the determination using the form presented in Appendix D1. Additionally, the HDOT PM will be notified via telephone. These notifications will include the following information:

1. Specific details of the Potential Violation
2. Related photographs, if any
3. Applicable regulatory references [i.e., NPDES permit, SWMPP, Hawaii Administrative Rules (HAR), or Code of Federal Regulations (CFR) references, as applicable].

4b **Evaluation/Determination**

The HDOT PM will consult with the appropriate MS4 Permit Coordinator to further investigate the factual accuracy of the Potential Violation determination. Based on that consultation, the Potential Violation may be summarily dismissed (if found to be factually inaccurate) or re-categorized as a Deficiency (if incorrectly categorized as a Potential Violation). Both of these scenarios would be accompanied by email notification from the HDOT PM to EPA & DOH using the form presented in Appendix D2. The time required for this consultation is included in the 14-day timeline described in Item 4c, below.

4c **Determination of Potential Violation**

If the Finding of Concern is confirmed to be a Potential Violation, the HDOT PM will then work with the appropriate MS4 Permit Coordinator to assess suitable corrective actions.

Unless otherwise agreed upon with EPA & DOH, HDOT will correct the Potential Violation within 14 days of initial Audit Team email notification to EPA & DOH (see Item 4a above). Email notification of the Corrective Action will be provided to EPA & DOH by the HDOT PM using the forms presented in Appendix D2 and Appendix D3. The Consent Decree allows HDOT the option to request an extension to this reporting deadline. In order for EPA & DOH to agree to an extension, HDOT must provide a corrective action workplan, including a final compliance date, to EPA & DOH.

[1] Per EPA & DOH request, Connor Adams (EPA) and Matthew Kurano (DOH) will be copied on all email notifications to EPA & DOH.

6.4 Deficiency Decision Tree

5a **Notification: Audit PM to HDOT PM**

If a Finding of Concern is categorized as a Deficiency, the Audit PM will notify the HDOT PM via telephone and email and include the following information:

1. Specific details of the Deficiency
2. Related photographs, if any
3. Applicable regulatory references (i.e., NPDES permit, SWMPP, HAR, or CFR references, as applicable).

5b **Evaluation/Determination**

The HDOT PM will consult with the appropriate MS4 Permit Coordinator to further investigate the factual accuracy of the Deficiency determination. Based on that consultation, the Deficiency may be summarily dismissed (if found to be factually inaccurate) or re-categorized as a Potential Violation (if incorrectly categorized as a Deficiency). The latter scenario will be accompanied by an email notification to EPA & DOH within 2 business days of making the determination using the form presented in Appendix D2.

6 **Deficiency**

If the finding is confirmed to be a Deficiency, this finding (along with confirmed Potential Violations) will be documented in the appropriate draft PEAR. The HDOT PM will work with the appropriate MS4 Permit Coordinator to assess the appropriate corrective actions.

7 Unless otherwise agreed upon with EPA & DOH, HDOT will correct Deficiencies within 21 days of receiving the draft PEAR (Appendices C1 - C6 Item 8). Email notification of the Corrective Action will be provided to EPA & DOH by the HDOT PM using the form included in Appendix D3. The CD allows HDOT the option to request an extension to this reporting deadline. In order for EPA & DOH to agree to an extension, HDOT must provide a corrective action workplan, including a final compliance date, to EPA & DOH.

Section 7: Annual Compliance Report

Due to the differences in Division operations, not all portions of each PEAR will be applicable to all MS4 permittees. As such, the PEARs will be structured so that they may be easily incorporated into each Division's Annual Compliance Report (ACR). The HDOT PM will work with each permittee to ensure that the appropriate PEAR content is included in each individual ACR. Each ACR will include a detailed summary of actions taken as a result of the audit reports and dates at which corrective actions, if warranted, were taken.

Additionally, pursuant to CD Appendix A Section D.5., the HDOT PM will submit each original draft and final PEAR to EPA & DOH at the same time that ACRs are submitted. Within the draft and final PEAR, an authorized HDOT official will certify that, to the best of the official's knowledge and information, the MS4 Permit Audit was conducted in accordance with this AWP. If items have not been corrected, HDOT will provide a schedule for implementing corrective measures.

References

United States Environmental Protection Agency. 2005. Small SM4 Stormwater Program Overview. December. Accessed online at <https://www3.epa.gov/npdes/pubs/fact2-0.pdf>.

United States Environmental Protection Agency. 2006. Digital Camera Guidance for EPA Civil Inspections and Investigations. July. Accessed online at <https://www.epa.gov/sites/production/files/2013-09/documents/digitalcameraguide.pdf>.

United States Environmental Protection Agency. 2007. *MS4 Program Evaluation Guidance.* Accessed online at <https://www3.epa.gov/npdes/pubs/ms4guide_withappendixa.pdf>.

Appendix A

Consent Decree Sections Pertaining to Audit
(10.d Page and Appendix A)

Divisions. HDOT shall ensure that HDOT Office of Environmental Compliance staff have the training and professional qualifications, sufficient to assess compliance, to identify actual or potential non-compliance, and to identify and require implementation of remedies.

d. The HDOT Office of Environmental Compliance staff shall perform audits of each operational division of HDOT in accordance with Appendix A.

11. Stormwater Management Plan (SWMP)

a. Modification of Stormwater Management Plan Elements

i. HDOT-Harbors shall modify the 2009 SWMPs for Honolulu Harbor and Kalaeloa Barbers Point Harbor to integrate changes described below. The modified SWMPs shall be provided to EPA and HDOH no later than 90 days of entry of the Consent Decree. HDOT-Harbors may choose to develop one SWMP for both Harbors.

ii. Within 90 days of entry of the Consent Decree, HDOT-Harbors shall post the SWMPs on HDOT-Harbors' stormwater management website. HDOT-Harbors shall solicit comments from Tenants and the public, through a variety of mechanisms. HDOT-Harbors shall provide a schedule for receipt of comments, not to exceed 45 days. Among other mechanisms, HDOT-Harbors shall solicit comments on the SWMP by publishing notices regarding its availability for review and comment in one local newspaper. HDOT-Harbors shall continue to maintain records of comments received as described in SWMP Section 3.2.

APPENDIX A

ENVIRONMENTAL COMPLIANCE AUDITS

A. General Provisions

1. This Appendix provides details of the NPDES MS4 compliance audits required by Paragraph 10.d of the Consent Decree. The audits shall include evaluation of common stormwater program elements at each of HDOT's three divisions (Airports, Highways and Harbors), as stated in Paragraph A.3 below, throughout the state on a per element schedule. The audits shall be completed to fulfill the following goals:
    a. Determine compliance with the federal regulations and state MS4 permits and regulations and this Consent Decree (see Paragraph A.2, below);
    b. Ensure information gathered during the audits is used to promote information and technology transfer between divisions; and
    c. Identify deficiencies and potential violations that are discovered by the third party auditor and allow for timely self-correction of the deficiencies and potential violations by HDOT.
2. The audits shall be designed to assess current regulatory and administrative compliance with the following items throughout each of HDOT's divisions:
    a. The Hawaii NPDES General Permit Authorizing Discharges of Storm Water and Certain Non-Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (Hawaii Small MS4 General Permit), Hawaii Administrative Rules, chapter 11-55, Appendix K;
    b. NPDES permit, Permit No. HI S000001, MS4 Permit for the HDOT-Highways, Oahu District;
    c. NPDES Permit, Permit No. HIS000005, MS4 Permit for the HDOT-Airports, Honolulu International Airport;
    d. Applicable Storm Water Management Plans (SWMPs); and
    e. This Consent Decree.
    f. Future NPDES MS4 permits and SWMPs issued to HDOT. This obligation shall not delay or prevent termination of the Consent Decree.
3. The audits shall include, but not be limited to, an evaluation of the following MS4 Program Elements as they relate to compliance at each of HDOT's three divisions:
    a. Public Education/Outreach and Participation/Involvement
    b. Illicit Discharge Detection and Elimination (including commercial/tenant oversight programs)
    c. Construction Site Runoff Control
    d. Post-Construction Runoff Control/ Permanent BMPs
    e. Pollution Prevention/ Good Housekeeping
    f. An analysis of how Staffing, Funding, Organizational Structure, Availability of Resources and Storm Water Program Sustainability impact MS4 compliance
4. HDOT shall audit Program Elements for the Harbors, Airports and Highways Divisions in accordance with the schedule defined in the Work Plan described in Paragraph B.1, below.

5. The audits shall be conducted by a qualified third party environmental consulting firm retained by HDOT and selected by a committee consisting of representatives of the HDOH and HDOT. The selection committee shall choose an audit firm which is experienced with environmental auditing and the permits and regulations described in Paragraph A.2, above.
6. The requirements of this Appendix related to the consulting firm's qualifications, authority to conduct the audits, and production of the HDOT Audit Reports (Audit Reports) shall be incorporated in any contract relating to the audits entered into by HDOT and the selected consulting firm to the extent allowed by State Procurement Code.
7. Any violations by HDOT discovered though the execution of the Environmental Compliance Audit detailed in this Appendix are neither "voluntarily discovered" within the terms of EPA's revised *Incentives for Self-Policing: Discovery, Disclosure, Correction and Prevention of Violations Policy* (Audit Policy) nor voluntarily disclosed to EPA under EPA penalty policies. Accordingly, any such violations are ineligible for penalty mitigation or other favorable treatment under the Audit Policy.
8. HDOT agrees not to attempt to use any state audit and/or privilege laws to restrict EPA's or HDOH's ability to review the Audit Reports at HDOT facilities to determine if the audits have been properly completed and HDOT has corrected any uncorrected non-compliance, potential violation, or deficiency as per its certification (see Paragraph F below). Also, HDOT agrees not to attempt to use any state audit and/or privilege laws to restrict EPA's or HDOH's ability to obtain, review and/or use the Audit Reports in any action to enforce the audit provisions of the Consent Decree. Neither information contained in the Audit Reports, nor underlying information upon which the Audit Reports relied, that indicates regulatory violations at any HDOT facility, shall be claimed as confidential business information by HDOT or its consulting firm.

B. Procurement of Services/Audit Work Plan

1. HDOT shall advertise a Request for Qualifications from third party audit firms to conduct the audits. Advertisement for the Request for Qualifications shall not exceed forty-five (45) days.
2. Within thirty (30) days of the end of the Request for Qualifications period, the HDOT and HDOH selection committee shall conduct the professional services selection of an audit firm and provide the recommendation to the Director.
3. Within fifteen (15) days of the selection committee recommendation to the Director of Transportation, or another length of time agreed to by EPA and HDOH, HDOT shall notify the potential audit firm with a letter of selection, pending negotiation of fees.
4. Within thirty (30) days or another length of time agreed to by EPA and HDOH, HDOT shall, as approved by the Director of Transportation, award the selected audit firm and proceed to process the contract for the audit work. Within seven (7) days of each milestone, HDOT shall notify EPA and HDOH by email that the following milestones were completed:
    a. Request for Qualifications advertisement;
    b. Awarding of contract between HDOT and the selected audit firm;
    c. Notice to Proceed on the Audit.
5. On or before September 16, 2016, HDOT shall submit a draft audit work plan (Audit Work Plan) to EPA and HDOH for review and approval. In developing the Audit Work Plan, HDOT shall consult EPA's guidance on auditing small MS4s:

http://www.epa.gov/npdes/pubs/ms4guide_withappendixa.pdf The Audit Work Plan shall include the following audit schedule and describe each task necessary to accomplish the Audit Scope with targeted time frames for the consulting firm to complete:

a. 3 months after the Audit Work Plan is approved: Evaluation of Post Construction/Permanent BMP programs for all three HDOT divisions;
b. 9 months after the Audit Work Plan is approved: Evaluation of Construction Site Runoff Control programs for all three HDOT divisions;
c. 15 months after the Audit Work Plan is approved: Evaluation of Public Outreach/Public Involvement for all three HDOT divisions;
d. 21 months after the Audit Work Plan is approved: Evaluation of Illicit Discharge Detection and Elimination, Industrial Commercial Activities/Tenant Programs for all three HDOT Divisions;
e. 27 months after the Audit Work Plan is approved: Evaluation of Pollution Prevention/Good Housekeeping for all three HDOT Divisions;
f. 33 months after the Audit Work Plan is approved: Evaluation of Staffing, Funding, Organizational Structure, Availability of Resources and Storm Water Program Sustainability for all three HDOT divisions.

6. The Audit Work Plan shall include, but is not limited to: the minimum documents to be reviewed (e.g. SWMPs, training records, inspection reports, etc.), minimum number of field verifications, as necessary, for each program element evaluated, deliverables (notices of potential violations, draft and final audit reports), and reporting deadlines.
7. EPA, after consultation with HDOH, may reject the draft Audit Work Plan in whole or in part. If EPA rejects the Audit Work Plan or any portion of it, EPA shall identify the reason(s) in writing to HDOT for such rejection and may require HDOT to redraft the Audit Work Plan in its entirety or part. EPA shall provide any comments to HDOT within forty-five (45) days.
8. If EPA and HDOH reject the Audit Work Plan in whole or part, HDOT shall resubmit a revised Audit Work Plan within one hundred and twenty (120) days. After submission of the revised Audit Work Plan, EPA, after consultation with HDOH, shall provide any comments to HDOT within forty-five (45) days. HDOT will review all comments and make all required modifications to the revised Audit Work Plan. If EPA does not provide written comments, the revised Audit Work Plan shall be deemed approved by EPA and HDOH.

C. Audits

1. HDOT shall take all appropriate measures to facilitate the audit firm in performing the audits in accordance with the approved Audit Work Plan.
2. HDOT shall grant the audit firm full access to and unrestricted review of all HDOT records, documents and information that the audit firm requires to complete the audits.

D. Reporting/Audit Reports

1. HDOT shall require the audit firm to provide preliminary written notice of any potential violations identified in any audit to HDOT, EPA and HDOH within 2 business days following an audit of a program element in Paragraph B.1, above.
2. HDOT shall require the audit firm to complete a draft audit report to HDOT within 45 days of completing an audit of a program element.
3. HDOT shall review the draft audit report to correct any factual inaccuracies within 30 days after receiving the draft audit report.
4. HDOT shall require the audit firm to complete a final audit report within 120 days, or another length of time agreed to by EPA and DOH, of completing an audit of a program element.
5. HDOT shall submit original draft and final audit reports to EPA and HDOH with the Annual Compliance Report (ACR).
6. HDOT shall provide a detailed summary of any actions taken as a result of the audit reports and dates at which those actions were taken with the ACR.
7. The HDOT Audit Reports shall contain:
    a. A specific statement of the procedures followed, HDOT sites and activities visited and all materials reviewed during the audits;
    b. Retrospective analysis of activities that may be outmoded, ineffective, insufficient, or excessively burdensome, and recommendations to modify, streamline, or expand them in accordance with what has been learned;
    c. An identification of deficiencies (items which, if not corrected, will lead to potential violations) and potential violations with the applicable SWMPs, this Consent Decree, and/or applicable permit and regulations, and recommendations for improvement;
    d. Identification of best practices and opportunities for information/technology transfer to be applied across all divisions; and
    e. An analysis of the practices implemented for each Division's program elements and a determination as to whether identified best practices can be universally implement across all three Divisions. If best practices cannot be universally implemented, the report shall clearly describe the identified impediments.
8. HDOT shall correct any deficiency or potential violation identified in the Audit Reports or otherwise discovered by HDOT as part of the audit process set forth herein within the time frames identified in Paragraph E below.

E. Corrections of Potential Violations and Deficiencies

1. HDOT shall correct any potential violations within 14 days of notification as described in D.1 of this Appendix, or another period of time agreed to by EPA and DOH. In order for EPA and DOH to agree to an extension, HDOT must provide a corrective action workplan, including a final compliance date, to EPA and HDOH.
2. HDOT shall correct any deficiencies within 21 days of receiving the draft Audit Report, or another period of time agreed to by EPA and HDOH. In order for EPA and HDOH to agree to an extension, HDOT must provide a corrective action workplan, including a final compliance date, to EPA and HDOH.
3. If HDOT corrects any violation discovered through the Audit process within the time frames described above, it shall not be subject any related stipulated penalties under Paragraph 30.

4. Notwithstanding anything in E.3 of this Appendix, the United States and HDOH reserve all legal and equitable remedies available to enforce the provisions of this Consent Decree or to obtain penalties or injunctive relief under the Act or its implementing regulations, or under other federal or State laws, regulations, or permit conditions, if HDOH or EPA independently discovers a violation of a permit, law, or statute.
5. Similarly, United States and HDOH, reserve all legal and equitable remedies available to enforce the provisions of this Consent Decree or to obtain penalties or injunctive relief under the Act or its implementing regulations, or under other federal or State laws, regulations, or permit conditions, if an activity or violation poses an immediate threat to human health or the environment.

F. Certifications

1. HDOT shall provide the following information and certifications to EPA and HDOH regarding completion of each audit and correction of any non-compliance or potential violation identified in the Audit Reports or otherwise discovered by HDOT as part of the audit process within an Environmental Compliance Audit section of the ACR. An authorized HDOT official shall certify that, to the best of the official's knowledge and information, the audits were conducted in accordance with the Work Plan described above, the Audit Reports are submitted to HDOT, EPA and HDOH in the ACR as described above, and all items of non-compliance identified in the Audit Reports have been corrected or steps have been taken to correct them. If all items have not been corrected, HDOT must include a schedule for correcting the issue.

Appendix B

PEAR 1 through 6 Guiding Questions

B1: PEAR #1 – Post-Construction / Permanent Best Management Practices

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
A	**Overall Approach**						
A1	Discuss the process chronologically in the order that a project would occur. Walk us through the process as if we were a developer proposing a project.						
B	**Laws/Rules/Regulations/Policies**						
B1	What legal authority does the permittee have to require post-construction BMPs on development sites and to ensure maintenance?						
B2	Does the permittee's legal authority address post-construction requirements for all projects disturbing one acre or more?						
B3	Does the legal authority require site design, source control, and stormwater treatment BMPs?						
B4	What exemptions do the laws/rules/regulations/policies or other legal authority allow?						
B5	What procedures for alternative compliance (i.e., planning-level BMPs and other non-structural controls) are allowed?						
B6	Does the legal authority authorize the permittee to require stormwater management plans to address post-construction impacts?						
B7	Do the laws/rules/regulations/policies outline the contents of an approvable plan and responsibilities for operation and maintenance of approved BMPs?						
C	**Post-Construction BMP Standards**						
C1	What technical guidance (e.g., BMP manual) does the permittee use as the standard for design and selection of post-construction BMPs? Note: It is not necessary to do a thorough review of the manual or standards used by the permittee.						
C2	Are project proponents required to follow a technical guidance manual?						
C3	Does the guidance provide siting and use criteria for the BMPs to ensure proper and adequate BMPs are being selected and implemented?						
C4	Does the guidance provide siting and use criteria for BMP selection based on the development context (i.e., BMP selection appropriate for ultra urban-areas versus those more appropriate for more rural settings with larger parcels)?						
C5	Are pollutants of concern that are typically generated by the proposed development type considered when selecting or approving BMPs?						
C6	Does the technical manual provide guidance on sizing, performance, and location of BMPs?						
C7	When was the BMP manual last updated?						
C8	Does the permittee have different requirements or standards for different types of developments (e.g., specific post-construction requirements for gas stations or automobile repair facilities)?						
C9	Does the permittee have design manuals related to land-efficient site designs (e.g. better site design, better models for large retailers)?						
C10	Does the permittee promote source control and site design standards to reduce the generation of pollutants in addition to treatment BMPs?						
C11	Does the permittee include in standards and manuals specifications for innovative site design practices, such as low-impact development and other techniques that manage runoff on-site?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
C12	Are project applicants encouraged or required to use vegetative BMPs that promote infiltration, such as swales, biofiltration practices, etc., where possible?						
C12	Does the permittee offer financial incentives to support post-construction stormwater goals (e.g., programs to support redevelopment, such as enterprise zones, or stormwater utility credits)?						
D	**Plan Review and Approval Procedures**						
D1	Which Division/District is responsible for post-construction stormwater plan review?						
D2	How many plan reviewers are there?						
D3	How many plans submitted for review (private and public projects) each year?						
D4	What is the project size threshold for the permittee to require post-construction BMPs?						
D5	Does the permittee apply standard conditions that incorporate post-construction installation and maintenance requirements into its plan review process?						
D6	Do plan reviewers use specific criteria or a checklist when reviewing plans?						
D7	Does the permittee consider pollutants of concern or whether the project discharges to a 303(d) listed impaired water when determining which BMPs are required?						
D8	Does the permittee consider such regional concerns as smart growth initiatives, watershed master plans, and other larger-scale planning efforts to ensure that each new development and redevelopment plan is consistent with the goals of these initiatives?						
D9	For up to three sets of post-construction plans provided by permitee:						
D9a	Are adequate BMPs included on plans, details, and drawings?						
D9b	What types of standard conditions or notes are included?						
D9c	Are maintenance requirements specified?						
D9d	Do the location of BMPs hinder maintenance?						
D10	What types of projects must be reviewed by the permittee for post-construction stormwater controls?						
D11	Does the permittee have a process to identify priority projects identified in the MS4 NPDES permit?						
D12	What types of standards or technical guidance do the permittee's reviewers use to review projects?						
D13	Does the permittee condition improvements to existing developments with requirements for post-construction stormwater controls? How are these redevelopment requirements triggered?						
E	**Post-Construction BMP Inventory**						
E1	How does the permittee track the installation and maintenance of post-construction BMPs?						
E2	Is your post-construction BMP inventory managed in a database and/or linked to GIS?						
E3	What information is collected?						
F	**BMP Inspection & Maintenance**						
F1	Does the permittee require maintenance agreements for all projects with post-construction BMPs?						
F2	Are as-built inspections conducted at the conclusion of a project to ensure the BMP has been built properly? What Division/District is responsible for this?						
F3	Do staff conduct these inspections or are they self-certified?						
F4	Does the permittee inspect private facilities or require inspections by owner/operators?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
F5	If the permittee performs the inspections, how often are they performed?						
F6	If owner/operators are required to inspect and maintain their BMPs, how is this authorized? Through a MOU? Through conditions of approval? Through another type of agreement?						
F7	How does the permittee ensure inspections are occurring? Reminder notices? Inspection reports?						
F8	Who is responsible for structural stormwater BMP maintenance (public and private)? Permitee? Owner?						
G	**Enforcement**						
G1	How does the permittee require proper maintenance and repair after the inspection?						
G2	What types of enforcement actions are provided by laws/rules/regulations/policies (e.g., notices of violation, abatement)?						
G3	Is the permittee's enforcement authority limited (e.g., limits on the dollar amount of fines, inability to issue civil penalties)?						
G4	How many enforcement actions have been taken in the past year due to lack of BMP maintenance?						
H	**Public Construction Projects**						
H1	For staff:						
H1a	Are plan reviewers trained on post-construction BMPs and requirements?						
H1b	What type of training do staff performing "as built" and post-construction inspections receive?						
H1c	How often are the trainings conducted?						
H1d	How many staff have been trained?						
H1e	What type of training or education does the permittee provide to developers and engineers on post-construction requirements?						
H2	For developers and plan designers:						
H2a	What types of educational materials have been developed and distributed to developers and designers regarding post-construction BMPs and application requirements?						
H2b	How are the materials distributed? At the permit desk? During inspections?						
H2c	What type of training does the permittee provide or advertise to local developers and designers?						
H2d	How often is this training conducted?						
H2e	How many developers and designers have been trained?						
H2f	Are they required to attend?						
I	**Consent Decree Questions**						
I1a	Have activities been identified that may be outmoded, ineffective, insufficient, or excessively burdensome?						
I1b	What are recommendations to modify, streamline, or expand such activities in accordance with what has been learned?						
I2a	Have deficiencies or potential violations been identified?						
I2b	What are recommendations for correcting these deficiencies or potential violations?						
I4	Have best practices and opportunities for information/technology transfer to be applied across all Divisions been identified? If so, describe.						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport **Small MS4 Permit** **HI 14KE349**	**Honolulu International Airport** **Individual Permit** **HI S000005**	**Honolulu Harbor** **Small MS4 Permit** **HI 03KB482**	**Kalaeloa Barbers Point Harbor** **Small MS4 Permit** **HI 03KB488**	**Maui District** **Small MS4 Permit** **HI 14KE352**	**Oahu District** **Individual Permit** **HI S000001**
I5	Can identified best practices be universally implemented across all three Divisions? Why or why not?						
I6	If best practices cannot be universally implemented, what are the identified impediments?						

B2: PEAR #2 – Construction Site Runoff Control

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
A	**Laws/Rules/Regulations/Policies**						
A1	What legal authority does the permittee have to require erosion and sediment control BMPs on construction sites and to ensure compliance?						
A2	Does the permittee's legal authority address stormwater quality for all projects disturbing at least 1 acre?						
A3	What exemptions do the laws/rules/regulations/policies or other legal authority allow?						
A4	Does the legal authority authorize the permittee to require erosion and sediment control plans?						
B	**Construction Site Inventory**						
B1	How does the permittee track construction projects?						
B2	Is the following information collected?						
B2a	The number and status (active/inactive/completed) of construction sites						
B2b	The number, frequency, results, and follow-up actions resulting from inspections						
B2c	The actions taken to resolve the issues and dates when compliance was achieved.						
B2d	The number and type of enforcement actions taken at sites in violation						
B2e	Complaints submitted by the public						
B3	Does the inventory include construction sites disturbing less than 1 acre?						
B4	What is the threshold for tracking projects?						
B5	Does the inventory track which sites have submitted an NOI for coverage under a state/EPA construction general permit?						
B6	How is the inventory updated? How often?						
B7	Does the permittee prioritize projects for more frequent or targeted inspections? If yes, based on what criteria?						
C	**Construction Requirements and BMPs**						
C1	What technical guidance (e.g., BMP manual or fact sheets) does the permittee use as the standard for design and selection of nonstructural and structural construction BMPs?						
C2	Are project applicants required to follow these technical manuals?						
C3	Does the guidance set minimum operation and maintenance requirements for BMPs?						
C4	Does the guidance include installation requirements for the BMPs?						
C5	Does the guidance provide proper siting and use criteria for BMPs to ensure that adequate BMPs are being selected and implemented?						
C6	Does the permittee provide guidance as to recommended BMPs to be used?						
C7	Does the permittee have different requirements or standards for different times of the year (i.e., during the rainy season vs. the dry season)?						
D	**Plan Review Procedures**						
D1	Does the permittee hold pre-application meetings on any construction project? Are stormwater and erosion and sediment control requirements addressed at these meetings?						
D2	What is the permittee's threshold for plan review? (For example, does the permittee review plans for all projects disturbing greater than 1 acre, or do they use another threshold?)						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
D3	Does the permittee apply standard conditions that incorporate erosion and sediment control requirements into its plan review process?						
D4	Do the plan reviewers verify whether the project applicant has submitted an NOI to the state or EPA? Is evidence of NOI submission required before a plan can be approved or a local permit issued?						
D5	Do plan reviewers use specific criteria or a checklist when reviewing plans?						
D6	Does the permittee consider during the review process whether the construction project discharges to a TMDL/impaired water?						
D7	For up to two construction plans provided:						
D7a	Are adequate BMPs included on plans?						
D7b	What types of standard conditions or notes are included?						
D7c	Are maintenance requirements specified?						
D7d	Are BMPs addressing other construction activities, such as materials storage and waste disposal, incorporated into the construction plans?						
D7e	Do the plans include notes addressing the prohibition of non-stormwater discharges?						
D7f	Were comments provided by the permittee to the project proponent reasonable and appropriate?						
E	**Construction Site Inspections**						
E1	Does the permittee adequately inspect the following phases of construction?						
E1a	Clearing and grubbing and site preparation						
E1b	Mass grading and public infrastructure/utility construction						
E1c	Building construction and final grading						
E1d	Final stabilization						
E2	What group is charged with erosion and sediment control inspections?						
E3	Do the inspectors use a checklist or inspection form during each inspection?						
E4	How many inspectors does the permittee use to verify erosion and sediment control compliance at construction sites?						
E5	Does this number appear adequate to assess active construction occurring in the permitted area? Compare this to the total number of construction sites that need to be inspected at any one time (number of inspections per construction site per year). Consider project durations and phasing, local conditions (e.g., dry vs. wet seasons), and additional duties assigned to inspectors.						
E6	Does the permittee have an established prioritization process for establishing inspection frequency? If so, on what factors is the prioritization based (i.e., size, proximity to water body, sensitive areas)?						
E7	How often are sites inspected?						
E8	Does the permittee target inspections during and immediately after wet weather events? If so:						
E8a	What size rain event triggers an inspection?						
E8b	How soon after a rain event?						
E9	Is there an established rainy season for the area? Are sites inspected prior to the start of the rainy season to determine preparedness?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
F	**Program Support and Resources**						
F1	Does the program have a dedicated source of funding to support plan review staff and inspectors?						
G	**Enforcement**						
G1	What types of enforcement actions are provided for in applicable laws/rules/regulations/policies (e.g., notices of violation, “stop work” orders, fines)?						
G2	Is use of these actions outlined in an established, escalating enforcement policy?						
G3	Review with the permittee statistics on enforcement of construction site erosion and sediment controls.						
G3a	How many enforcement actions are taken per year?						
G3b	Are follow-up inspections conducted to verify compliance?						
G4	Are there limitations on the permittee’s enforcement authority (e.g., limits on the dollar amount of fines, inability to issue civil penalties)?						
G5	Do staff feel that their enforcement authority is adequate to achieve compliance on construction projects?						
H	**Training and Education**						
H1	For staff:						
H1a	What type of training do construction inspectors receive? Are plan reviewers trained on erosion and sediment control BMPs and requirements?						
H1b	How often is training conducted?						
H1c	How many staff have been trained?						
H1d	What type of follow-up is conducted by the permittee to verify that the training is effective?						
H2	For construction operators:						
H2a	What types of educational materials have been developed and distributed to construction operators?						
H2b	How are the educational materials distributed?						
H2c	What type of training does the permittee provide or advertise to local construction operators?						
H2d	How often is this training conducted? How many construction site operators have been trained?						
H2e	Are contractors and developers required to attend?						
H2f	Are training sessions held in cooperation with other local permittees or regional authorities?						
I	**Public Construction Projects**						
I1	Do RFPs or contracts include language specifying stormwater requirements?						
I2	Are inspection and maintenance requirements specified in the contract?						
I3	What oversight does the permittee implement to ensure the contractor is implementing all requirements appropriately and adequately?						
I4	What penalties are in place to require compliance from the permittee’s contractors?						
J	**Consent Decree Questions**						
J1a	Have activities been identified that may be outmoded, ineffective, insufficient, or excessively burdensome?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
J1b	What are recommendations to modify, streamline, or expand such activities in accordance with what has been learned?						
J2a	Have deficiencies or potential violations been identified?						
J2b	What are recommendations for correcting these deficiencies or potential violations?						
J3	Have best practices and opportunities for information/technology transfer to be applied across all Divisions been identified? If so, describe.						
J4	Can identified best practices be universally implemented across all three Divisions? Why or why not?						
J5	If best practices cannot be universally implemented, what are the identified impediments?						

B3: PEAR #3 – Public Outreach / Public Involvement

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
A	**Goals and Objectives**						
A1	Does the permittee have a strategy document for education and participation?						
A2	Does the document include specific goals?						
A3	On what are the goals based?						
A4	Are the goals measurable? How?						
B	**Message Development**						
B1	Have specific messages been developed for stormwater outreach?						
B2	On what are the messages based? Pollutants of concern? General awareness? Problem target audience? All of the above?						
B3	Are different messages used for different target audiences (i.e., children, homeowners, industry, etc.) or is one central message used for all?						
B4	Do the messages encourage participation in stormwater-related activities?						
B5	Do the messages educate about behavior changes that the audience can make to contribute to a solution?						
B6	Have messages been developed specific to reducing illicit discharges with information about how to report them to the appropriate authorities?						
B7	Have messages been developed to educate pesticide, fertilizer, and herbicide applicators (including homeowners) about ways to reduce stormwater pollution?						
C	**Target Audiences**						
C1	Has the permittee identified target audiences for outreach efforts? How are these target audiences selected? What are the target audiences?						
C2	What land use groups (i.e., industry, commercial businesses) has the permittee targeted?						
C3	Have certain ethnic groups or nationalities been identified as audiences to be targeted based on an evaluation of local demographics?						
C4	Have the target groups been reevaluated based on evaluation of the strategy and progress that has been made?						
C5	For Phase I permittees: have they targeted pesticide, herbicide, and fertilizer applicators (including homeowners) and construction site operators for outreach?						
C6	For Phase II permittees: have they targeted industries or commercial businesses of concern for outreach?						
D	**Message Packaging**						
D1	Does the permittee have a variety of written educational materials?						
D2	Does the permittee have a variety of other packages (i.e., Web site, presentations, displays) for educational materials?						
D3	Did the permittee produce the education and outreach materials in the different languages that are spoken in the community?						
D4	Do the permittee's materials explain stormwater issues in easy-to-understand terms?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
E	**Distribution Mechanisms**						
E1	Does the permittee track distribution of materials to measure effectiveness?						
E2	Is the permittee focused solely on distribution or is an effort made to evaluate the impact of the messages?						
E3	Does the permittee use a variety of distribution mechanisms to target various audiences?						
F	**Evaluation Methods**						
F1	How does the permittee evaluate the effectiveness of the outreach strategy?						
F2	Has the permittee conducted a public awareness survey?						
F3	Which outreach materials have been the most effective in soliciting public involvement and participation? Changing audience behaviors? Increasing general stormwater awareness?						
F4	Have any changes been made to the outreach strategy or materials based on an evaluation of effectiveness?						
G	**Public Participation Activities**						
G1	What opportunities does the permittee give to the public to review and comment on any changes to the SWMP, such as public comment via a Web site, a public meeting, or a stormwater advisory group?						
G2	What volunteer opportunities (i.e., stream cleanups, storm drain stenciling) does the permittee coordinate or publicize to encourage the public to participate in stormwater-related activities?						
G3	Does the permittee sponsor or promote any of the following activities?						
G3a	Beach/stream/lake cleanups						
G3b	Volunteer stream monitoring						
G3c	Stream clean-ups or equivalent activities						
G3d	Stormwater citizen panel						
H	**Consent Decree Questions**						
H1a	Have activities been identified that may be outmoded, ineffective, insufficient, or excessively burdensome?						
H1b	What are recommendations to modify, streamline, or expand such activities in accordance with what has been learned?						
H2a	Have deficiencies or potential violations been identified?						
H2b	What are recommendations for correcting these deficiencies or potential violations?						
H3	Have best practices and opportunities for information/technology transfer to be applied across all Divisions been identified? If so, describe.						
H4	Can identified best practices be universally implemented across all three Divisions? Why or why not?						
H5	If best practices cannot be universally implemented, what are the identified impediments?						

B4: PEAR #4 – Illicit Discharge Detection and Elimination (IDDE) Program Element and Industrial Commercial Activities/Tenant (I/C) Program

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
A	**Legal Authority (IDDE)**						
A1	Does the permittee have laws/rules/regulations/policies to prohibit illicit discharges and dumping to the MS4?						
A2	What exclusions are included in laws/rules/regulations/policies?						
A3	What enforcement mechanisms are authorized in the event of an illicit discharge being detected?						
A4	Has an enforcement escalation plan been developed?						
B	**Mapping (IDDE)**						
B1	Does the permittee have a map showing storm drain pipes, outfalls, and storm drain inlets?						
B2	Is the map readily available to the personnel who would respond to an illicit discharge incident?						
B3	Does the permittee have a map of the storm drain system showing the locations of outfalls and municipally maintained structural stormwater controls?						
C	**Field Screening (IDDE)**						
C1	How are field screening areas identified?						
C2	Are areas of the MS4 prioritized based on incidents of illicit discharges, land use, dumping reports, etc.?						
C3	How often are field screening areas evaluated?						
C4	Are outfalls inspected during dry weather to identify any potential dry-weather discharges? What does the inspection include?						
C5	If dry-weather flows are present, are they being sampled to determine potential sources of pollutants? For what parameters?						
C6	Does the permittee have a database (or other method) to track locations of illicit discharges, spills, and illegal dumping?						
C7	Does the database track dry-weather monitoring or screening data?						
D	**Investigation of Potential Illicit Discharges (IDDE)**						
D1	Does the permittee have a procedure for tracing the source of an active illicit discharge?						
D2	Who performs the investigations?						
D3	Are these procedures written in a document or plan?						
D4	What equipment does the permittee use to find illicit discharges?						
D5	Does the permittee have equipment to videotape storm drains, or can it quickly contract out this work?						
D6	How are investigations tracked?						
D7	Has an enforcement response plan been adopted for use when an illicit discharge source has been located?						
E	**Spill Response and Prevention (IDDE)**						
E1	Does the permittee have a clear set of procedures in place that details who is responsible for responding to spills and emergency situations?						
E2	Do field staff have spill containment supplies in their vehicles, and are they trained to contain minor spills?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
E3	Is a contractor or other entity available for larger spills?						
E4	Does the permittee have the ability to collect cleanup and abatement costs from the responsible party?						
E5	How are spills and spill response tracked to ensure adequate reporting?						
F	**Public Awareness and Reporting Program (IDDE)**						
F1	Does the permittee prioritize subwatersheds or neighborhoods and assign resources for educational efforts based on frequency and types of illicit discharge incidents?						
F2	Is there a general phone number or “hotline” in the phone book or Web site that people can call to report a spill or dumping?						
F3	What types of public outreach materials are available to publicize public reporting?						
F4	Does the permittee track the number of public calls or complaints reporting illicit discharges?						
G	**Preventing Sanitary Sewer Discharges (IDDE)**						
G1	Has the permittee conducted any studies or evaluations to determine whether sanitary sewers are contributing pollutants to the MS4?						
G2	What is the extent of infiltration and inflow into the sanitary sewer system? How is this impacting discharge from the MS4?						
G3	If the permittee also operates a sanitary sewer system, do they have procedures to prevent sewage spills and SSOs to the MS4?						
H	**Education and Training (IDDE)**						
H1	What type of training do field staff (e.g., storm sewer maintenance crews, street sweepers) receive on spill response and IDDE?						
H2	Are staff generally educated about what illicit discharges are and how to report them?						
I	**Legal Authority (I/C)**						
I1	Does the Phase I permittee have the authority to require industrial and commercial facilities to implement stormwater BMPs?						
I2	Does the Phase I permittee have the authority to conduct inspections and enforce requirements?						
I3	What laws/rules/regulations/policies provide this legal authority?						
I4	What types of facilities are covered under this legal authority?						
I5	Who (e.g., specific staff, Division/District, etc.) has the authority to enforce the laws/rules/regulations/policies and/or inspect the facilities?						
I6	What exemptions do the laws/rules/regulations/policies or other legal authority allow?						
J	**Facility Inventory (I/C)**						
J1	Has the permittee completed an inventory of industrial/commercial facilities discharging to the stormwater system?						
J2	What types of facilities are included on the inventory?						
J3	What sources were used to create the inventory?						
J3A	Facilities that filed NOIs for EPA MSGP or state industrial general permit coverage?						
J3B	Significant industrial users within the pretreatment program?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
J3C	Business licenses?						
J3D	Phone book?						
J3E	"Windshield" survey?						
J4	Does the inventory include all the industrial/commercial facilities subject to the industrial general permit?						
J5	Does the permittee periodically check to see if new facilities that must be covered by an industrial stormwater general permit have filed an NOI?						
J6	What is the process for notifying the permitting authority of non-filers?						
J7	If applicable, does the inventory include all the facilities specified as required in the MS4 NPDES permit?						
J8	How is the inventory updated? How often?						
J9	What information is maintained about the facilities?						
J10	How is the inventory maintained and stored?						
J11	Does the permittee prioritize the facilities?						
J12	Is the prioritization based on facility type, past inspection or enforcement results, proximity to receiving waters, potential pollutant sources on-site, and so forth?						
J13	Is the prioritization used to determine frequency of inspections?						
J14	Has the permittee mapped the locations of prioritized facilities to cross-reference reports of dumping, illicit discharges, or other water quality issues?						
K	**Standards, BMPs and Outreach (I/C)**						
K1	Has the permittee adopted standards or BMPs that industrial/commercial facilities are required to implement (e.g., all car dealerships must install a wash rack plumbed to the sanitary sewer)?						
K2	Are the requirements for new developments only or are they triggered by improvements of existing facilities? Are there schedules for implementing retrofits?						
K3	Are these standards applicable to existing facilities, new facilities, or both?						
K4	Does the permittee refer facility operators to specific stormwater BMP or standards guidance documents?						
K5	What type of educational program has been developed for industrial and commercial facility operators?						
K6	What type of brochures, handouts, or guidance on BMPs is provided to these facilities by the permittee?						
K7	When is this information provided? During inspections? During training events? During professional organization presentations?						
L	**Staff Training (I/C)**						
L1	What type of training do the industrial and commercial inspectors receive?						
L2	How often?						
L3	If additional inspectors are used (e.g., food safety inspectors for restaurant inspections, pretreatment inspectors), are they trained specifically on stormwater BMPs and requirements? By whom?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
M	**Inspections (I/C)**						
M1	Who performs inspections and for what types of facilities (e.g., health inspectors for restaurants, pretreatment inspectors for industrial facilities with a pretreatment permit)						
M2	How often are industrial and commercial facilities inspected? How is the frequency determined?						
M3	Does the permittee's industrial/commercial inspector(s) use a standard checklist during inspections?						
M4	Is a report written after the inspection? How is the inspection documented in the file?						
M5	Does the permittee verify NPDES permit coverage for facilities?						
M6	For industrial facilities, does the inspector review the SWPPP and monitoring data during the inspection?						
M7	Does the permittee refer non-filers to the permitting authority?						
M8	Do inspectors provide educational materials during inspections? What types?						
M9	If multiple Divisions/Districts perform inspections, how is information transferred or cataloged?						
N	**Program Support and Resources (I/C)**						
N1	Does the program have a dedicated source of funding to support inspectors?						
O	**Enforcement (I/C)**						
O1	In instances of noncompliance, do the inspection staff use a formalized, approved enforcement escalation procedure?						
O2	How was the enforcement escalation procedure developed? Is it used? Is it effective?						
O3	Who is authorized to apply various enforcement procedures (e.g., NOVs, fines)?						
O4	What types of penalties are readily available to the inspection staff?						
O5	What is the most common method of gaining compliance (e.g., NOVs, fines, abatement)?						
O6	Can the permittee describe a recent non-compliance issue at an industrial/commercial facility? If so, how was compliance achieved?						
O7	At what point are non-compliance cases referred to the NPDES permitting authority? How many have been referred in the last 12 months?						
P	**Consent Decree Questions**						
P1a	Have activities been identified that may be outmoded, ineffective, insufficient, or excessively burdensome?						
P1b	What are recommendations to modify, streamline, or expand such activities in accordance with what has been learned?						
P2a	Have deficiencies or potential violations been identified?						
P2b	What are recommendations for correcting these deficiencies or potential violations?						
P3	Have best practices and opportunities for information/technology transfer to be applied across all Divisions been identified? If so, describe.						
P4	Can identified best practices be universally implemented across all three Divisions? Why or why not?						
P5	If best practices cannot be universally implemented, what are the identified impediments?						

B5: PEAR #5 – Pollution Prevention / Good Housekeeping Program

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
A	**Infrastructure Mapping and Characterization**						
A1	Does the permittee have a map showing all inlets, outfalls, storm drain conduits, stormwater management facilities, and receiving water bodies?						
A2	Does this map include catch basins and structural stormwater controls?						
A3	Is the map readily available and used by maintenance field staff when performing maintenance activities?						
A4	Is the map in hard copy format only or is it also in a geographic information system (GIS)?						
A5	Are infrastructure assets or components named or numbered to better track necessary maintenance and repairs?						
A6	Is information regarding stormwater infrastructure maintained in a database or mapping system? What types of data are maintained?						
A6a	Type of structure or asset						
A6b	Location (address, latitude/longitude)						
A6c	Photo						
A6d	Date built						
A6e	Date last inspected						
A6f	Date last cleaned/maintained						
B	**Catch Basin Cleaning**						
B1	Does the permittee have a schedule for routine maintenance or cleaning of catch basins?						
B1a	How many are cleaned and how often?						
B1b	Has the permittee targeted certain areas for more frequent maintenance?						
B1c	Does the permittee set goals for how many basins are inspected and cleaned each year?						
B1d	How does the permittee track and record cleaning and maintenance needs?						
B1e	What information is documented? Does the permittee track which catch basins are cleaned, how much material is removed, and so forth?						
B1f	How does the permittee use the data collected to further its program or evaluate program effectiveness? Are the data used to help prioritize cleaning frequency? Are they used to identify areas for targeted outreach?						
B2	What are the permittee's procedures for disposing of waste removed from catch basins or storm drains?						
B2a	Does the permittee flush material that could potentially discharge to surface water?						
B2b	If the material is removed using a wet vacuum, how is the material dewatered? How is the decanted water disposed?						
B3	Does the permittee have a schedule for routine maintenance or inspection of storm drain pipes?						
B4	What are the permittee's maintenance procedures for cleaning clogged storm drain pipes?						
C	**Stormwater Management Structures**						
C1	Are catch basins and other inlet structures marked so that the public knows they drain to surface waters?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
C2	Has the permittee inventoried the type and location of public stormwater management structures in its jurisdiction? How are the data collected and stored?						
C2a	Pump stations						
C2b	Drainage structures (debris basins, detention basins, regional ponds, etc.)						
C2c	Structural treatment controls						
C2d	Open channels						
C3	How is vegetation maintained in grassed swales, rain gardens, pond perimeters, and other vegetated stormwater controls?						
C4	Has the permittee mapped private stormwater management structures?						
C5	How often are these facilities inspected?						
C6	Are the stormwater management structures regularly maintained by the permittee?						
C6a	Are records kept of material and debris removed during maintenance?						
C6b	How is maintenance conducted? Are chemicals used to maintain vegetation and pests?						
C7	How does the permittee use the data collected to further its program or evaluate program effectiveness? Are the data used to help prioritize cleaning frequency? Are they used to identify areas for targeted outreach based on type and volume of materials removed?						
D	**Street Sweeping**						
D1	Does the permittee regularly sweep streets? Public parking lots?						
D2	What is the schedule for street sweeping?						
D3	Are areas scheduled for sweeping based on aesthetics only or is consideration given for reducing impacts on the stormwater management infrastructure and surface water?						
D4	What types of sweepers are used? Wet or dry?						
D5	How is street-sweeping debris disposed? If the debris is dewatered, how is this done? How is the decanted water disposed?						
D6	Are records kept of the amount of debris collected?						
D7	How does the permittee use the data collected to further its program or evaluate program effectiveness? Are the data used to help prioritize cleaning frequency?						
E	**Public Streets, Roads and Highway Maintenance**						
E1	What types of public streets, roads, and highways operation and maintenance practices and procedures are performed by the permittee?						
E2	Are BMPs used by field crews to minimize stormwater impacts during road maintenance or repair activities?						
E3	What types of BMPs are used? Discuss BMPs used for such activities as:						
E3a	Ditch cleaning						
E3b	Sidewalk repair						
E3c	Asphalt patching						
E3d	Curb and gutter repair						
E3e	Street striping						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
E3f	Sign painting						
E3g	Maintaining dirt and gravel roads (preventing erosion, dust control)						
F	**Facility Inventory**						
F1	Does the permittee have an inventory of public facilities? At a minimum, this list should include the following, as applicable:						
F1a	Public works yards						
F1b	Public transit facilities						
F1c	Wastewater and domestic water treatment plants						
F1d	Sanitary sewer system overflow locations						
F1e	Public parks/open areas						
F1f	Public parking lots						
F1g	Public buildings						
F1h	Landfills and hazardous waste disposal sites, transfer locations, or storage facilities						
F2	Have the facilities been inspected and assessed for water quality impacts?						
F3	Are any facilities required to apply for coverage under a general industrial permit? Do these facilities have SWPPPs?						
G	**Chemical and Hazardous Material Use and Disposal**						
G1	What types of chemicals or hazardous materials are used by the permittee?						
G2	Where are these materials stored?						
G3	Has the permittee implemented an alternative materials program to reduce the use of hazardous materials?						
G4	Has the permittee implemented an inventory reduction program to reduce the quantity of chemicals and hazardous materials stored and used?						
G5	Does the permittee have a household hazardous waste collection center for the public?						
G5a	Are records of the quantity of materials collected maintained by type of material?						
G5b	How does the permittee notify the public of these sites?						
G6	Does the permittee have special household hazardous waste collection days?						
G7	How does the permittee use the data collected to further its program or evaluate program effectiveness? Are the data used to help prioritize maintenance frequency? Are they used to identify areas of targeted outreach?						
H	**Pesticide, Herbicide and Fertilizer Application and Management**						
H1	What kind of program has been established to address pollutants associated with the application of pesticides, herbicides, and fertilizer at public facilities?						
H2	Are the permittee's fertilizer/pesticide applicators certified? Are permits or other certifications required?						
H3	Where are the chemicals stored? Are appropriate procedures and secondary containment followed?						
H4	Is there a pesticide/fertilizer application plan?						
H5	Does the permittee practice integrated pest management (IPM) or use alternatives to pesticides?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
H6	How does the permittee implement alternative landscaping to minimize the use of fertilizers and pesticides?						
H7	What types of educational activities does the permittee conduct for applicators?						
H8	What types of BMPs are used during application of pesticides in public rights-of-way?						
H9	What types of BMPs are used during application of pesticides at municipal facilities such as parks?						
I	**Municipal Staff**						
I1	Have standard operating procedures or their equivalent been developed to ensure that municipal field staff integrate stormwater quality BMPs into their daily activities?						
I2	Have BMPs or standards been officially adopted by the permittee for use by municipal field staff?						
I3	What reference materials or guidance documents are provided to field staff regarding BMP specifications and details?						
I4	How does the permittee ensure that staff are fulfilling their responsibilities as outlined in standard operating procedures? Do managers provide oversight on a regular basis?						
J	**Contracted Services Staff**						
J1	Does the permittee require contractors to incorporate stormwater quality BMPs into their activities?						
J2	How are BMPs required? Are the requirements outlined in requests for proposals? Are they included in contracts?						
J3	Have BMPs or standards been officially adopted by the permittee for use by contractual staff?						
J4	What reference materials or guidance documents are provided to contractual staff regarding BMP specifications and details?						
J5	How does the permittee ensure that contractors are fulfilling their responsibilities as outlined in their contracts? Are inspections performed? Are periodic reports submitted?						
K	**Training and Education**						
K1	What type of general stormwater training is provided to staff that are not involved in field activities? How often?						
K2	How are new employees trained?						
K3	What types of activity-specific training is provided to field staff? Is information on specific BMPs provided?						
K4	Is any training provided to contract staff?						
L	**Consent Decree Questions**						
L1a	Have activities been identified that may be outmoded, ineffective, insufficient, or excessively burdensome?						
L1b	What are recommendations to modify, streamline, or expand such activities in accordance with what has been learned?						
L2a	Have deficiencies or potential violations been identified?						
L2b	What are recommendations for correcting these deficiencies or potential violations?						
L3	Have best practices and opportunities for information/technology transfer to be applied across all Divisions been identified? If so, describe.						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
L4	Can identified best practices be universally implemented across all three Divisions? Why or why not?						
L5	If best practices cannot be universally implemented, what are the identified impediments?						

B6: PEAR #6 – Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
A	**SWMP Planning Documents**						
A1	Has a SWMP Plan been developed? If so, when? Last revised?						
A2	Is there a schedule for revision of the SWMP plan?						
A3	Is there an additional MS4-wide document, plan, or program? Who developed it?						
A4	How were internal and external stakeholders included in the development or revision of the SWMP plan?						
B	**Staff Inventory and Organization**						
B1	Does the permittee have a person designated to lead and coordinate the stormwater program and activities?						
B2	Does the SWMP planning document include an organization chart listing responsible parties for each SWMP component?						
C	**Performance Standards or Goals**						
C1	Has the permittee established measurable goals or performance standards for program components?						
C2	If performance standards have been established, are they measurable or are they essentially BMP recommendations with level of service (i.e., number of miles swept) requirements?						
C3	Does the permittee attempt to quantify or assess a program or a BMP's water quality impact or effectiveness as opposed to merely tracking level of service?						
D	**Prioritization of Resources**						
D1	Has the permittee identified specific pollutants of concern for its local water bodies?						
D2	Are these pollutants of concern consistent with priorities identified in the 303(d)-listed impairments for local water bodies?						
D3	Are these pollutants of concern consistent with any water quality monitoring data or studies conducted by the permittee or another agency?						
D4	Has the permittee developed strategies to specifically address those pollutants?						
D5	How does the permittee decide on program priorities? Are these reassessed periodically?						
D6	Does the SWMP include a schedule of activities?						
D7	Does the MS4 discharge to a water body on the state's list of impaired waters?						
D7a	What pollutants are identified on the list?						
D7b	Has stormwater been identified as a source?						
D7c	Does the SWMP specifically address this pollutant?						
D7d	Does the SWMP identify BMPs specifically for sources or discharges to the listed water body						
D8	Has a TMDL been developed for a water body to which the MS4 discharges and for which stormwater has been identified as a pollutant source?						
D8a	What pollutants are addressed in the TMDL?						
D8b	Does the TMDL specifically address (or include wasteload allocations for) stormwater?						
D8c	Has the corrective action plan or other planning to address TMDLs been reviewed for integration with the SWMP?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
D8d	Does the permittee's stormwater program address the pollutants of concern identified in the TMDL?						
D9	Is the permittee participating in any watershed planning efforts?						
D10	Have any goals been developed based on watershed issues, strategies, or challenges?						
D11	Has the permittee established a set of indicators or parameters to assess progress toward meeting the goal(s) of the watershed plan?						
D12	Is the permittee's stormwater program implemented on a watershed basis?						
E	**Assessment and Evaluation of Programs**						
E1	Does the permittee regularly measure progress against the established performance standards and goals?						
E2	Are the goals quantifiable?						
E3	Is the permittee analyzing data in the annual report to identify program activities that may need to change to address problem areas?						
E4	Has the SWMP been altered based on this evaluation?						
F	**Assessment and Evaluation of BMPs**						
F1	Is the permittee able to track both structural BMPs and non-structural BMPs and activities?						
F2	Has the permittee set measurable goals or performance standards to evaluate individual BMPs and activities or suites of BMPs that address a particular pollutant source?						
F3	Is there a process to evaluate or revise individual BMPs and suites of BMPs when receiving water outcomes or endpoints are not being met?						
F4	Do assessments evaluate impacts of BMPs on ground water?						
F5	Is the permittee analyzing data in the annual report to identify individual BMPs or suites of BMPs that may need to change to address problem areas?						
G	**Assessment and Evaluation of Water Quality**						
G1	Has the permittee documented environmental, water quality, stream corridor, habitat, or other types of improvements?						
G2	Has the permittee estimated reductions in pollutant loadings from the MS4 or other quantifiable water quality benefits expected as the result of the municipal stormwater program?						
H	**Dry & Wet Weather Outfall Screening and Monitoring (If Applicable)**						
H1	Does the permittee conduct dry or wet weather screening at outfalls to characterize stormwater flows from the MS4?						
H2	Does the permittee have written screening procedures?						
H3	What is the permittee's schedule for screening the sites?						
H4	Are parts of the permit area prioritized for screening based on incidents of illicit discharges, land use, dumping reports, etc.?						
H5	What parameters are being tested?						
H6	How does the permittee prioritize sites for follow-up (e.g., magnitude and nature of suspected discharge)?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
H7	Who conducts the sampling? What kind of training have sampling personnel received?						
H8	What type of records are kept?						
H8a	Analytical results						
H8b	Date and duration (in hours) of the storm events sampled (rainfall data)						
H8c	Rainfall measurements or estimates (in inches) of the storm event which generated the sampled runoff (rainfall data)						
H8d	Duration (in hours) of the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event (rainfall data)						
H8e	Estimate of the total flow of the discharge sampled (stage and velocity)						
H9	What analytical methods are used (i.e., 40 CFR Part 136)?						
H10	What are the results of the initial sampling and analysis?						
H11	Has the permittee made any changes to the monitoring program based on past results and experience?						
H12	How have monitoring results been used to assess program components?						
H13	Are monitoring data used to estimate pollutant loads for a TMDL?						
I	**Biological Monitoring (If Applicable)**						
I1	Does the permittee perform biological sampling?						
I2	Has a plan been developed to conduct biological sampling? If so, does the plan include the following:						
I2a	Identification of sampling stations and rationale for selection						
I2b	Location of known major MS4 outfalls discharging to water bodies in which sampling stations were chosen						
I2c	Land use activities near sampling stations						
I2d	Frequency of monitoring						
I3	Who conducts biological sampling and what training have they received?						
I4	Has the permittee made any changes to the monitoring program based on past results and experience?						
I5	How have monitoring results been used to assess program components?						
J	**Ambient Monitoring (If Applicable)**						
J1	Does the permittee conduct ambient monitoring to characterize water quality conditions in receiving waters?						
J2	How were the sampling sites selected?						
J3	Is sampling conducted both during dry weather and wet weather?						
J4	What is the frequency of sampling?						
J5	What parameters are analyzed? What sampling and analytical methods have been used?						
J6	Does the permittee have a written protocol or procedures for this sampling program?						
J7	Who conducts the sampling and what training have they received?						
J8	Has the permittee made any changes to the monitoring program based on past results and experience?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
J9	How have monitoring results been used to assess program components?						
J10	Are monitoring data used to estimate pollutant loads for a TMDL?						
K	**Data Collection and Reporting**						
K1	What reporting requirements are included in the MS4 NPDES permit?						
K2	For co-permittees or Phase II permittees that rely on other entities to implement required elements of the program, how are data provided or reported?						
K3	How are the required data collected, tracked, and reported?						
K3a	Is there a database?						
K3b	Are there reporting forms?						
K4	Are there internal reporting deadlines within the municipal program structure?						
K5	Are the appropriate data being collected by the permittee to be able to measure effectiveness and determine if performance standards are being met?						
K6	How are data disseminated to those who use them, if at all?						
L	**Consent Decree Questions**						
L1a	Have activities been identified that may be outmoded, ineffective, insufficient, or excessively burdensome?						
L1b	What are recommendations to modify, streamline, or expand such activities in accordance with what has been learned?						
L2a	Have deficiencies or potential violations been identified?						
L2b	What are recommendations for correcting these deficiencies or potential violations?						
L3	Have best practices and opportunities for information/technology transfer to be applied across all Divisions been identified? If so, describe.						
L4	Can identified best practices be universally implemented across all three Divisions? Why or why not?						
L5	If best practices cannot be universally implemented, what are the identified impediments?						

Appendix C

PEAR 1 through 6 Schedule

C1: PEAR #1 – Schedule for Post-Construction / Permanent Best Management Practices

Appendix C1: Schedule for PEAR #1 – Post-Construction / Permanent Best Management Practices

1. Notice of Audit
- Within 7 Days of AWPC
- Within 7 Days of Last Milestone
- By Wednesday 22 March 2017

2. Records Request
- Within 14 Days of AWPC
- Within 7 Days of Last Milestone
- By Wednesday 29 March 2017

3. Fulfillment of Records Request
- Within 43 Days of AWPC
- Within 29 Days of Last Milestone
- By Thursday 27 April 2017

4. Records Review Complete
- Within 57 Days of AWPC
- Within 14 Days of Last Milestone
- By Thursday 11 May 2017

5. Pre-Onsite Evaluation Conference Call
- Within 64 Days of AWPC
- Within 7 Days of Last Milestone
- By Thursday 18 May 2017

6. Completion of Onsite Evaluation
- Within 82 Days of AWPC
- Within 18 Days of Last Milestone
- By Monday 5 June 2017

The table below provides a preliminary schedule for the onsite evaluation week.

Appendix C1: Schedule for PEAR #1 – Post-Construction / Permanent Best Management Practices

Airports		Harbors		Highways	
Kahului Airport **Small MS4 Permit** **HI 4KE349**	**Honolulu International Airport** **Individual Permit** **HI S000005**	**Honolulu Harbor** **Small MS4 Permit** **HI 03KB482**	**Kalaeloa Barbers Point Harbor** **Small MS4 Permit** **HI 03KB488**	**Maui District** **Small MS4 Permit** **HI 14KE352**	**Oahu District** **Individual Permit** **HI S000001**
76 Days After AWPC	77 Days After AWPC	79 Days After AWPC	82 Days After AWPC	76 Days After AWPC	78 Days After AWPC
Tuesday 30 May 2017	Wednesday 31 May 2017	Friday 2 June 2017	Monday 5 June 2017	Tuesday 30 May 2017	Thursday 1 June 2017
8am – 9am Kickoff Meeting [See Note (a)]	**8am – 9am** Kickoff Meeting [See Note (a)]	**8am – 9am** Kickoff Meeting [See Note (a)]	**8am – 9am** Kickoff Meeting [See Note (a)]	**1pm – 2pm** Kickoff Meeting [See Note (a)]	**8am – 9am** Kickoff Meeting [See Note (a)]
9am – 11am Onsite Evaluation [See Note (b)]	**9am – 11am** Onsite Evaluation [See Note (b)]	**9am – 11am** Onsite Evaluation [See Note (b)]	**9am – 11am** Onsite Evaluation [See Note (b)]	**2pm – 4pm** Onsite Evaluation [See Note (b)]	**9am – 11am** Onsite Evaluation [See Note (b)]
BMP 1: OGG CONRAC, location tentative	*BMP 1:* Pervious pavement and bioswale systems, NDWP New Employee Parking Lots at Elliott St.	*BMP 1*: Alaska Marine Lines, Pier 29	*BMP 1:* GLP Asphalt Facility	[BMPs will be inspected only if they are installed by this time] See Records Request. No BMPs to inspect. Meeting only.	*BMP 1:* University Ave. Bioswales, In median of H-1 ramps to University Ave. on makai side of freeway
BMP 2: Wash rack, location tentative	*BMP 2:* Contech CDS 2025 System and FloGuard drop inlet filtration insert, NDWP Diamondhead Site Improvements, GSE Lot fronting Hardstand 3	*BMP 2:* Matson Auto Facility, Pier 32	[Additional BMPs will be inspected only if they are installed by this time] Spencer Yim confirmed via phone on 4-18-17 that no additional BMPs have been installed.		*BMP 2:* Fort Weaver Rd. CDS Units, Fort Weaver Rd., Ewa
[An additional BMP will be inspected only if one is installed by this time]	*BMP 3:* Bioswale system, Kalewa St Storage Lots 1-6, Corner of Lagoon and Kalewa St.	*BMP 3:* HC&D Facility, Pier 60 Replaced with UH Marine Center Pier 35, per 4-18-17 Call with Spencer Yim			*BMP 3:* Luluku Storm Water Treatment System, H-3/Likelike interchange, Kaneohe
11am – 12pm Debrief Meeting [See Note (c)]	**11am – 12pm** Debrief Meeting [See Note (c)]	**11am – 12pm** Debrief Meeting [See Note (c)]	**11am – 12pm** Debrief Meeting [See Note (c)]	**4pm – 5pm** Debrief Meeting [See Note (c)]	**11am – 12pm** Debrief Meeting [See Note (c)]

Notes:
(a) MS4 Permit Coordinators will have the opportunity to present information on their program during the Kickoff Meeting. At least a half hour should be available for MS4 Permit Coordinators (or their designees) to present.

(b) The Audit Team will then verify that up to three (3) structural and source control BMPs approved by each permittee and subject to post-construction requirements were installed and are being maintained properly in the field. Approved plans and inspection records for each BMP will have been reviewed ahead of the onsite evaluation (during the records review period). The BMPs identified in this Appendix are preliminary and are subject to modification.

(c) The Debrief Meeting will be limited to discussing any findings that need clarification and any required communication moving forward.

7. End of Post-Onsite Evaluation Review Period
- Within 90 Days of AWPC
- **Consent Decree Deadline:** Within 90 Days of AWPC
- Within 8 Days of Last Milestone
- By Tuesday 13 June 2017

8. Completion of Draft PEAR & Distribution to MS4 Permit Coordinators
- Within 135 Days of AWPC
- **Consent Decree Deadline:** Within 135 Days of AWPC
- Within 45 Days of Last Milestone
- By Friday 28 July 2017

9. Written Request for Clarification and Corrections
MS4 Permit Coordinators to HDOT PM
- Within 162 Days of AWPC
- Within 27 Days of Last Milestone
- By Thursday 24 August 2017

10. Written Request for Clarification and Corrections
HDOT PM to Audit PM
- Within 163 Days of AWPC[1]
- **Consent Decree Deadline:** Within 165 Days of AWPC
- Within 1 Days of Last Milestone
- By Friday 25 August 2017

11. Completion of Final PEAR
- Within 183 Days of AWPC[2]
- **Consent Decree Deadline:** 210 Days of AWPC
- Within 20 Days of Last Milestone
- By Thursday 14 September 2017

[1] This deadline is 2 days ahead of the CD Deadline as the CD Deadline falls on a Sunday.
[2] The main Audit Work Plan Section 5.3.3 provides an explanation of why this document is submitted ahead of the CD deadline.

C2: PEAR #2 – Schedule for Construction Site Runoff Control

1. Notice of Audit
- Within 190 Days of AWPC
- Within 7 Days of Last Milestone
- By Thursday 21 September 2017

2. Records Request
- Within 197 Days of AWPC
- Within 7 Days of Last Milestone
- By Thursday 28 September 2017

3. Fulfillment of Records Request
- Within 226 Days of AWPC
- Within 29 Days of Last Milestone
- By Friday 27 October 2017

4. Records Review Complete
- Within 239 Days of AWPC
- Within 13 Days of Last Milestone
- By Thursday 9 November 2017

5. Pre-Onsite Evaluation Conference Call
- Within 246 Days of AWPC
- Within 7 Days of Last Milestone
- By Thursday 16 November 2017

6. Completion of Onsite Evaluation
- Within 261 Days of AWPC
- Within 15 Days of Last Milestone
- By Friday 1 December 2017

The table below provides a preliminary schedule for the onsite evaluation week.

Appendix C2: Schedule for PEAR #2 - Construction Site Runoff Control

Airports		Harbors		Highways	
Kahului Airport **Small MS4 Permit** **HI 4KE349**	**Honolulu International Airport** **Individual Permit** **HI S000005**	**Honolulu Harbor** **Small MS4 Permit** **HI 03KB482**	**Kalaeloa Barbers Point Harbor** **Small MS4 Permit** **HI 03KB488**	**Maui District** **Small MS4 Permit** **HI 14KE352**	**Oahu District** **Individual Permit** **HI S000001**
257 Days After AWPC Monday 27 November 2017 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] *Construction Site #1:* OGG Consolidated Rent A Car Facility, Kahului Airport, Near Hemaloa St and Keolani Pl. *Construction Site #2:* OGG Vehicle Washrack Installation, AOA side, Near Cargo Building and Triturator **11am – 12pm** Debrief Meeting [See Note (c)]	258 Days After AWPC Tuesday 28 November 2017 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] *Construction Site #1:* HNL Consolidated Rent A Car Facility, Rent-A-Car Lots, Corner of Aolele, Rodgers, Paiea St. *Construction Site #2:* HNL NDWP IIT Mauka Extension, Mauka Interisland Terminal, Existing Commuter Air Terminal **11am – 12pm** Debrief Meeting [See Note (c)]	260 Days After AWPC Thursday 30 November 2017 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] *Construction Site #1:* New Kapalama Container Yard, Kapalama, Honolulu Harbor *Construction Site #2:* Piers 24-29 Utilities **11am – 12pm** Debrief Meeting [See Note (c)]	261 Days After AWPC Friday 1 December 2017 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] [Unable to forecast construction projects; will be re-contacted by Kennedy/Jenks Consultants closer to the date] **11am – 12pm** Debrief Meeting [See Note (c)]	257 Days After AWPC Monday 27 November 2017 **1pm – 2pm** Kickoff Meeting [See Note (a)] **2pm – 4pm** Onsite Evaluation [See Note (b)] *Construction Site #1:* Kuihelani Highway Resurfacing [An additional construction site will be inspected only if one is active at this time] **4pm – 5pm** Debrief Meeting [See Note (c)]	259 Days After AWPC Wednesday 29 November 2017 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] [Unable to forecast construction projects; will be re-contacted by Kennedy/Jenks Consultants closer to the date] **11am – 12pm** Debrief Meeting [See Note (c)]

Notes:
(a) MS4 Permit Coordinators will have the opportunity to present information on their program during the Kickoff Meeting. At least a half hour should be available for MS4 Permit Coordinators (or their designees) to present.

(b) The Audit Team will then accompany construction inspectors as they conduct up to two (2) inspections. The purpose of the field evaluation is to assess the permittee's construction inspection program—how knowledgeable the inspectors are about stormwater requirements and BMPs, how thorough of an inspection they conduct, and how they handle problems identified at construction sites. The construction sites identified in this Appendix are preliminary and are subject to modification.

(c) The Debrief Meeting will be limited to discussing any findings that need clarification and any required communication moving forward.

7. End of Post-Onsite Evaluation Review Period
- Within 268 Days of AWPC[1]
- **Consent Decree Deadline:** Within 270 Days of AWPC
- Within 7 Days of Last Milestone
- By Friday 8 December 2017

8. Completion of Draft PEAR & Distribution to MS4 Permit Coordinators
- Within 313 Days of AWPC[2]
- **Consent Decree Deadline:** Within 315 Days of AWPC
- Within 45 Days of Last Milestone
- By Monday 22 January 2018

9. Written Request for Clarification and Corrections
MS4 Permit Coordinators to HDOT PM
- Within 338 Days of AWPC
- Within 25 Days of Last Milestone
- By Friday 16 February 2018

10. Written Request for Clarification and Corrections
HDOT PM to Audit PM
- Within 342 Days of AWPC[2]
- **Consent Decree Deadline:** Within 345 Days of AWPC
- Within 4 Days of Last Milestone
- By Tuesday 20 February 2018

11. Completion of Final PEAR
- Within 362 Days of AWPC[3]
- **Consent Decree Deadline:** 390 Days of AWPC
- Within 20 Days of Last Milestone
- By Monday 12 March 2018

[1] This deadline is 2 days ahead of the CD Deadline as the CD Deadline falls on a Sunday.
[2] The deadline is ahead of the CD Deadline due to the required shift in the #7 deadline.
[3] The main Audit Work Plan Section 5.3.3 provides an explanation of why this document is submitted ahead of the CD deadline.

C3: PEAR #3 – Schedule for Public Outreach / Public Involvement

Appendix C3: Schedule for PEAR #3 - Public Outreach / Public Involvement Program

1. Notice of Audit

- Within 369 Days of AWPC
- Within 7 Days of Last Milestone
- By Monday 19 March 2018

2. Records Request

- Within 377 Days of AWPC
- Within 8 Days of Last Milestone
- By Tuesday 27 March 2018

3. Fulfillment of Records Request

- Within 420 Days of AWPC
- Within 43 Days of Last Milestone
- By Wednesday 9 May 2018

4. Records Review Complete

- Within 450 Days of AWPC
- **Consent Decree Deadline:** Within 450 Days of AWPC
- Within 30 Days of Last Milestone
- By Friday 8 June 2018

For this Program Element, the end of the records review period represents the completion of evaluation. No onsite evaluation will occur for this program element. It is expected that several conference calls between the Audit Team, HDOT PM, and MS4 Permit Coordinators may be conducted during the records review period. If requested by the Audit Team or MS4 Permit Coordinator, an in-person meeting may be scheduled during this period.

Airports		Harbors		Highways	
Kahului Airport **Small MS4 Permit** **HI 4KE349**	**Honolulu International Airport** **Individual Permit** **HI S000005**	**Honolulu Harbor** **Small MS4 Permit** **HI 03KB482**	**Kalaeloa Barbers Point Harbor** **Small MS4 Permit** **HI 03KB488**	**Maui District** **Small MS4 Permit** **HI 14KE352**	**Oahu District** **Individual Permit** **HI S000001**
Between 19 March 2018 and 8 June 2018, conference calls and in-person meetings will be scheduled as needed.	Between 19 March 2018 and 8 June 2018, conference calls and in-person meetings will be scheduled as needed.	Between 19 March 2018 and 8 June 2018, conference calls and in-person meetings will be scheduled as needed.	Between 19 March 2018 and 8 June 2018, conference calls and in-person meetings will be scheduled as needed.	Between 19 March 2018 and 8 June 2018, conference calls and in-person meetings will be scheduled as needed.	Between 19 March 2018 and 8 June 2018, conference calls and in-person meetings will be scheduled as needed.

5. – 7. Not Applicable (See #4)

8. Completion of Draft PEAR & Distribution to MS4 Permit Coordinators

- Within 495 Days of AWPC
- **Consent Decree Deadline:** Within 495 Days of AWPC
- Within 45 Days of Last Milestone
- By Monday 23 July 2018

9. Written Request for Clarification and Corrections
MS4 Permit Coordinators to HDOT PM

- Within 523 Days of AWPC
- Within 28 Days of Last Milestone
- By Monday 20 August 2018

10. Written Request for Clarification and Corrections
HDOT PM to Audit PM

- Within 525 Days of AWPC
- **Consent Decree Deadline:** Within 525 Days of AWPC
- Within 2 Days of Last Milestone
- By Wednesday 22 August 2018

11. Completion of Final PEAR

- Within 545 Days of AWPC[1]
- **Consent Decree Deadline:** 570 Days of AWPC
- Within 20 Days of Last Milestone
- By Tuesday 11 September 2018

[1] The main Audit Work Plan Section 5.3.3 provides an explanation of why this document is submitted ahead of the CD deadline.

C4: PEAR #4 – Schedule for Illicit Discharge Detection and Elimination (IDDE) Program Element and Industrial Commercial Activities/Tenant (I/C) Program

Appendix C4: Schedule for PEAR #4 - Illicit Discharge Detection and Elimination Program Element and Industrial Commercial Activities/Tenant Program

1. Notice of Audit
- Within 552 Days of AWPC
- Within 7 Days of Last Milestone
- By Tuesday 18 September 2018

2. Records Request
- Within 559 Days of AWPC
- Within 7 Days of Last Milestone
- By Tuesday 25 September 2018

3. Fulfillment of Records Request
- Within 583 Days of AWPC
- Within 24 Days of Last Milestone
- By Friday 19 October 2018

4. Records Review Complete
- Within 597 Days of AWPC
- Within 14 Days of Last Milestone
- By Friday 2 November 2018

5. Pre-Onsite Evaluation Conference Call
- Within 604 Days of AWPC
- Within 7 Days of Last Milestone
- By Friday 9 November 2018

6. Completion of Onsite Evaluation
- Within 623 Days of AWPC
- Within 19 Days of Last Milestone
- By Wednesday 28 November 2018

The table below provides a preliminary schedule for the onsite evaluation period.

Appendix C4: Schedule for PEAR #4 - Illicit Discharge Detection and Elimination Program Element and Industrial Commercial Activities/Tenant Program

Airports		Harbors		Highways	
Kahului Airport **Small MS4 Permit** **HI 4KE349**	**Honolulu International Airport** **Individual Permit** **HI S000005**	**Honolulu Harbor** **Small MS4 Permit** **HI 03KB482**	**Kalaeloa Barbers Point Harbor** **Small MS4 Permit** **HI 03KB488**	**Maui District** **Small MS4 Permit** **HI 14KE352**	**Oahu District** **Individual Permit** **HI S000001**
614 Days After AWPC	616 Days After AWPC	621 Days After AWPC	622 Days After AWPC	615 Days After AWPC	623 Days After AWPC
Monday 19 November 2018	Wednesday 21 November 2018	Monday 26 November 2018	Tuesday 27 November 2018	Tuesday 20 November 2018	Wednesday 28 November 2018
8am – 9am IDDE Kickoff Meeting [See Note (a)]	**8am – 9am** IDDE Kickoff Meeting [See Note (a)]	**8am – 9am** IDDE Kickoff Meeting [See Note (a)]	**8am – 9am** IDDE Kickoff Meeting [See Note (a)]	**8am – 9am** IDDE Kickoff Meeting [See Note (a)]	**8am – 9am** IDDE Kickoff Meeting [See Note (a)]
9am – 11am IDDE Onsite Evaluation [See Note (b)]	**9am – 11am** IDDE Onsite Evaluation [See Note (b)]	**9am – 11am** IDDE Onsite Evaluation [See Note (b)]	**9am – 11am** IDDE Onsite Evaluation [See Note (b)]	**9am – 11am** IDDE Onsite Evaluation [See Note (b)]	**9am – 11am** IDDE Onsite Evaluation [See Note (b)]
Outfall #1: Near baseyard, Keolani Place	*Outfall #1:* Near Iolana Place, Off Lagoon Drive	*Outfall #1:* SDDH035050, Pier 38	*Outfall #1:* SDDBP043660, Pier P-4	*Outfall #1:* Outlet No. 1	*Outfall #1:* PID 304162 Jarrett White Rd., north of Mahiole St.,
Outfall #2: Sampling #G, Basin G	*Outfall #2:* Aolewa Place, Near Access A	*Outfall #2:* SDDH0517960, Pier 51	[Outfall #1 is the only accessible outfall at this harbor, due to safety concerns]	*Outfall #2:* DP3	*Outfall #2:* PID 301831, Kaahele St., north of Moanalua Rd.
11am – 12pm IDDE Debrief Meeting [See Note (d)]	**11am – 12pm** IDDE Debrief Meeting [See Note (d)]	**11am – 12pm** IDDE Debrief Meeting [See Note (d)]	**11am – 12pm** IDDE Debrief Meeting [See Note (d)]	**11am – 12pm** IDDE Debrief Meeting [See Note (d)]	**11am – 12pm** IDDE Debrief Meeting [See Note (d)]
12pm – 1pm LUNCH	**12pm – 1pm** LUNCH	**12pm – 1pm** LUNCH	**12pm – 1pm** LUNCH	**12pm – 1pm** LUNCH	**12pm – 1pm** LUNCH
1pm – 2pm I/C Kickoff Meeting [See Note (a)]	**1pm – 2pm** I/C Kickoff Meeting [See Note (a)]	**1pm – 2pm** I/C Kickoff Meeting [See Note (a)]	**1pm – 2pm** I/C Kickoff Meeting [See Note (a)]	[I/C Program not evaluated, as Maui Highways does not have an I/C Program]	**1pm – 2pm** I/C Kickoff Meeting [See Note (a)]
2pm – 4pm I/C Onsite Evaluation [See Note (c)]	**2pm – 4pm** I/C Onsite Evaluation [See Note (c)]	**2pm – 4pm** I/C Onsite Evaluation [See Note (c)]	**2pm – 4pm** I/C Onsite Evaluation [See Note (c)]		**2pm – 4pm** I/C Onsite Evaluation [See Note (c)]
I/C Facility #1: UPS, 9682 Hemaloa Pl.	*I/C Facility #1:* UPS, 128 Mokuea Pl.	*I/C Facility #1:* Young Brothers Maintenance Facility, Pier 39	*I/C Facility #1:* Marisco		*I/C Facility #1:* First Hawaiian Bank, 94-205 Leoku St., Waipahu, HI
I/C Facility #2: ASIC-HFFC, 761 Kaonawai Pl.	*I/C Facility #2:* United Airlines, 110 Lauhoe Pl.	*I/C Facility #2:* Matson Maintenance Facility, Piers 52-53	*I/C Facility #2:* Grace Pacific		*I/C Facility #2:* CM Recycling, 204 Sand Island Access Rd., Honolulu, HI
4pm – 5pm I/C Debrief Meeting [See Note (d)]	**4pm – 5pm** I/C Debrief Meeting [See Note (d)]	**4pm – 5pm** I/C Debrief Meeting [See Note (d)]	**4pm – 5pm** I/C Debrief Meeting [See Note (d)]		**4pm – 5pm** I/C Debrief Meeting [See Note (d)]

Appendix C4: Schedule for PEAR #4 - Illicit Discharge Detection and Elimination Program Element and Industrial Commercial Activities/Tenant Program

Notes:
(a) MS4 Permit Coordinators will have the opportunity to present information on their program during the Kickoff Meetings. At least a half hour should be available for MS4 Permit Coordinators (or their designees) to present.

(b) Illicit Discharge Detection and Elimination (IDDE) Program: The Audit Team will accompany inspectors in the field as they conduct up to two (2) dry-weather outfall screenings. The outfalls identified in this Appendix are preliminary and are subject to modification.

(c) Industrial/Commercial (I/C) Program: The Audit Team will accompany inspectors in the field as they inspect up to two (2) industrial/commercial facilities. The facilities identified in this Appendix are preliminary and are subject to modification.

(d) The Debrief Meeting will be limited to discussing any findings that need clarification and any required communication moving forward.

7. End of Post-Onsite Evaluation Review Period

- Within 630 Days of AWPC
- **Consent Decree Deadline:** Within 630 Days of AWPC
- Within 7 Days of Last Milestone
- By Wednesday 5 December 2018

8. Completion of Draft PEAR & Distribution to MS4 Permit Coordinators

- Within 674 Days of AWPC[1]
- **Consent Decree Deadline:** Within 675 Days of AWPC
- Within 44 Days of Last Milestone
- By Friday 18 January 2019

9. Written Request for Clarification and Corrections
MS4 Permit Coordinators to HDOT PM

- Within 700 Days of AWPC
- Within 26 Days of Last Milestone
- By Wednesday 13 February 2019

10. Written Request for Clarification and Corrections
HDOT PM to Audit PM

- Within 702 Days of AWPC[2]
- **Consent Decree Deadline:** Within 705 Days of AWPC
- Within 2 Days of Last Milestone
- By Friday 15 February 2019

11. Completion of Final PEAR

- Within 723 Days of AWPC[3]
- **Consent Decree Deadline:** 750 Days of AWPC
- Within 21 Days of Last Milestone
- By Friday 8 March 2019

[1] This deadline is 1 day ahead of the CD Deadline as the CD Deadline falls on a Saturday.
[2] The deadline is ahead of the CD Deadline due to the required shift in the #8 deadline.
[3] The main Audit Work Plan Section 5.3.3 provides an explanation of why this document is submitted ahead of the CD deadline.

C5: PEAR #5 – Schedule for Pollution Prevention / Good Housekeeping Program

Appendix C5: Schedule for PEAR #5: Pollution Prevention / Good Housekeeping Program

1. Notice of Audit
- Within 730 Days of AWPC
- Within 7 Days of Last Milestone
- By Friday 15 March 2019

2. Records Request
- Within 737 Days of AWPC
- Within 7 Days of Last Milestone
- By Friday 22 March 2019

3. Fulfillment of Records Request
- Within 762 Days of AWPC
- Within 25 Days of Last Milestone
- By Tuesday 16 April 2019

4. Records Review Complete
- Within 776 Days of AWPC
- Within 14 Days of Last Milestone
- By Tuesday 30 April 2019

5. Pre-Onsite Evaluation Conference Call
- Within 783 Days of AWPC
- Within 7 Days of Last Milestone
- By Tuesday 7 May 2019

6. Completion of Onsite Evaluation
- Within 800 Days of AWPC
- Within 17 Days of Last Milestone
- By Friday 24 May 2019

The table below provides a preliminary schedule for the onsite evaluation week.

Appendix C5: Schedule for PEAR #5: Pollution Prevention / Good Housekeeping Program

Airports		Harbors		Highways	
Kahului Airport **Small MS4 Permit** **HI 4KE349**	**Honolulu International Airport** **Individual Permit** **HI S000005**	**Honolulu Harbor** **Small MS4 Permit** **HI 03KB482**	**Kalaeloa Barbers Point Harbor** **Small MS4 Permit** **HI 03KB488**	**Maui District** **Small MS4 Permit** **HI 14KE352**	**Oahu District** **Individual Permit** **HI S000001**
796 Days After AWPC Monday 20 May 2019 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] *Facility #1:* OGG Baseyard, Keolani Pl. *Facility #2:* ARFF Station, Onsite **11am – 12pm** Debrief Meeting [See Note (c)]	797 Days After AWPC Tuesday 21 May 2019 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] *Facility #1:* HNL Baseyard, 2919 Aolele St. *Facility #2:* Crash Fire Station 2, off Lagoon Drive **11am – 12pm** Debrief Meeting [See Note (c)]	799 Days After AWPC Thursday 23 May 2019 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] *Facility #1:* Sand Island Baseyard, 48 Sand Island Access Road [DOT-HAR only operates one maintenance facility at Honolulu Harbor] **11am – 12pm** Debrief Meeting [See Note (c)]	800 Days After AWPC Friday 24 May 2019 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] *Facility #1:* Kalaeloa Storage Facility [DOT-HAR only operates one maintenance facility at Kalaeloa Harbor] **11am – 12pm** Debrief Meeting [See Note (c)]	796 Days After AWPC Monday 20 May 2019 **1pm – 2pm** Kickoff Meeting [See Note (a)] **2pm – 4pm** Onsite Evaluation [See Note (b)] *Facility #1:* HWY-M Kahului Baseyard, 650 Palapapa Dr. *Facility #2:* HAR-M Kahului Harbor, 103 Ala Luina St. **4pm – 5pm** Debrief Meeting [See Note (c)]	798 Days After AWPC Wednesday 22 May 2019 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] *Facility #1:* Kakoi Baseyard, 727 Kakoi St. *Facility #2:* Windward Baseyard, 45-889 Pookela St. **11am – 12pm** Debrief Meeting [See Note (c)]

Notes:
(a) MS4 Permit Coordinators will have the opportunity to present information on their program during the Kickoff Meeting. At least a half hour should be available for MS4 Permit Coordinators (or their designees) to present.

(b) After the Kickoff Meeting, the Audit Team will conduct a walk-through of up to two (2) permittee owned or operated facilities (maintenance yards, chemical storage facilities, etc.) with a facility supervisor and/or other key staff to verify that activities are performed as described in the SWMPP. The facilities identified in this Appendix are preliminary and are subject to modification.

(c) The Debrief Meeting will be limited to discussing any findings that need clarification and any required communication moving forward.

7. End of Post-Onsite Evaluation Review Period
- Within 810 Days of AWPC
- **Consent Decree Deadline:** Within 810 Days of AWPC
- Within 10 Days of Last Milestone
- By Tuesday 3 June 2019

8. Completion of Draft PEAR & Distribution to MS4 Permit Coordinators
- Within 855 Days of AWPC
- **Consent Decree Deadline:** Within 855 Days of AWPC
- Within 45 Days of Last Milestone
- By Thursday 18 July 2019

9. Written Request for Clarification and Corrections MS4 Permit Coordinators to HDOT PM
- Within 882 Days of AWPC
- Within 27 Days of Last Milestone
- By Wednesday 14 August 2019

10. Written Request for Clarification and Corrections HDOT PM to Audit PM
- Within 884 Days of AWPC[1]
- **Consent Decree Deadline:** Within 885 Days of AWPC
- Within 2 Day of Last Milestone
- By Friday 16 August 2019

11. Completion of Final PEAR
- Within 905 Days of AWPC[2]
- **Consent Decree Deadline:** 930 Days of AWPC
- Within 21 Days of Last Milestone
- By Friday 6 September 2019

[1] This deadline is 1 day ahead of the CD Deadline as the CD Deadline falls on a Saturday.
[2] The main Audit Work Plan Section 5.3.3 provides an explanation of why this document is submitted ahead of the CD deadline.

C6: PEAR #6 – Schedule for Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability

Appendix C6: Schedule for PEAR #6 - Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability

1. Notice of Audit
- Within 912 Days of AWPC
- Within 7 Days of Last Milestone
- By Friday 13 September 2019

2. Records Request
- Within 919 Days of AWPC
- Within 7 Days of Last Milestone
- By Friday 20 September 2019

3. Fulfillment of Records Request
- Within 961 Days of AWPC
- Within 42 Days of Last Milestone
- By Friday 1 November 2019

4. Records Review Complete
- Within 989 Days of AWPC[1]
- **Consent Decree Deadline:** Within 990 Days of AWPC
- Within 28 Days of Last Milestone
- By Friday 29 November 2019

For this Program Element, the end of the records review period represents the completion of evaluation. No onsite evaluation will occur for this program element. It is expected that several conference calls between the Audit Team, HDOT PM, and MS4 Permit Coordinators will be conducted during the records review period. If requested by the Audit Team or MS4 Permit Coordinator, an in-person meeting may be scheduled during this period.

Airports		Harbors		Highways	
Kahului Airport **Small MS4 Permit** **HI 4KE349**	**Honolulu International Airport** **Individual Permit** **HI S000005**	**Honolulu Harbor** **Small MS4 Permit** **HI 03KB482**	**Kalaeloa Barbers Point Harbor** **Small MS4 Permit** **HI 03KB488**	**Maui District** **Small MS4 Permit** **HI 14KE352**	**Oahu District** **Individual Permit** **HI S000001**
Between 13 September 2019 and 29 November 2019, conference calls and in-person meetings will be scheduled as needed.	Between 13 September 2019 and 29 November 2019, conference calls and in-person meetings will be scheduled as needed.	Between 13 September 2019 and 29 November 2019, conference calls and in-person meetings will be scheduled as needed.	Between 13 September 2019 and 29 November 2019, conference calls and in-person meetings will be scheduled as needed.	Between 13 September 2019 and 29 November 2019, conference calls and in-person meetings will be scheduled as needed.	Between 13 September 2019 and 29 November 2019, conference calls and in-person meetings will be scheduled as needed.

5. – 7. Not Applicable (See #4)

[1] This deadline is 1 day ahead of the CD Deadline as the CD Deadline falls on a Saturday.

Appendix C6: Schedule for PEAR #6 - Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability

8. Completion of Draft PEAR & Distribution to MS4 Permit Coordinators

- Within 1034 Days of AWPC[2]
- **Consent Decree Deadline:** Within 1035 Days of AWPC
- Within 45 Days of Last Milestone
- By Monday 13 January 2020

9. Written Request for Clarification and Corrections
MS4 Permit Coordinators to HDOT PM

- Within 1058 Days of AWPC
- Within 24 Days of Last Milestone
- By Thursday 6 February 2019

10. Written Request for Clarification and Corrections
HDOT PM to Audit PM

- Within 1064 Days of AWPC[2]
- **Consent Decree Deadline:** Within 1065 Days of AWPC
- Within 6 Days of Last Milestone
- By Wednesday 12 February 2020

11. Completion of Final PEAR

- Within 1108 Days of AWPC[3]
- **Consent Decree Deadline:** 1110 Days of AWPC
- Within 44 Days of Last Milestone
- By Friday 27 March 2020

[2] The deadline is ahead of the CD Deadline due to the required shift in the #4 deadline.
[3] This deadline is 2 days ahead of the CD Deadline as the CD Deadline falls on a Sunday.

Appendix D

Notices to EPA & DOH

D1: Draft Notice of Potential Violation

State of Hawaii Department of Transportation
MS4 Permit Audit
Draft Notice of Potential Violation

Potential Violation Tracking #: _____

Determination of Potential Violation Date: _____

Potential Violation Notification Date:_____
(Today's Date)

The Audit Team must submit this notice within 2 business days of determining that a potential violation has occurred.

Potential Violation Narrative Description:

_____

_____

_____

_____

_____

_____

_____

Description of Attached Photographs (if applicable):

_____

_____

_____

_____

Applicable Regulatory References

NPDES Permit No.: _____

SWMPP: _____

Hawaii Administrative Rules (HAR): _____

Code of Federal Regulations (CFR):_____

DRAFT

D2: Final Notice of Potential Violation

State of Hawaii Department of Transportation
MS4 Permit Audit
Final Notice of Potential Violation

Potential Violation Tracking #: _____

Determination of Potential Violation Date: _____

Potential Violation Notification Date: _____
(Today's Date)

The Audit Team must submit this notice within 2 business days of determining that a potential violation has occurred.

Potential Violation Narrative Description:

_____

_____

_____

_____

_____

_____

_____

Description of Attached Photographs (if applicable):

_____

_____

_____

_____

Applicable Regulatory References

NPDES Permit No.: _____

SWMPP: _____

Hawaii Administrative Rules (HAR): _____

Code of Federal Regulations (CFR):_____

Result of HDOT PM Review:

- ☐ Confirmed Potential Violation
  - o Email Notice of Corrective Action sent to EPA/DOH on: _____
    (Due Within 14 Calendar Days of Potential Violation Notification Date)
- ☐ Re-categorized as Deficiency
  - o Email Notice sent to EPA/DOH on: _____
- ☐ Summarily Dismissed
  - o Email Notice sent to EPA/DOH on: _____

FINAL

D3: Notice of Corrective Action

State of Hawaii Department of Transportation
MS4 Permit Audit
Notice of Corrective Action

Corrective Action in Response to:

- ☐ Potential Violation (complete Section A & C)
- ☐ Deficiency (complete Section B & C)

SECTION A – Corrective Action in Response to Potential Violation

Potential Violation Tracking #:____ Potential Violation Notification Date:_____
(from Notice of Potential Violation Form)

Corrective Action Notification Date: _____
(Today's Date)

HDOT must submit this notice within 14 calendar days of the Potential Violation Notification Date.

SECTION B – Corrective Action in Response to Deficiency

HDOT Receipt of Draft PEAR Date:_____

Corrective Action Notification Date: _____
(Today's Date)

HDOT must submit this notice within 21 calendar days of receiving the relevant Draft PEAR.

SECTION C

Description of Corrective Action

_____

_____

_____

_____

_____

_____

_____

_____

_____

Description of Attached Photographs (if applicable):

_____

_____

_____

_____

_____

Attachment 18.b

PEAR 6 Audit Final Report

FINAL Program Element Audit Report (PEAR) No. 6

Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability

State Project No. OSC-15-01

February 2020

Prepared by

Kennedy/Jenks Consultants, Inc.

Prepared for

State of Hawaii
Department of Transportation
Office of Environmental Compliance
869 Punchbowl Street
Honolulu, Hawaii 96813

KJ Project No. 1696025*00

Table of Contents

List of Tables ..... *iii*

List of Appendices ..... *iii*

List of Acronyms ..... *iv*

Section 1: Introduction 1

Section 2: Methods (CD Appendix A Section D.7.a.) 2

2.1 Pre-Audit 2
2.1.1 Notice of Audit 2
2.1.2 Records Request 2
2.1.3 Records Review 2
2.2 Reporting 3
2.2.1 Draft PEAR 3
2.2.2 Final PEAR 3

Section 3: Key Findings (CD Appendix A Section D.7.b. – e.) 4

3.1 Identification of Potential Violations and Deficiencies (CD Appendix A Section D.7.c.) 4
3.1.1 Potential Violations 4
3.1.2 Deficiencies 4
3.2 Overall Findings 4
3.2.1 Department-Wide Evaluation 5
3.2.1.1 Staffing 5
3.2.1.2 Funding and Availability of Resources 5
3.2.1.3 Organizational Structure 6
3.2.1.4 Storm Water Program Sustainability 6
3.2.2 Kahului Airport (OGG) Evaluation 6
3.2.2.1 Staffing 6
3.2.2.2 Funding and Availability of Resources 7
3.2.2.3 Organizational Structure 8
3.2.2.4 Storm Water Program Sustainability 9
3.2.3 Daniel K. Inouye International Airport (HNL) Evaluation 9
3.2.3.1 Staffing 9
3.2.3.2 Funding and Availability of Resources 10
3.2.3.3 Organizational Structure 11
3.2.3.4 Storm Water Program Sustainability 11
3.2.4 Highways Oahu District (HWY-O) Evaluation 12
3.2.4.1 Staffing 12
3.2.4.2 Funding and Availability of Resources 13
3.2.4.3 Organizational Structure 13
3.2.4.4 Storm Water Program Sustainability 13

Table of Contents (cont'd)

3.2.5 Highways Maui District (HWY-M) Evaluation 14
3.2.5.1 Staffing 14
3.2.5.2 Funding and Availability of Resources 15
3.2.5.3 Organizational Structure 15
3.2.5.4 Storm Water Program Sustainability 15
3.2.6 Harbors Division (HAR) Evaluation 16
3.2.6.1 Staffing 16
3.2.6.2 Funding and Availability of Resources 16
3.2.6.3 Organizational Structure 17
3.2.6.4 Storm Water Program Sustainability 17
3.3 Best Practices and Opportunities (CD Appendix A Section D.7.d.) 18
3.4 Retrospective Analysis (CD Appendix A Section D.7.b.) 18
3.5 Implementation (CD Appendix A Section D.7.e) 19
3.6 Positive Program Elements 19

Table of Contents (cont'd)

List of Tables

1 Estimates of Stormwater Program Staffing
2 Estimates of Stormwater Program Funding

List of Appendices

A Project Milestones and Deadlines
B1 Permit-Specific Information – Kahului Airport
B2 Permit-Specific Information – Daniel K. Inouye International Airport
B3 Permit-Specific Information – Honolulu Harbor
B4 Permit-Specific Information – Kalaeloa Barbers Point Harbor
B5 Permit-Specific Information – Highways Maui District
B6 Permit-Specific Information – Highways Oahu District
C Revised Audit Work Plan, November 2016

List of Acronyms

ACR	Annual Compliance Report
AMS	Asset Management System
AWP	Audit Work Plan
BMP	best management practice
CD	Consent Decree
DOH	State of Hawaii Department of Health
EHS	Environmental Health Specialist
EMS	Environmental Management Section
EPA	United States Environmental Protection Agency
FTE	full-time equivalent staff
GIS	Geographic Information System
HAR	Harbors Division
HDOT	State of Hawaii Department of Transportation
HNL	Daniel K. Inouye International Airport
HWY-M	Highways Maui District
HWY-O	Highways Oahu District
MS4	Municipal Separate Storm Sewer System
OGG	Kahului Airport
PEAR	Program Element Audit Report
PM	Project Manager
TMDL	Total Maximum Daily Load

Section 1: Introduction

Under Paragraph 10.d of the Consent Decree (Civil Action 1:14-CV-00408-JMS-KSC) entered on 5 November 2014 (CD) with the United States Environmental Protection Agency (EPA) and the State of Hawaii Department of Health (DOH), the State of Hawaii Department of Transportation (HDOT) was required to perform compliance audits of Municipal Separate Storm Sewer System (MS4) permits issued to HDOT's Airports, Highways, and Harbors Divisions (referred to herein as the singular "MS4 Permit Audit"). The ongoing MS4 Permit Audit is being conducted in accordance with an Audit Work Plan (AWP) approved by EPA and DOH on 31 October 2016 and provided as Appendix C of this report. The MS4 Permit Audit consists of individual audits of six program elements:

1. Post-Construction Runoff Control / Permanent Best Management Practices (BMPs)
2. Construction Site Runoff Control
3. Public Outreach / Public Involvement
4. Illicit Discharge Detection and Elimination Program Element and Industrial Commercial Activities/Tenant Program
5. Pollution Prevention / Good Housekeeping Program
6. Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability

This Program Element Audit Report (PEAR) 6 documents procedures and findings of the Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability element.

Section 2: Methods (CD Appendix A Section D.7.a.)

As required in CD Appendix A Section D.7.a., this section includes a specific statement of the procedures followed and materials reviewed during the MS4 Permit Audit. Additional details on specific dates can be found in Appendix A. Additional permit-specific details can be found in Appendices B1 through B6. The Audit Team reviewed the individual program element for the six permitted MS4 programs concurrently, developing a PEAR that represents the culmination of the auditing efforts across the three HDOT Divisions. The MS4 Permit Audit included two phases (Pre-Audit and Reporting), detailed in the following sections. Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations; instead, interviews with key HDOT staff were conducted.

2.1 Pre-Audit

2.1.1 Notice of Audit

The Audit Team began by providing a Notice of Audit to the MS4 Permit Coordinators via email. The Audit Team requested that the MS4 Permit Coordinators review two key documents.

First, the Audit Team created a table of Governing Regulations applicable to PEAR 6, which included sections of federal regulations, HDOT's MS4 permits, and the CD. This table was used by the Audit Team to informally track the results from the evaluation. The MS4 Permit Coordinators provided comments on this table, as applicable.

Second, the Audit Team developed a draft list of documents to be reviewed to generate the Records Request. The Audit Team asked the MS4 Permit Coordinators to confirm that the Audit Team had identified the most updated and suitable documents. The Audit Team finalized this list of documents based on feedback from the MS4 Permit Coordinators. This list is provided in Section 1 of Appendices B1 through B6.

2.1.2 Records Request

The Audit Team reviewed the key documents and identified those sections relevant to PEAR 6 (provided in Section 2 of Appendices B1 through B6). Based on this review, the Audit Team developed a Records Request that was shared with the MS4 Permit Coordinators.

2.1.3 Records Review

The MS4 Permit Coordinators responded to the Records Request and the Audit Team completed an initial review of the records received. The Audit Team next sent Requests for Clarification. The Audit Team also conducted a teleconference with MS4 Permit Coordinators during this timeframe. MS4 Permit Coordinators provided additional information during in-person interviews with the Audit Team. For this Program Element, the end of the records review period represented the completion of evaluation.

2.2 Reporting

2.2.1 Draft PEAR

Pursuant to the CD, the Audit Team prepared a draft PEAR 6 and transmitted it to the HDOT Project Manager (PM), who distributed copies of the draft PEAR to the appropriate MS4 Permit Coordinators. The MS4 Permit Coordinators reviewed the draft PEAR and distributed the report to key personnel for their review (at the discretion of the MS4 Permit Coordinators). The MS4 Permit Coordinators submitted to the HDOT PM a consolidated written request for clarification and corrections to the draft PEAR for their respective permit. The HDOT PM then submitted the consolidated requests and corrections to the Audit PM.

2.2.2 Final PEAR

The Audit Team made appropriate changes to the draft PEAR and submitted the final PEAR.

Section 3: Key Findings (CD Appendix A Section D.7.b. – e.)

As required in CD Appendix A Section D.7.b. – e., this section details key findings of the MS4 Permit Audit for PEAR 6.

Compliance with one program component could not be fully determined, as discussed below:

1. **Office of Environmental Compliance - Achieve and Maintain Compliance with All Environmental Regulations and Permits**

   CD Part 10.a. states in part that "[t]he Environmental Compliance staff coordinates with Highways, Airports, and Harbors Divisions to achieve and maintain compliance with all environmental regulations and permits." (emphasis added).

   Except for the findings documented to date in this report and PEARs 1 through 5, the Audit Team found HDOT in compliance with the stormwater regulations and permits reviewed under the scope of this audit. However, it was outside the scope of this audit to assess HDOT's compliance with all environmental regulations and permits. In this regard, the Audit Team could not fully determine HDOT's compliance with this CD requirement.

Except for the limitations discussed above and unless otherwise noted in this report, the Audit Team found HDOT's programs in compliance with their permit and CD obligations.

3.1 Identification of Potential Violations and Deficiencies (CD Appendix A Section D.7.c.)

CD Appendix A Section D.7.c. requires an identification of Potential Violations and Deficiencies.

3.1.1 Potential Violations

A Potential Violation is defined in the AWP as an area where the evaluation found the permittee not in compliance with a specific stormwater management program plan commitment, the CD, and/or permit and regulations. No Potential Violations were identified by the Audit Team for this PEAR.

3.1.2 Deficiencies

A Deficiency is defined in the AWP as an item which, if not corrected, may lead to Potential Violations. No Deficiencies were identified by the Audit Team for this PEAR.

3.2 Overall Findings

This section provides the Audit Team's overall findings for the four (4) major areas of focus: Staffing, Funding and Availability of Resources, Organizational Structure, and Storm Water Program Sustainability.

3.2.1 Department-Wide Evaluation

3.2.1.1 Staffing

Table 1 includes information provided by HDOT on past and estimated future stormwater program staffing.

As shown in Table 1, HDOT and consultant staff implementing stormwater programs department-wide has increased from 68 full-time equivalent staff (FTE) in Annual Compliance Report (ACR) Year 2015[1] to approximately 70 FTE in ACR Year 2019 and is projected to increase to and remain at approximately 84 FTE for ACR Years 2020 – 2024.

According to these estimates, ACR Years 2015 – 2024 represents an increase of approximately 5 HDOT FTE and approximately 11 consultant FTE (a total of approximately 16 FTE). This approximately 24% increase in staffing highlights HDOT's commitment to compliance with their stormwater obligations.

As of ACR Year 2019, two-thirds of total staff implementing stormwater programs department-wide are private consultants to HDOT. There are a variety of reasons why HDOT relies on consultants to implement their stormwater programs; for example, Airports Division shared that it is difficult to hire and retain HDOT staff for their stormwater programs.

3.2.1.2 Funding and Availability of Resources

Table 2 includes information provided by HDOT on past and estimated future stormwater program funding.

As shown in Table 2, HDOT expenditures for stormwater programs department-wide have increased from approximately $23.7 million in ACR Year 2015 to approximately $24.5 million in ACR Year 2019 and are projected to increase to and remain at approximately $27 million per year for ACR Years 2020 - 2024.

According to these estimates, ACR Years 2015 – 2024 show an increase of approximately $3.3 million in spending. This approximately 14% increase in funding highlights HDOT's commitment to compliance with their stormwater obligations.

[1] Values in Tables 1 and 2 are reported for the year the ACR was submitted. Kahului Airport (OGG), Harbors Division (HAR), and Highways Maui District (HWY-M) submit ACRs in January for the preceding calendar year. Daniel K. Inouye International Airport (HNL) and Highways Oahu District (HWY-O) submit ACRs in August and October, respectively, for the preceding fiscal year. For example, an entry of "2015" on Table 1 represents Calendar Year 2014 for OGG, HAR, and HWY-M, and Fiscal Year 2015 (July 1, 2014 – June 30, 2015) for HNL and HWY-O.

Table 1: Estimates of Stormwater Program Staffing

			Period Covered in Annual Report Submitted in [4]																			
Permittee		**NOTES**	**2015**	**NOTES**	**2016**	**NOTES**	**2017**	**NOTES**	**2018**	**NOTES**	**2019**	**NOTES**	**2020**	**NOTES**	**2021**	**NOTES**	**2022**	**NOTES**	**2023**	**NOTES**	**2024**	**NOTES**
OGG	Open / vacant HDOT positions	[1]	1	[10]	1	[10]	1	[10]	0		1	[11]	--		--		--		--		--	
	HDOT staff	[2]	0.2		0.4		0.4		1.2		1.3		1.1	[9]	1.1		1.1		1.1		1.1	
	Consultant staff	[3]	0.1		0.5		0.8		1.0		1.3		0.9	[9]	1.3		1.3		1.3		1.3	
	HDOT & Consultant Staff	[2] [3]	0.3		0.9		1.2		2.2		2.6		2.0	[9]	2.4		2.4		2.4		2.4	
HNL	Open / vacant HDOT positions	[1]	0		0		2	[5]	3	[6]	3	[7]	--		--		--		--		--	
	HDOT staff	[2]	2.3		2.3		1.8		1.7		2.4		2.7	[8]	2.8		2.8		2.8		2.8	
	Consultant staff	[3]	0.4		1.1		1.1		5.4		8.5		14.8	[8]	14.8		14.8		14.8		14.8	
	HDOT & Consultant Staff	[2] [3]	2.7		3.4		2.9		7.1		10.9		17.5	[8]	17.6		17.6		17.6		17.6	
HWY-O	Open / vacant HDOT positions	[1]	0		1		0		0		1		--		--		--		--		--	
	HDOT staff	[12]	11		11		11		11		11		11		11		11		11		11	
	Consultant staff	[3] [13]	41		36		35		35		34		36		36		36		36		36	
	HDOT & Consultant Staff	[3][12] [13]	52		47		46		46		45		47		47		47		47		47	
HWY-M	Open / vacant HDOT positions	[1]		[14]		[14]	6		6		6		--		--		--		--		--	
	HDOT staff	[2]	0.1		0.1		0.1		0.1		3.25		3.25		3.25		3.25		3.25		3.25	
	Consultant staff	[3]	4.93		4.62		6.38		3.9		2.05		7.75		7.75		7.75		7.75		7.75	
	HDOT & Consultant Staff	[2] [3]	5.03		4.72		6.48		4		5.3		11		11		11		11		11	
HAR	Open / vacant HDOT positions	[1]	0		0		0		0		1		--		--		--		--		--	
	HDOT staff	[2]	5		5		5		5		5		5		5		5		5		5	
	Consultant staff	[3]	3		3		2		1		1		1		1		1		1		1	
	HDOT & Consultant Staff	[2] [3]	8		8		7		6		6		6		6		6		6		6	
HDOT Total	Open / vacant HDOT positions	[1]	1		2		9		9		12		--		--		--		--		--	
	HDOT staff	[2]	18.6		18.8		18.3		19		23		23.1		23.2		23.2		23.2		23.2	
	Consultant staff	[3]	49.4		45.2		45.3		46.3		46.9		60.5		60.9		60.9		60.9		60.9	
	HDOT & Consultant Staff	[2] [3]	68		64		63.6		65.3		69.8		83.5		84		84		84		84	

Projections from 2020 onward are rough estimates.

[1] Number of full-time equivalent (FTE) HDOT open/vacant positions at any point during the year for staff dedicated to implementing the stormwater program.

[2] Number of FTE HDOT staff implementing the stormwater program. For staff members who have primary responsibilities that are critical to the stormwater program, but also have other responsibilities within HDOT, this was approximated based on the estimated percentage of time that they worked on stormwater-related tasks.

[3] Number of FTE consultant staff implementing the stormwater program.

[4] OGG, HAR, and HWY-M submit Annual Compliance Reports (ACRs) in January for the preceding calendar year. HNL and HWY-O submit ACRs in August and October, respectively, for the preceding fiscal year. For example, an entry of "2015" on this table represents Calendar Year 2014 for OGG, HAR, and HWY-M, and Fiscal Year 2015 (July 1, 2014 - June 30, 2015) for HNL and HWY-O. For this reason, values may not be directly comparable between permittees.

[5] Two positions with were open/vacant for a portion of the year. However, Airports Division hired one new Environmental Health Specialist and implemented the stormwater program with assistance from a consultant contract.

[6] Three positions were open/vacant for a portion of the year. However, Airports Division hired a temporary Engineer and a full-time Engineer and implemented the stormwater program with assistance from a consultant contract.

[7] Three positions were open/vacant for a portion of the year. However, Airports Division hired three new Environmental Health Specialists and implemented the stormwater program with assistance from a new consultant contract.

[8] Estimated based on partial available data for the current fiscal year.

[9] Estimated based on partial available data for the current calendar year.

[10] Environmental Health Specialist position at OGG was open/vacant for the year. However, Airports Division staff from HNL implemented the stormwater program with assistance from a consultant contract.

[11] Environmental Health Specialist at OGG took an extended leave of absence and retired in December 2018. Airports Division was unable to advertise the position until December 2018. However, Airports Division staff from HNL implemented the stormwater program with assistance from a consultant contract.

[12] The reported number of HDOT staff does not include support provided by other sections outside of HWY-OW within the Division. The number of projected staff was estimated based on the average full-time equivalent staff calculated from the previous 6 years.

[13] Consultant full-time equivalent (FTE) staff was estimated by HWY-O by dividing annual consultant labor costs by $180,000 (the calculated average annual labor cost per FTE).

[14] No positions available; thus, no open/vacant positions.

Table 2: Estimates of Stormwater Program Funding

		Period Covered in Annual Report Submitted in [4]																					
Permittee	**NOTES**	**2015**	**NOTES**	**2016**	**NOTES**	**2017**	**NOTES**	**2018**	**NOTES**	**2019**	**NOTES**	**2020**	**NOTES**	**2021**	**NOTES**	**2022**	**NOTES**	**2023**	**NOTES**	**2024**	**NOTES**
OGG	[1]	$ 12,000	[5]	$ 82,000		$ 281,000		$ 315,000		$ 331,000		$ 360,000	[6]	$ 562,000	[7]	$ 557,000	[7]	$ 557,000	[7]	$ 557,000	[7]
HNL	[1] [10]	$ 810,000	[5]	$ 788,000	[5]	$ 774,000	[5]	$ 2,168,000	[5]	$ 2,496,000	[9]	$ 5,392,000	[8]	$ 5,283,000	[7]	$ 5,283,000	[7]	$ 5,283,000	[7]	$ 5,283,000	[7]
HWY-O	[1] [3]	$ 20,757,000		$ 11,096,000		$ 16,141,000		$ 11,307,000		$ 18,461,000		$ 15,716,000		$ 15,716,000		$ 15,716,000		$ 15,716,000		$ 15,716,000	
HWY-M	[1]	$ 983,000		$ 942,000		$ 1,244,000		$ 1,234,000		$ 1,235,000	[2]	$ 3,280,000		$ 3,280,000		$ 3,280,000		$ 3,280,000		$ 3,280,000	
HAR	[1]	$ 1,134,000		$ 2,721,000		$ 1,868,000		$ 2,030,000		$ 1,927,000		$ 1,961,000		$ 2,300,000		$ 2,071,000		$ 2,112,000		$ 2,154,000	
HDOT Total	[1]	$ 23,696,000		$ 15,629,000		$ 20,308,000		$ 17,054,000		$ 24,450,000		$ 26,709,000		$ 27,141,000		$ 26,907,000		$ 26,948,000		$ 26,990,000	

Projections from 2020 onward are rough estimates.
[1] Total expenditures including costs for HDOT staff fully or partially assigned to the SWMP, consultants, contracts, contractors, and equipment. Values are rounded to the nearest thousand.
[2] Values were provided for January 2019 - September 2019 ($926,000). The Audit Team assumed that October - December 2019 expenditures would be similar to January - September 2019 expenditures; therefore, this value was increased by $309,000 to $1,235,000 for 2019.
[3] Expenditures presented here will differ from that presented in past Annual Reports due to the timing of Capital Improvement Project (CIP) funds and Special Maintenance Project (SMP) funds reported. Note, this cost does not include support provided by other sections within the Division.
[4] OGG, HAR, and HWY-M submit Annual Compliance Reports (ACRs) in January for the preceding calendar year. HNL and HWY-O submit ACRs in August and October, respectively, for the preceding fiscal year. For example, an entry of "2015" on this table represents Calendar Year 2014 for OGG, HAR, and HWY-M, and Fiscal Year 2015 (July 1, 2014 - June 30, 2015) for HNL and HWY-O. For this reason, values may not be directly comparable between permittees.
[5] Personnel costs are not included in these estimates.
[6] Estimated based on partial available data for the current calendar year.
[7] Assuming same level of effort from 2020 through 2024. Consultant and contract funding contingent upon approval.
[8] Estimated based on partial available data for the current fiscal year.
[9] Personnel cost does not include benefit multiplier.
[10] Only personnel costs included.

3.2.1.3 Organizational Structure

At the department level, HDOT has not made significant changes to its stormwater management program organizational structure over the past 5 years and has no plans to make changes for the next 5 years. The Director of HDOT oversees three Deputy Directors who each oversee Airports, Harbors, and Highways Divisions, respectfully. Regarding stormwater management, each of the Divisions is organized differently, as described in the findings below.

3.2.1.4 Storm Water Program Sustainability

Given the significant increase projected for ACR Years 2015 – 2024 by the permittees in staffing (16 FTE, an approximately 24% increase) and funding (approximately $3.3 million, an approximately 14% increase), in addition to changes in organizational structure within several stormwater programs, the sustainability of HDOT's stormwater programs appears to be sound. While Potential Violations and Deficiencies were identified in PEARs 1 through 5, HDOT permittees quickly and effectively responded to these findings and addressed them with the necessary resources.

In the Audit Team's opinion, forthcoming changes to permit requirements mandated by DOH, discussed in detail below, represent the largest area of vulnerability to stormwater program sustainability.

3.2.2 Kahului Airport (OGG) Evaluation

3.2.2.1 Staffing

As shown in Table 1, HDOT and consultant staff implementing the OGG stormwater program has increased from 0.3 FTE in ACR Year 2015 to 2.6 FTE in ACR Year 2019 and is projected to decrease to and remain at 2.4 FTE for ACR Years 2020 – 2024.

According to these estimates, ACR Years 2015 – 2024 represents an increase of 0.9 HDOT FTE and 1.2 consultant FTE (a total of 2.1 FTE, an approximately 700% increase). This significant increase in staffing highlights Airports Division's commitment to compliance with their stormwater obligations.

Airports Division indicated that this projected level of staffing is sufficient to meet the current and anticipated needs of the OGG stormwater management program. However, as discussed in Section 3.2.2.4, additional staff may be needed to meet the future needs of the program from new requirements that may arise when Hawaii Administrative Rules §11-55, Appendix K (Appendix K) is adopted.

Airports Division uses the same staff for stormwater compliance at multiple airports and reallocates staff to meet needs at OGG, Daniel K. Inouye International Airport (HNL), and other airports. OGG has a full-time Environmental Health Specialist (EHS) who is responsible for the Maui District Airports but spends the majority of their time overseeing OGG stormwater management with support from HNL staff. In ACR Years 2015 – 2017, the EHS position at OGG was open/vacant for the year and in ACR Year 2019, the OGG EHS took an extended leave of absence and retired. During those times, Airports Division staff from HNL implemented tasks typically carried out by the onsite OGG EHS with assistance from a consultant contract. Airports

Division noted that using off-island consultants added challenges of timeliness and increased travel costs for the program. Additionally, the lack of a full-time EHS presence at OGG became a challenge as a designated point of contact was not readily available to answer tenant questions. The Audit Team agrees with Airports Division's determination that a more constant EHS presence at OGG would allow for increased performance toward meeting stormwater management goals.

Airports Division shared that it is difficult to hire and retain HDOT staff at OGG for their environmental programs due to several factors, including (but not limited to) the following:

- Lower salaries than comparable positions in the private sector
- High cost of living
- Fewer qualified professionals living on the neighbor islands, as compared to Oahu
- Difficulties in recruiting out-of-state job applicants due to low salaries and inability to offer relocation assistance.

Airports Division shared that since it has been difficult to hire and retain experienced stormwater professionals, they hire staff with less than desired stormwater experience and expend resources to train this staff to meet the needs of the program. Airports Division has had significant staff turnover in various stormwater positions over the last 5 years. This turnover affects the implementation of Airports Division's environmental programs because it takes resources (HNL staff and consultants) to train the new staff to take on stormwater management roles. To date, Airports Division has attempted to mitigate this issue by increasing reliance on consultant assistance and providing on-the-job training for new employees.

Airports Division shared that an increase in their staffing may potentially benefit their stormwater programs as there are certain tasks that only HDOT staff can complete (such as pursuing enforcement actions against tenants). Additional HDOT staff could also increase redundancy within the stormwater program and increase attention on the other environmental programs such as Tier II, Resource Conservation and Recovery Act, and Underground Storage Tank programs. However, Airports Division shared that creating additional HDOT staff positions is a lengthy process, because it requires several steps and levels of approval, up to and including the State Legislature.

The Audit Team has concluded that the sustainability of Airports Division's environmental programs would be enhanced if barriers to hiring and retaining HDOT staff were reduced; for example, streamlining the hiring process and increasing salaries through a salary differential for EHS positions.

3.2.2.2 Funding and Availability of Resources

As shown in Table 2, HDOT expenditures for implementing the OGG stormwater program have increased from $12,000[2] in ACR Year 2015 to approximately $331,000 in ACR Year 2019 and

[2] Personnel cost is not included in this estimate.

are projected to increase to and remain at approximately $550,000 per year for ACR Years 2020 – 2024.

According to these estimates, ACR Years 2015 – 2024 represents an increase of approximately $538,000 (an approximately 4,500% increase). This significant increase in funding highlights Airports Division's commitment to compliance with their stormwater obligations.

Airports Division indicated that this projected level of funding is sufficient to meet the current and anticipated needs of the OGG stormwater management program. However, as discussed in Section 3.2.2.4, additional funding may be needed to meet additional regulatory obligations. In 2019, Airports Division secured funding for two consultant contracts and an MS4 inspection and cleaning contract. The details of these contracts are as follows:

1. Project Number ES1946-19 was awarded on 21 December 2018 to provide environmental engineering management at HNL and OGG. Under this project, Airports Division has one FTE consultant located at OGG, alongside its EHS, to support the stormwater management program. This contract started in April 2019 and is set to expire in April 2020.

2. Project Number CS1623-12 was awarded in February 2017 to provide environmental engineering management and inspection services for statewide airports. Airports Division utilizes this contract to complete tasks for OGG and HNL.

3. Project Number BS1927-23 was awarded in June 2019 to provide inspection, maintenance, and pollution prevention of MS4 and drainage systems statewide. The contract started in July 2019.

With these three contracts executed, Airports Division reported that they can rely on the contracted personnel to complete inspection, cleaning, and tracking tasks while Airports Division staff focus on the management of the OGG stormwater program.

Airports Division noted that their existing consultant contracts are approved for the next several years. However, re-issuance of these contracts is not guaranteed and is contingent on the approval of HDOT budget requests, the contractors/consultants renewing their current contracts for the upcoming years, and Airports Division being able to advertise similar contracts upon expiration of the current contract. As noted in the staffing discussion, Airports Division reported that they rely heavily on consultants to execute their stormwater program at OGG; therefore, Airports Division's ability to re-issue these contracts in a timely manner is paramount for program execution.

3.2.2.3 Organizational Structure

Airports Division stated that their current organizational structure allows them to adapt quickly to fulfill the current needs of the OGG stormwater management program. Airports Division has not made significant changes to its organizational structure as related to the OGG stormwater management program over the past 5 years and has no plans to make changes for the next 5 years.

3.2.2.4 Storm Water Program Sustainability

Since Airports Division cannot anticipate all the forthcoming changes to DOH's industrial stormwater permits (Hawaii Administrative Rules §11-55, Appendix B), they may need additional funding for construction and maintenance of structural BMPs. The establishment of Total Maximum Daily Loads (TMDLs) for waters that receive HDOT runoff may also require additional staffing, funding, and resource requirements.

Airports Division maintains awareness of these changes by attending DOH events and communicating with DOH regulators. Airports Division personnel attended the stakeholder meetings for the proposed rules drafted for Appendix K based on the EPA's 2016 Final Rule to address partial remand of Phase II stormwater regulations, as related to the OGG Small MS4 Permit. In February 2018, Airports Division met with DOH regarding Appendix K permits. At this meeting, DOH informed Airports Division that the Appendix K permit is being reviewed by the DOH Attorney General and will be re-issued in 1 year or more. DOH shared that no other Small MS4 permittees had started their two-step process with DOH.

3.2.3 Daniel K. Inouye International Airport (HNL) Evaluation

3.2.3.1 Staffing

As shown in Table 1, HDOT and consultant staff implementing the HNL stormwater program has increased from 2.7 FTE in ACR Year 2015 to 10.9 FTE in ACR Year 2019 and is projected to increase to and remain at approximately 17.6 FTE for ACR Years 2020 – 2024.

According to these estimates, ACR Years 2015 – 2024 represents an increase of 0.5 HDOT FTE and 14.4 consultant FTE (a total of 14.9 FTE, an approximately 552% increase). This significant increase in staffing highlights Airports Division's commitment to compliance with their stormwater obligations.

Airports Division indicated that that this projected level of staffing is sufficient to meet the current and anticipated needs of the HNL stormwater management program. However, as discussed in Section 3.2.3.4, additional staff may be needed to meet the future needs of the program from new requirements that may arise when DOH provides the next draft of the HNL Small MS4 Permit (the current permit is administratively extended) or when new TMDLs are developed.

Airports Division uses the same staff for stormwater compliance at multiple airports and reallocates staff to meet needs at OGG, HNL, and other airports. In November 2016, the Airports Division Supervisor in charge of the HNL and OGG stormwater programs abruptly left HDOT, and since then, there has been a 100% personnel turnover. In ACR Years 2017 - 2019, several positions were open/vacant for a portion of each year. To address this, Airports Division hired one new EHS in ACR Year 2017, hired a temporary Engineer and a full-time Engineer in ACR Year 2018, and hired three new EHS in ACR Year 2019. Airports Division also addressed these vacancies by utilizing consultants to implement the stormwater program.

Airports Division meets the current needs of the HNL stormwater management program with the support of consultant contracts. However, additional dedicated HDOT staff would provide Airports Division the flexibility to adjust to a fluctuating workload and cover duties during extended absences. Airports Division plans to request one more full-time Engineer position to

perform stormwater tasks related to the increasing number of airport construction projects statewide.

Airports Division shared that since it has been difficult to hire and retain experienced stormwater professionals, they hire staff with little or no stormwater experience and expend resources to train this staff to meet the needs of the stormwater program. Airports Division has had significant staff turnover in various stormwater positions over the last 5 years. This turnover affects the implementation of Airports Division's environmental programs because it takes resources (HNL staff and consultants) to train the new staff to take on stormwater management roles. To date, Airports Division has attempted to mitigate this issue by increasing reliance on consultant assistance and providing on-the-job training for new employees.

Airports Division shared that an increase in their staffing may potentially benefit their stormwater programs as there are certain tasks that only HDOT staff can complete (such as pursuing enforcement actions against tenants). Additional HDOT staff could also increase redundancy within the stormwater program and increase attention on the other environmental programs such as Tier II, Resource Conservation and Recovery Act, and Underground Storage Tank programs. However, Airports Division shared that creating additional HDOT staff positions is a lengthy process, because it requires several steps and levels of approval, up to and including the State Legislature.

The Audit Team has concluded that the sustainability of Airports Division's environmental programs would be enhanced if barriers to hiring and retaining HDOT staff were reduced; for example, streamlining the hiring process and increasing salaries through a salary differential for EHS positions.

3.2.3.2 Funding and Availability of Resources

As shown in Table 2, HDOT expenditures for implementing the HNL stormwater program have increased from $810,000[3] in ACR Year 2015 to approximately $2.5 million[4] in ACR Year 2019 and are projected to increase to and remain at approximately $5.3[5] million per year for ACR Years 2020 – 2024.

According to these estimates, ACR Years 2015 – 2024 represents an increase of approximately $4.5 million (an approximately 554% increase). This significant increase in funding highlights Airports Division's commitment to compliance with their stormwater obligations.

Airports Division indicated that this projected level of funding is sufficient to meet the current and anticipated needs of the HNL stormwater management program. However, as discussed in Section 3.2.3.4 below, additional funding may be needed to meet additional regulatory obligations. In 2019, Airports Division secured funding for two consultant contracts and an MS4 inspection and cleaning contract. The details of these contracts are as follows:

[3] Only Airports Division personnel costs included.
[4] Personnel cost does not include benefit multiplier.
[5] Only Airports Division personnel costs included.

1. Project Number ES1946-19 was awarded on 21 December 2018 to provide environmental engineering management at HNL and OGG. Under this project, Airports Division has one FTE consultant located at HNL, alongside its EHSs, and a total of 14.8 FTE consultants to support the HNL stormwater management program. This contract started in April 2019 and is set to expire in April 2020.

2. Project Number CS1623-12 was awarded in February 2017 to provide environmental engineering management and inspection services for statewide airports. Airports Division occasionally utilizes this contract to complete tasks for OGG and HNL.

3. Project Number BS1927-23 was awarded in June 2019 to provide inspection, maintenance, and pollution prevention of MS4 and drainage systems statewide. The contract started in July 2019.

With the three contracts executed, Airports Division reported that they can rely on the contracted personnel to complete inspection, cleaning, and tracking tasks while Airports Division staff focus on the management of the HNL stormwater program.

Airports Division noted that their existing consultant contracts are approved for the next several years. However, re-issuance of these contracts is not guaranteed and is contingent on the approval of HDOT budget requests, the contractors/consultants renewing their current contracts for the upcoming years, and Airports Division being able to advertise similar contracts upon expiration of the current contract. As noted in the staffing discussion, Airports Division reported that they rely heavily on consultants to execute their stormwater program at HNL; therefore, Airports Division's ability to re-issue these contracts in a timely manner is paramount for program execution.

3.2.3.3 Organizational Structure

Airports Division has not made significant changes to its organizational structure related to the HNL stormwater management program over the past 5 years. Airports Division has requested to initiate a reorganization within the next 5 years for one full-time Engineer position to assist with the increasing construction projects statewide. Airports Division is currently waiting for approval by HDOT to initiate the reorganization. If approved, Airports Division plans to proceed with the formal reorganization request, which will need approval from HDOT, the State of Hawaii Department of Human Resources Development, and the Hawaii State Legislature.

3.2.3.4 Storm Water Program Sustainability

An area of concern for Airports Division is the potentially forthcoming changes to DOH's industrial stormwater permits. More stringent requirements for addressing exceedances of water quality limits may require additional funding for construction and maintenance of advanced structural BMPs. The establishment of TMDLs for waters that receive HDOT runoff may also bring additional staffing, funding, and resource requirements.

Airports Division maintains awareness of these changes by attending DOH events and communicating with DOH regulators. In February 2019, Airports Division received the HNL Small MS4 Draft Permit for its review and subsequently met with DOH regarding its comments on the Draft Permit, the schedule of the Permit issuance, and the status of the administrative

extension of its Small MS4 permit. In March 2019, Airports Division submitted its comments on the HNL Small MS4 Draft Permit to DOH. In August 2019, Airports Division was informed that the HNL Small MS4 permit is being significantly revised to include benchmarks for sampling. DOH also notified the Airports Division that they can expect to receive the HNL Small MS4 Draft Permit, including the significant revisions, in 2020.

One important element of stormwater program sustainability is adaptive management through identifying program elements that may be outmoded or ineffective. Airports Division identified several such items in their permit reapplication, including (but not limited to):

- Requesting to remove reference to outreach for neighboring businesses since the City and County of Honolulu already targets these businesses. Airports Division can utilize its resources from this reduced outreach to meet other MS4 program requirements.
- Requesting to remove storm drain stenciling events, citizen watch groups, and Adopt-A-Storm Drain program since Airports Division has deemed it unsafe to have public watch the airport or mark storm drains at airport properties. Airports Division can utilize its resources from this reduced coordination for storm drain stenciling events, citizen watch groups, and Adopt-A-Storm Drain program to meet other MS4 program requirements.
- Requesting to remove annual survey of Oahu residents to measure both behavior and knowledge relating to stormwater because of the significant resources need to survey Oahu residents and low return on investment for Airport Division. Airports Division can utilize its resources from this reduced annual survey of Oahu to meet other MS4 program requirements.

3.2.4 Highways Oahu District (HWY-O) Evaluation

3.2.4.1 Staffing

As shown in Table 1, HDOT and consultant staff implementing the HWY-O stormwater program has been and is projected to be stable at 45 to 52 FTE for ACR Years 2015 – 2024[6]. Approximately 25% of the staff are HDOT FTE, with the remainder being consultant FTE. This relatively large and stable staffing resource highlights HWY-O's ongoing commitment to compliance with their stormwater obligations.

HWY-O indicated that this projected level of staffing is sufficient to meet the current and anticipated needs of the HWY-O stormwater management program. However, as discussed in Section 3.2.4.4, additional staff may be needed to meet additional regulatory obligations.

HWY-O shared that support from HWY-O's various sections enables HWY-O to quickly adjust to program needs, provides sufficient redundancy in tasks, and facilitates communication. HWY-O staff highlighted their efforts towards succession planning within their stormwater program.

[6] The reported number of HDOT staff does not include support provided by other sections outside of HWY-O within the Highways Division. The number of projected staff was estimated based on the average FTE staff calculated from the previous 6 years.

HWY-O has invested in developing standard operating procedures, checklists, and forms in the interest of capturing and documenting the working knowledge of key staff.

3.2.4.2 Funding and Availability of Resources

As shown in Table 2, HDOT expenditures for implementing the HWY-O stormwater program have decreased from $20.8 million in ACR Year 2015 to approximately $18.5 million in ACR Year 2019 and are projected to decrease to and remain at approximately $15.7 million per year for ACR Years 2020 – 2024[7].

HWY-O noted that this apparent decrease in expenditures does not reflect a decrease in effort or resources in implementing the HWY-O stormwater program. HWY-O's annual expenditures vary due to the cyclical nature of Capital Improvement Project funding and inconsistency of Special Maintenance Project funding utilized for stormwater projects. With the multiple sources of funding available, HWY-O utilizes Capital Improvement Project funds for priority projects such as those required for the waste load allocation schedules of compliance, the Action Plan for Retrofitting Structural BMPs, and the implementation schedule for permanent erosion control improvements. When Special Maintenance Project funds become available, this allows HWY-O to accelerate its implementation schedule.

HWY-O indicated that this projected level of funding is sufficient to meet the current and anticipated needs of the HWY-O stormwater management program. However, as discussed in Section 3.2.4.4, additional funding may be needed to meet additional regulatory obligations.

3.2.4.3 Organizational Structure

HWY-O has not made significant changes to its organizational structure as related to the HWY-O stormwater management program over the past 5 years and has no plans to make changes for the next 5 years. HWY-O shared that their current organizational structure provides appropriate support and oversight along with adequate redundancy for the current needs of their stormwater program. HWY-O reported that their stormwater program is a District-wide program and buy-in from the District's various sections enables HWY-O to quickly adjust to program needs, provides sufficient redundancy in tasks, allows for succession planning, and facilitates communication.

3.2.4.4 Storm Water Program Sustainability

HWY-O is cognizant of future permit requirements, but it cannot fully anticipate future regulatory obligations (e.g., industrial requirements, new TMDLs issued, etc.) and it is therefore, difficult to assess whether a significant increase in funding or staffing will be required over the next 5 years. HWY-O continues to have a collaborative relationship with DOH. HWY-O has had numerous interactions with DOH related to the issuance of the TMDL for the Waikele Watershed. These interactions took place from July 2018 through the approval of the TMDL in May 2019. More recently, HWY-O has corresponded with DOH regarding the status of its MS4 Permit.

[7] This cost does not include support provided by other sections within the Highways Division.

One important element of stormwater program sustainability is adaptive management through identifying program elements that may be outmoded or ineffective. HWY-O identified several such items and has proposed such changes to DOH during its permit reapplication and in subsequent interactions with DOH. An example of such an item follows:

- Regarding implementation of stormwater pollution control plans, HWY-O requested to remove the reference to yard foreman since HWY-O does not have this position in its organization chart. This allows for more flexibility in identifying who is the responsible individual. Additionally, HWY-O feels it is unrealistic to expect that the responsible individual will be trained to collect stormwater samples and analyze for field parameters. Therefore, HWY-O proposes identifying a designated representative, who will be performing these activities, to be trained.

3.2.5 Highways Maui District (HWY-M) Evaluation

3.2.5.1 Staffing

As shown in Table 1, HDOT and consultant staff implementing the HWY-M stormwater program has been stable at an average of 5 FTE in ACR Years 2015 – 2019 and is projected to increase to and remain at 11 FTE in ACR Years 2020 - 2024.

According to these estimates, ACR Years 2015 – 2024 represents an increase of approximately 4 HDOT FTE and 2 consultant FTE (a total of 6 FTE, an approximately 120% increase). This significant increase in staffing highlights Highways Maui District's commitment to compliance with their stormwater obligations.

HWY-M indicated that this projected level of staffing is sufficient to meet the current and anticipated needs of the HWY-M stormwater management program. However, as discussed in Section 3.2.5.4, additional staff may be needed to meet additional regulatory obligations.

In ACR Years 2017 – 2019, HWY-M had six open/vacant positions. HWY-M reported that prior to 2019 they relied on a consultant to develop and execute their stormwater program. HWY-M reported that it was challenging to give the consultant sufficient guidance and direction without dedicated HDOT staff. In 2017, an Environmental Management Section (EMS) was created and HDOT positions within the EMS were approved. A Program Engineer was hired in February 2019 to oversee stormwater management compliance as one of their primary duties. Along with the Program Engineer, the EMS includes staff who will assist with stormwater management compliance. Four out of the five EMS positions were recently filled.

Recently, HWY-M has contracted a new consultant to provide environmental consulting services to support its stormwater program. This contract commenced on 31 October 2019. The consultant is expected to assign staff who will be dedicated to assist HWY-M with its stormwater management program.

3.2.5.2 Funding and Availability of Resources

As shown in Table 2, HDOT expenditures for implementing the HWY-M stormwater program have increased from $983,000 in ACR Year 2015 to approximately $1.2 million[8] in ACR Year 2019 and is projected to increase to and remain at approximately $3.3 million per year for ACR Years 2020 – 2024.

According to these estimates, ACR Years 2015 – 2024 represents an increase of approximately $2.3 million (an approximately 236% increase). This significant increase in funding highlights HWY-M's commitment to compliance with their stormwater obligations.

HWY-M indicated that this projected level of funding is sufficient to meet the current and anticipated needs of the HWY-M stormwater management program. However, as discussed in Section 3.2.5.4, additional funding may be needed to meet additional regulatory obligations.

3.2.5.3 Organizational Structure

HWY-M has made significant changes to its organizational structure related to its stormwater management program over the past 5 years. Specifically, HWY-M has created an EMS that includes a Program Engineer, who is supported by three Engineer positions and two Inspector positions. The EMS was created in 2017, and five out of the six positions were recently filled. HWY-M does not have plans to make any changes to the stormwater management program's organizational structure within the next 5 years. With the recent reorganization to include the EMS, HWY-M finds that their organizational structure is effective for the current needs of their stormwater management program.

3.2.5.4 Storm Water Program Sustainability

HWY-M reported that they are not aware of specific new permit or regulatory obligations over the next 5 years. However, if a TMDL is assigned to Kahului, it could result in the need to increase funding to meet the associated compliance requirements. Further, when Appendix K is finalized, it may result in additional or stricter requirements that may require an increase in funding and/or staffing.

HWY-M reported that they have not had any interactions recently with DOH with respect to anticipated changes in future stormwater permits for HWY-M. The Audit Team recommends that HWY-M initiate and maintain a regular working relationship with DOH to better anticipate future changes to HWY-M's stormwater permit in order to anticipate resources that will be needed to meet their permit requirements.

HWY-M has recently contracted a new consultant to provide environmental consulting services to support its MS4 program. HWY-M and the consultant will work together to evaluate the current program to identify stormwater management activities that may be outmoded, ineffective, insufficient, or excessively burdensome.

[8] Values were provided for January 2019 - September 2019 ($926,000). For report comparison purposes, the Audit Team assumed that October - December 2019 expenditures would be similar to January - September 2019 expenditures; therefore, this value was increased by $309,000 to $1,235,000 for 2019.

3.2.6 Harbors Division (HAR) Evaluation

3.2.6.1 Staffing

As shown in Table 1, HDOT and consultant staff implementing the HAR stormwater program has been stable at 6 to 8 FTE in ACR Years 2015 – 2019 and is projected to be 6 FTE in ACR Years 2020 - 2024. Approximately 75% are HDOT FTE, with the remainder being consultant FTE. This stable staffing resource highlights HAR's ongoing commitment to compliance with their stormwater obligations.

HAR indicated that this projected level of staffing is sufficient to meet the current and anticipated needs of the HAR stormwater management program. However, as discussed in Section 3.2.6.4, additional staff may be needed to meet additional regulatory obligations.

With the recent retirement of HAR's Engineering Branch Environmental Section Head, HAR is actively reorganizing to fill this vacancy with a permanent civil service position. Meanwhile, an engineer has been temporarily assigned to the Section Head position to carry on the implementation of the program.

HAR is currently reorganizing its Engineering Branch Environmental and Planning Sections to create positions needed to support the environmental program. The CD required that HAR develop and maintain an Asset Management System (AMS) / Geographic Information System (GIS) capable of generating and tracking work orders for inspection, cleaning, and other maintenance. To support that requirement, to date, HAR has utilized consultant and an Exempt Contract position which was originally authorized in 2008 but has since been extended. In order to sustain the AMS/GIS system at HAR, support and approval from Hawaii State Legislature and other agencies are essential to create two permanent HDOT civil service positions so as to further support and enhance the full implementation of the AMS/GIS functions.

Additional staffing is needed for a permanent GIS/AMS Manager at Engineering Branch to maintain a reliable in-house GIS/AMS system and an Office Assistant at Oahu District to support the implementation of the GIS/AMS system. The Audit Team agrees that the sustainability of the HAR stormwater program would be enhanced if the AMS/GIS Manager and Office Assistant permanent positions were to be created and the reorganization of the Engineering Branch Environmental and Planning Sections were to be completed.

3.2.6.2 Funding and Availability of Resources

As shown in Table 2, HDOT expenditures for implementing the HAR stormwater program has increased from approximately $1.1 million in ACR Year 2015 to approximately $1.9 million in ACR Year 2019 and are projected to increase to and remain at approximately $2.1 million per year for ACR Years 2020 – 2024.

According to these estimates, ACR Years 2015 – 2024 represents an increase of approximately $1 million (an approximately 90% increase). This significant increase in funding highlights HAR's commitment to compliance with their stormwater obligations.

HAR's indicated that this projected level of funding is sufficient to meet the current and anticipated needs of the HAR stormwater management program. However, as discussed in Section 3.2.6.4, additional funding may be needed to meet additional regulatory obligations.

3.2.6.3 Organizational Structure

HAR has made significant changes to its organizational structure related to its stormwater management program over the past 5 years. Since the settlement of the CD, new positions have been authorized by the Hawaii State Legislature and positions have been administratively assigned to the Environmental Section and Planning Section under HAR. The Engineering Branch is in the process of permanently establishing positions by way of position reorganization. Also, as prescribed by the injunctive relief, the former Office of Special Compliance has been reorganized as an Office of Environmental Compliance, with a central point position managing this office under the direct supervision of the HDOT Director. HAR has been able to complete the prescribed requirements listed under the CD through distributing appropriate tasks between HAR offices/sections and consultants.

3.2.6.4 Storm Water Program Sustainability

HAR is cognizant of future permit requirements but cannot fully anticipate future regulatory obligations. Therefore, it is difficult for HAR to assess whether a significant increase in funding or staffing will be required over the next 5 years. HAR is aware that DOH is currently in the process of revising its rules relating to Appendix K. HAR attended one of the several public briefings on the new rules held by DOH in August 2016. Subsequently, HAR attended several stakeholder meetings in October and December 2016 and July 2017.

One important element of stormwater program sustainability is adaptive management through identifying program elements that may be outmoded or ineffective. Examples of such items identified by HAR include, but are not limited to, the following:

- Public Education and Outreach – "Ensure the number of visitors to HAR's stormwater management webpage has increased from the previous year." As part of the ongoing modernization of Honolulu Harbor, tenants (potential web visitors) at certain areas were required to move out, resulting in a decrease of the total number of tenants at Honolulu Harbor over the past few years. This tenant reduction has made it challenging to increase the number of web visitors to the HAR stormwater website. HAR plans to evaluate and propose a more feasible and effective method to replace this measurable goal.

- An example where HAR's program success created an outmoded measurable goal under Public Education and Outreach is "Annually increasing number of inquiries and reports received." Through years of successfully implementing awareness through the stormwater outreach program to both HAR employees and tenants at Honolulu Harbor and Kalaeloa Barbers Point Harbor, the total number of recorded illicit discharges has started to decline. This is attributed to the success of HAR's stormwater training program. HAR plans to evaluate and propose a more feasible and effective method to replace this measurable goal.

HAR reported that they continue to evaluate and improve their program efficiency based on the information and feedback summarized in their AMS and ACR. For example, following the completion of each round of stormwater awareness training, HAR routinely evaluates the feedback received, assesses the effectiveness of different training techniques, and then implements new methods or focal points to further improve the content of the training and/or messaging delivery. The results of clear and concise messaging results in less misunderstanding and clearer objectives which reduce the amount of time and effort an inspector needs to inspect the stormwater program. The time and effort saved can then be allocated to manage other environmental components.

3.3 Best Practices and Opportunities (CD Appendix A Section D.7.d.)

CD Appendix A Section D.7.d. requires an identification of best practices and opportunities for information/technology transfer that may be beneficial to other Divisions.

The Audit Team noted several best practices during this PEAR that may be beneficial throughout HDOT, including:

1. **Maintaining Management-Level Awareness of the Stormwater Program**. Some HDOT permittees hold regular meetings with HDOT administration (Director and Deputy Director level) to update them on forthcoming regulatory changes (for example, TMDLs) which may impact staffing or funding needs. The Audit Team recommends that all permittees do so, as advanced notice of forthcoming changes will allow HDOT administration to prepare for potential increases in staffing and funding.

2. **Maintaining Dialogue with DOH.** Most HDOT permittees maintain working dialogue with DOH to stay abreast of forthcoming regulatory changes that may impact HDOT stormwater programs. It would be advantageous for the Office of Environmental Compliance to organize and coordinate with all HDOT stormwater permit holders and DOH, partnering to provide an overarching stormwater program that is consistent and effective. Regular HDOT stormwater gatherings such as the Protect Our Water Conference can facilitate discussion of shared experiences and concerns throughout the department.

3. **Succession Planning**. HWY-O and Airports Division staff emphasized their efforts towards succession planning within their respective stormwater programs. HWY-O and Airports Division have invested in developing standard operating procedures, checklists, and forms to capture and document the working knowledge of key staff. This best practice should be implemented department wide, because it could also reduce difficulties when there is staff turnover.

3.4 Retrospective Analysis (CD Appendix A Section D.7.b.)

CD Appendix A Section D.7.b. requires a retrospective analysis of program activities that may be outmoded, ineffective, insufficient, or excessively burdensome, and recommendations to modify, streamline, or expand them in accordance with what has been learned. Such activities,

if identified, have been presented in Sections 3.2.2.4, 3.2.3.4, 3.2.4.4, 3.2.5.4, and 3.2.6.4 of this report.

3.5 Implementation (CD Appendix A Section D.7.e)

CD Appendix A Section D.7.e. requires an analysis of the practices implemented for each Division's program elements and a determination as to whether identified best practices can be universally implemented across all three Divisions. If best practices cannot be universally implemented, this section describes identified impediments.

In Sections 3.2 through 3.4, the Audit Team has identified several recommendations where best practices may be universally implemented. For HDOT staff to champion such implementation from within the organization, the Audit Team believes that a compelling case must be made for why the proposed changes will lead to improvements in compliance. Absent that compelling case, HDOT staff may understandably maintain that their time and attention should remain focused on implementing their current programs.

3.6 Positive Program Elements

HDOT staff were helpful and cooperative in responding to requests for information and scheduling and coordinating interviews. HDOT staff were receptive to MS4 Permit Audit findings shared to date and interested in improving their stormwater programs. The Audit Team identified the following positive program elements during the development of this PEAR:

- Airports Division implements most of its stormwater program elements at all 15 airports under their responsibility, not just airports that currently have municipal stormwater permits (OGG and HNL).

- Highways, Harbors, and Airports Divisions collaborate to produce the annual Protect Our Water Conference. This conference and the meetings that precede it offer an effective way to share ideas among the Divisions. The creation of the HDOT Office of Environmental Compliance has also furthered the sharing of ideas among Divisions.

- HDOT management at the Director and Deputy Director level are supportive of departmental efforts to implement stormwater programs. This has been critical for program success.

Appendix A

Project Milestones and Deadlines

Appendix A: PEAR 6 Project Milestones and Deadlines

Appendix A of the Consent Decree (CD) defines various project milestones and deadlines, described for ease of reference below:

Program Element	Evaluation Complete: [a]	Draft PEAR to HDOT: [b]	HDOT Review of Draft PEAR: [c]	Final PEAR to HDOT: [d]
PEAR 6: Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability	33 Months (990 Days)[e] After AWPC[f] 30 November 2019	1035 Days After AWPC 14 January 2020	1065 Days After AWPC 13 February 2020	1110 Days After AWPC 29 March 2020

Notes:

(a) For Program Element Audit Report (PEAR) 6, no onsite evaluation is required and therefore, "evaluation" is defined to represent the date of conclusion of the Records Review period.
(b) Pursuant to CD Appendix A Section D.2., Kennedy/Jenks Consultants, Inc. completed a draft audit report and transmitted it to State of Hawaii Department of Transportation (HDOT) within 45 days of completing the audit of this program element [defined as the conclusion of "evaluation", as discussed in Note (a)].
(c) Pursuant to CD Appendix A Section D.3., HDOT reviewed the draft PEAR to correct factual inaccuracies within 30 days of receipt.
(d) Pursuant to CD Appendix A Section D.4., Kennedy/Jenks Consultants, Inc. completed a final PEAR within 120 days of completing the audit of the program element [defined as the conclusion of "evaluation", as discussed in Note (a)].
(e) "Months" are based on a 30-day month.
(f) AWPC = Audit Work Plan Commencement (15 March 2017)

Milestone	Date Completed
Notice of Audit	11 September 2019
Records Request	24 September 2019
Response to Records Request	1 November 2019
Request for Clarifications	13 November 2019
Interviews	3 - 6 December 2019
Draft PEAR to HDOT PM	13 January 2020
MS4 Permit Coordinator Comments to HDOT PM	6 February 2020
HDOT PM Comments to Audit Team	10 February 2020
Final PEAR to HDOT PM	28 February 2020

Notes:

PM = project manager
EPA = United States Environmental Protection Agency
DOH = State of Hawaii Department of Health
MS4 = Municipal Separate Storm Sewer System

Appendix B1

Permit-Specific Information – Kahului Airport

Appendix B1: Permit-Specific Information – Kahului Airport

1. Key Documents

Permit / Document	1. Kahului Airport Small MS4 Permit HI 14KE349
2014 Annual Report	20150116.Contents of CD for Compliance Submission of Reports and Documents-HI14KE349.PDF
2015 Annual Report	20160126.Contents of CD for Compliance Submission of Reports and Documents-HI14KE349.pdf
2016 Annual Report	20170127.Contents of CD for Compliance Submission of Reports and Documents-HI14KE349.PDF
2017 Annual Report	20180126.Contents of CD-Reports & docuemnts-HI 14KE349_Part2.pdf 20180126.Contents of CD-Reports & docuemnts-HI 14KE349_Part3.pdf
2018 Annual Report	2018 OGG ACR-v1.pdf
Permit	OGG-MS4-permit-20140721.14KE349.FNL_.14 OGG-NGPC-Appendix-K-Permit-Extension-14KE349.EXT_.16
Memorandum of Understanding Between Department of Transportation State of Hawaii and Department of Health State of Hawaii	MOU Between AIR and DOH.pdf
State Union BU13 Salary Schedule	2018 7-1 Unit 13 salary schedule.pdf
State of Hawaii Department of Transportation Airports Division Organization Charts June 30, 2018	Org Charts AIR 2018.pdf

2. Sections of Key Documents Found Relevant for PEAR 6

Document Name ***(Original File Name)***	**Sections/Pages Relevant to PEAR 6**
2014 Annual Report *(20150116.Contents of CD for Compliance Submission of Reports and Documents-HI14KE349.PDF)*	Part V
2015 Annual Report *(20160126.Contents of CD for Compliance Submission of Reports and Documents-HI14KE349.pdf)*	Part V
2016 Annual Report *(20170127.Contents of CD for Compliance Submission of Reports and Documents-HI14KE349.PDF)*	Part V
2017 Annual Report *(20180126.Contents of CD-Reports & docuemnts-HI 14KE349_Part2.pdf* *20180126.Contents of CD-Reports & docuemnts-HI 14KE349_Part3.pdf)*	Section 2.2-2.4, 2.6
2018 Annual Report *(2018 OGG ACR-v1.pdf)*	Section 4
Permit *(OGG-MS4-permit-20140721.14KE349.FNL_.14, OGG-NGPC-Appendix-K-Permit-Extension-14KE349.EXT_.16)*	In entirety
Memorandum of Understanding Between Department of Transportation State of Hawaii and Department of Health State of Hawaii *(MOU Between AIR and DOH.pdf)*	In entirety
State Union BU13 Salary Schedule *(2018 7-1 Unit 13 salary schedule.pdf)*	In entirety
State of Hawaii Department of Transportation Airports Division Organization Charts June 30, 2018 *(Org Charts AIR 2018.pdf)*	In entirety

3. On-Site Evaluation

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

4. On-Site Evaluation Photos

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

5. Potential Violations

No Potential Violations were identified by the Audit Team for this permit.

6. Deficiencies

No Deficiencies were identified by the Audit Team for this permit.

Appendix B2

Permit-Specific Information – Daniel K. Inouye International Airport

Appendix B2: Permit-Specific Information – Daniel K. Inouye International Airport

1. Key Documents

Permit / Document	2. Daniel K. Inouye International Airport Individual Permit HI S000005
2013-2014 Annual Report	20140825.Contents of CD for Compliance Submission of Reports and Documents Part 1 of 2-HIS000005.pdf
2014-2015 Annual Report	20150903.Contents of CD for DMR for July 1, 2014-June 30, 2014 and July 1, 2014-June 30, 2015 and Annual Report-HIS000005_Part1.pdf
2015-2016 Annual Report	20160909.Compliance Submission of Reports and Documents-HIS000005_Part1.pdf
2016-2017 Annual Report	20170901.Transmittal-Certification for Reports and Documents-HI S000005.pdf
2017-2018 Annual Report	HNL ACR_2017-18-v1.pdf
2018-2019 Annual Report	HNL Annual Report_2018-19-v2.pdf
Permit	HNL MS4 Permit.pdf 2. 20190301.HI S000005.EXT.19.pdf
SWMPP	SWMPP Introduction_August 2019-v2 SWMPP-Section[A-H].pdf

2. Sections of Key Documents Found Relevant for PEAR 6

Document Name ***(Original File Name)***	**Sections/Pages Relevant to PEAR 6**
2013-2014 Annual Report *(20140825.Contents of CD for Compliance Submission of Reports and Documents Part 1 of 2-HIS000005.pdf)*	Part II Part V
2014-2015 Annual Report *(20150903.Contents of CD for DMR for July 1, 2014-June 30, 2014 and July 1, 2014-June 30, 2015 and Annual Report-HIS000005_Part1.pdf)*	Part II Part V
2015-2016 Annual Report *(20160909.Compliance Submission of Reports and Documents-HIS000005_Part1.pdf)*	Part II Part V
2016-2017 Annual Report *(20170901.Transmittal-Certification for Reports and Documents-HI S000005.pdf)*	Part II Part V
2017-2018 Annual Report *(HNL ACR_2017-18-v1.pdf)*	Section 1.4 Section 2
2018-2019 Annual Report *(HNL Annual Report_2018-19-v2.pdf)*	Section 2
Permit *(HNL MS4 Permit.pdf, 2. 20190301.HI S000005.EXT.19.pdf)*	In entirety
SWMPP *(SWMPP Introduction_August 2019-v2,SWMPP Section [A-H].pdf)*	SWMPP Section 3 SWMPP Section 6 SWMPP Attachment VI (Program Effectiveness Strategy) SWMPP Sections A, B, C, E, F, G - Section 1 SWMPP Section H, Section 4.3

3. On-Site Evaluation

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

4. On-Site Evaluation Photos

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

5. Potential Violations

No Potential Violations were identified by the Audit Team for this permit.

6. Deficiencies

No Deficiencies were identified by the Audit Team for this permit.

Appendix B3

Permit-Specific Information – Honolulu Harbor

1. Key Documents

Permit / Document	3. Honolulu Harbor Small MS4 Permit HI 03KB482
2014 Annual Report	2014_HarborsACR1a.pdf
2015 Annual Report	2015_HDOTHarborsACR1.pdf
2016 Annual Report	2016_HarborsACR_Complete.pdf
2017 Annual Report	2017_HarborsACR_Final-Complete.pdf
2018 Annual Report	DOT-HAR_2018ACR_Complete.pdf
Permit	20161202.03KB482.EXT.16.pdf
Memorandum of Agreement between Department of Transportation, Harbors Division State of Hawaii And Department of Health State of Hawaii Regarding Violations for Escalated Enforcement	MOA- Harbors.pdf
SWMPP	Final-SWMP-150325.pdf

2. Sections of Key Documents Found Relevant for PEAR 6

Document Name ***(Original File Name)***	**Sections/Pages Relevant to PEAR 6**
2014 Annual Report *(2014_HarborsACR1a.pdf)*	Part III Part V
2015 Annual Report *(2015_HDOTHarborsACR1.pdf)*	Pat II Part V
2016 Annual Report *(2016_HarborsACR_Complete.pdf)*	Part V
2017 Annual Report *(2017_HarborsACR_Final-Complete.pdf)*	Section 2 Section 4
2018 Annual Report *(DOT-HAR_2018ACR_Complete.pdf)*	Section 2 Section 4
Permit (*20161202.03KB482.EXT.16.pdf)*	In entirety
Memorandum of Agreement between Department of Transportation, Harbors Division State of Hawaii And Department of Health State of Hawaii Regarding Violations for Escalated Enforcement (*MOA- Harbors.pdf)*	In entirety
SWMPP (*Final-SWMP-150325.pdf*)	Section 1 Attachment 1 Storm Sewer System Operation & Maintenance Program

3. On-Site Evaluation

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

4. On-Site Evaluation Photos

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

5. Potential Violations

No Potential Violations were identified by the Audit Team for this permit.

6. Deficiencies

No Deficiencies were identified by the Audit Team for this permit.

Appendix B4

Permit-Specific Information – Kalaeloa Barbers Point Harbor

Appendix B4: Permit-Specific Information – Kalaeloa Barbers Point Harbor

1. Key Documents

Permit / Document	4. Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB482
2014 Annual Report	2014_HarborsACR1a.pdf
2015 Annual Report	2015_HDOTHarborsACR1.pdf
2016 Annual Report	2016_HarborsACR_Complete.pdf
2017 Annual Report	2017_HarborsACR_Final-Complete.pdf
2018 Annual Report	DOT-HAR_2018ACR_Complete.pdf
Permit	20161202.03KB488.EXT.16.pdf
Memorandum of Agreement between Department of Transportation, Harbors Division State of Hawaii And Department of Health State of Hawaii Regarding Violations for Escalated Enforcement	MOA- Harbors.pdf
SWMPP	Final-SWMP-150325.pdf

2. Sections of Key Documents Found Relevant for PEAR 6

Document Name ***(Original File Name)***	**Sections/Pages Relevant to PEAR 6**
2014 Annual Report *(2014_HarborsACR1a.pdf)*	Part III Part V
2015 Annual Report *(2015_HDOTHarborsACR1.pdf)*	Pat II Part V
2016 Annual Report *(2016_HarborsACR_Complete.pdf)*	Part V
2017 Annual Report *(2017_HarborsACR_Final-Complete.pdf)*	Section 2 Section 4
2018 Annual Report *(DOT-HAR_2018ACR_Complete.pdf)*	Section 2 Section 4
Permit (*20161202.03KB488.EXT.16.pdf)*	In entirety
Memorandum of Agreement between Department of Transportation, Harbors Division State of Hawaii And Department of Health State of Hawaii Regarding Violations for Escalated Enforcement (*MOA- Harbors.pdf)*	In entirety
SWMPP (*Final-SWMP-150325.pdf*)	Section 1 Attachment 1 Storm Sewer System Operation & Maintenance Program

Appendix B4: Permit-Specific Information – Kalaeloa Barbers Point Harbor

3. On-Site Evaluation

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

4. On-Site Evaluation Photos

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

5. Potential Violations

No Potential Violations were identified by the Audit Team for this permit.

6. Deficiencies

No Deficiencies were identified by the Audit Team for this permit.

Appendix B5

Permit-Specific Information – Highways Maui District

Appendix B5: Permit-Specific Information – Highways Maui District

1. Key Documents

Permit / Document	5. Maui District Small MS4 Permit HI 15KE674
2014 Annual Report	20150128.Contents of CD for Annual Report 2014-HI14KE352.pdf
2017 Annual Report	Annual_Report_2017_HDOTMauiSWMP-WAtt.pdf
2018 Annual Report	Annual_Report_2018-HDOTMauiSWMP-WAtt.pdf
Permit	NGPC2015-04-02HI15KE674.pdf 20161122 NGPC Extension HI 15KE674 EXT 16.pdf
SWMPP	Maui-Storm-Water-Managment-Plan-Dec-2016.pdf Plus Appendices
Memorandum of Understanding Between Highways Division and Harbors Division	MOU HWY & HAR 8-7-15.pdf

2. Sections of Key Documents Found Relevant for PEAR 6

Document Name ***(Original File Name)***	**Sections/Pages Relevant to PEAR 6**
2014 Annual Report	Table 1 Section 2.4 Section 5
2017 Annual Report	Section 6
2018 Annual Report *(Annual_Report_2018-HDOTMauiSWMP-WAtt.pdf)*	Section 2.3
Permit (*NGPC2015-04-02HI15KE674.pdf, 20161122 NGPC Extension HI 15KE674 EXT 16.pdf)*	In entirety
SWMPP (*Maui-Storm-Water-Managment-Plan-Dec-2016.pdf, 01AppendixA-PublicEdActivities.pdf)*	Introduction Appendix A1, Section 6 Appendix B1, Section 6 Appendix F.1, Section 2.3
Memorandum of Understanding Between Highways Division and Harbors Division *(MOU HWY & HAR 8-7-15.pdf)*	In entirety

3. On-Site Evaluation

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

4. On-Site Evaluation Photos

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

5. Potential Violations

No Potential Violations were identified by the Audit Team for this permit.

6. Deficiencies

No Deficiencies were identified by the Audit Team for this permit.

Appendix B6

Permit-Specific Information – Highways Oahu District

Appendix B6: Permit-Specific Information – Highways Oahu District

1. Key Documents

Permit / Document	6. Highways Oahu District Individual Permit HI S000001
2013-2014 Annual Report	20141016.Contents of CD for Compliance Submission of Other-Annual Report 2013-2014-Part 1-HIS000001.PDF
2014-2015 Annual Report	20151015.Contents of CD for Compliance Submission of Other-Annual Report 2014-2015-HIS000001-.PDF
2015-2016 Annual Report	20161101.Contents of CD for Compliance Submission of Other-Annual Report 2015-2016-HIS000001_Part1.pdf
2016-2017 Annual Report	HWY-O Annual Report 2016-17.pdf Plus Appendices
2017-2018 Annual Report	Annual Report 2017-2018.pdf Plus Appendices
Permit	20160318.Modified NPDES Permit HI S000001.PDF
Storm Water Annual Monitoring Plan 2019-2020	Storm Water Annual Monitoring Plan 2019-2020.pdf
SWMPP	SWMPP-Final_Combined_Compressed.pdf Plus Appendices
Oahu District Storm Water Management Program Organizational Chart	Oahu District Storm Water Management Program Organizational Chart.pdf
Memorandum of Understanding with State Department of Health	A.3_MOU-DOT-Highways-DOH-1999.pdf
Memorandum of Understanding Between the Department of Transportation Highways Division, State of Hawaii and The Department of Environmental Services and The Department of Facility Maintenance City and County of Honolulu	A.4_MOU-DOT-Highways-City-2002.pdf

2. Sections of Key Documents Found Relevant for PEAR 6

Document Name ***(Original File Name)***	**Sections/Pages Relevant to PEAR 6**
2013-2014 Annual Report *(20141016.Contents of CD for Compliance Submission of Other-Annual Report 2013-2014-Part 1-HIS000001.PDF)*	Chapter 11
2014-2015 Annual Report *(20151015.Contents of CD for Compliance Submission of Other-Annual Report 2014-2015-HIS000001-.PDF)*	Chapter 11
2015-2016 Annual Report *(20161101.Contents of CD for Compliance Submission of Other-Annual Report 2015-2016-HIS000001_Part1.pdf)*	Chapter 11
2016-2017 Annual Report *(HWY-O Annual Report 2016-17.pdf)*	Chapter 11
2017-2018 Annual Report *(Annual Report 2017-2018.pdf)*	Chapter 14
Permit *(20160318.Modified NPDES Permit HI S000001.PDF)*	In entirety
Storm Water Annual Monitoring Plan 2019-2020 *(Storm Water Annual Monitoring Plan 2019-2020.pdf)*	Chapter 3.5
SWMPP (*SWMPP-Final_Combined_Compressed.pdf Plus Appendices)*	Chapter 1.0
Oahu District Storm Water Management Program Organizational Chart (*Oahu District Storm Water Management Program Organizational Chart.pdf)*	In entirety
Memorandum of Understanding with State Department of Health *(A.3_MOU-DOT-Highways-DOH-1999.pdf)*	In entirety
Memorandum of Understanding Between the Department of Transportation Highways Division, State of Hawaii and The Department of Environmental Services and The Department of Facility Maintenance City and County of Honolulu *(A.4_MOU-DOT-Highways-City-2002.pdf)*	In entirety

3. On-Site Evaluation

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

4. On-Site Evaluation Photos

Following EPA (2007) guidance, PEAR 6 did not involve onsite evaluations.

5. Potential Violations

No Potential Violations were identified by the Audit Team for this permit.

6. Deficiencies

No Deficiencies were identified by the Audit Team for this permit.

Appendix C

Revised Audit Work Plan, November 2016

State of Hawaii Department of Transportation

Office of Environmental Compliance

Revised Audit Work Plan

State Project No. OSC-15-01

November 2016

This page intentionally left blank
to allow for double-sided printing.

Table of Contents

List of Tables ..... *iv*

List of Figures ..... *iv*

List of Appendices ..... *iv*

List of Acronyms ..... *v*

Section 1: Introduction, Purpose, and Goals 1

Section 2: Audit Team and HDOT Personnel 3

Section 3: Audit Notes and Guidelines 7

3.1 Health, Safety, and Site Access Considerations 7
3.2 Quality Control Procedures 7
3.3 Photographs 8
3.4 "Maximum Extent Practicable" Concept 8

Section 4: Audit Structure and Schedule 11

Section 5: Program Element Audits 13

5.1 Pre-Audit 13
5.1.1 Notice of Audit 13
5.1.2 Records Request 14
5.1.3 Records Review 14
5.2 Onsite Evaluation 14
5.2.1 Pre-Onsite Evaluation Conference Call 14
5.2.2 Onsite Evaluation 14
5.2.3 Post-Onsite Evaluation Review Period 15
5.3 Reporting 15
5.3.1 Draft PEARs 15
5.3.2 HDOT Review 16
5.3.3 Final Audit Report 16
5.3.4 Post-Audit Report Review 17

Section 6: Potential Violations and Deficiencies 19

6.1 Identification of Finding of Concern 20
6.2 Audit Team Consultation 20
6.3 Potential Violation Decision Tree 21
6.4 Deficiency Decision Tree 22

Section 7: Annual Compliance Report 23

References *24*

List of Tables

Table 4-1 CD Appendix A Deadlines
Table 5-1 Tentative On-Site Evaluation Dates

List of Figures

Figure 2-1 Organizational Chart
Figure 5-1 Program Element Audit Schedule
Figure 6-1 Potential Violation and Deficiency Decision Tree

List of Appendices

A Consent Decree Sections Pertaining to Audit (10.d Page and Appendix A)

B1 - B6 PEAR 1 - 6 Guiding Questions
- B1: PEAR #1 – Post-Construction / Permanent Best Management Practices
- B2: PEAR #2 – Construction Site Runoff Control
- B3: PEAR #3 – Public Outreach / Public Involvement
- B4: PEAR #4 – Illicit Discharge Detection and Elimination (IDDE) Program Element and Industrial Commercial Activities/Tenant (I/C) Program
- B5: PEAR #5 – Pollution Prevention / Good Housekeeping Program
- B6: PEAR #6 – Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability

C1 - C6 PEAR 1 - 6 Schedule
- C1: PEAR #1 – Schedule for Post-Construction / Permanent Best Management Practices
- C2: PEAR #2 – Schedule for Construction Site Runoff Control
- C3: PEAR #3 – Schedule for Public Outreach / Public Involvement
- C4: PEAR #4 – Schedule for Illicit Discharge Detection and Elimination (IDDE) Program Element and Industrial Commercial Activities/Tenant (I/C) Program
- C5: PEAR #5 – Schedule for Pollution Prevention / Good Housekeeping Program
- C6: PEAR #6 – Schedule for Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability

D1 – D3 Notices to EPA & DOH
- D1: Draft Notice of Potential Violation
- D2: Final Notice of Potential Violation
- D3: Notice of Corrective Action

List of Acronyms

ACR	Annual Compliance Report
AWPC	Audit Work Plan Commencement
BMP	best management practice
CD	Consent Decree (Civil Action 1:14-CV-00408-JMS-KSC)
CFR	Code of Federal Regulations
DOH	Department of Health
EPA	United States Environmental Protection Agency
HAR	Hawaii Administrative Rules
HARP	Hazard Appraisal and Recognition Plan
HDOT	State of Hawaii Department of Transportation
MEP	maximum extent practicable
MS4	Municipal Separate Storm Sewer System
NPDES	National Pollutant Discharge Elimination System
PEAR	Program Element Audit Report
PM	Project Manager
QA	quality assurance
QC	quality control
SWMPP	Storm Water Management Program Plan

This page intentionally left blank
to allow for double-sided printing.

Section 1: Introduction, Purpose, and Goals

Under Paragraph 10.d of the Consent Decree (Civil Action 1:14-CV-00408-JMS-KSC) entered on 5 November 2014 (CD) with the United States Environmental Protection Agency (EPA) and the State of Hawaii (State) Department of Health (DOH), the State of Hawaii Department of Transportation (HDOT) is required to perform compliance audits of Municipal Separate Storm Sewer System (MS4)[1] permits issued to HDOT's Airports, Highways, and Harbors Divisions (referred to herein as the singular "MS4 Permit Audit"). Specific requirements for the MS4 Permit Audit are defined in Appendix A of the CD and included in Appendix A of this document. The MS4 Permit Audit will be conducted in accordance with this Audit Work Plan (AWP) by Kennedy/Jenks Consultants (Kennedy/Jenks), the selected independent third-party audit firm.

This AWP was conditionally approved by EPA & DOH on 31 October 2016. As memorialized in the conditional approval letter, HDOT will begin the audit on 15 March 2017. This date is hereafter referred to as the AWP Commencement date (AWPC). This AWP includes project milestones with defined dates in some cases (e.g., "15 April 2017") while other dates may be specified relative to the AWPC (e.g., "30 days after AWPC"). All "days" in this AWP refer to calendar days as opposed to business days.

The defined purpose of the MS4 Permit Audit is to assess HDOT's current regulatory and administrative compliance with its MS4 permits, DOH National Pollutant Discharge Elimination System (NPDES) General Permit Coverage Authorizing Discharges of Storm Water and Certain Non-Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (Hawaii Small MS4 General Permit), applicable Storm Water Management Program Plans (SWMPPs), and the CD.

The defined goals of the MS4 Permit Audit focus on meeting the requirements listed in Appendix A of the CD, including:

- Evaluating compliance with HDOT MS4 permits and the CD
- Identifying information gathered during the MS4 Permit Audit that may be used to promote information and technology transfer between HDOT Divisions
- Identifying Potential Violations (areas where the evaluation found the permittee not in compliance with a specific permit requirement or SWMPP commitment) and Deficiencies (items which, if not corrected, may be anticipated to lead to Potential Violations) in HDOT's stormwater programs and assisting with timely self-correction of identified Potential Violations and Deficiencies by HDOT.

[1] The MS4 refers to the conveyance system in addition to the jurisdiction(s) which own/operate the system.

In addition to meeting the CD requirements and EPA & DOH expectations, the overarching goal of the MS4 Permit Audit is to develop internal trust and collaboration within HDOT. The Audit Team will seek HDOT-wide opportunities for improvement rather than focusing on minor issues of non-compliance.

Reporting requirements of the MS4 Permit Audit are defined in Appendix A Section D.7. of the CD and include:

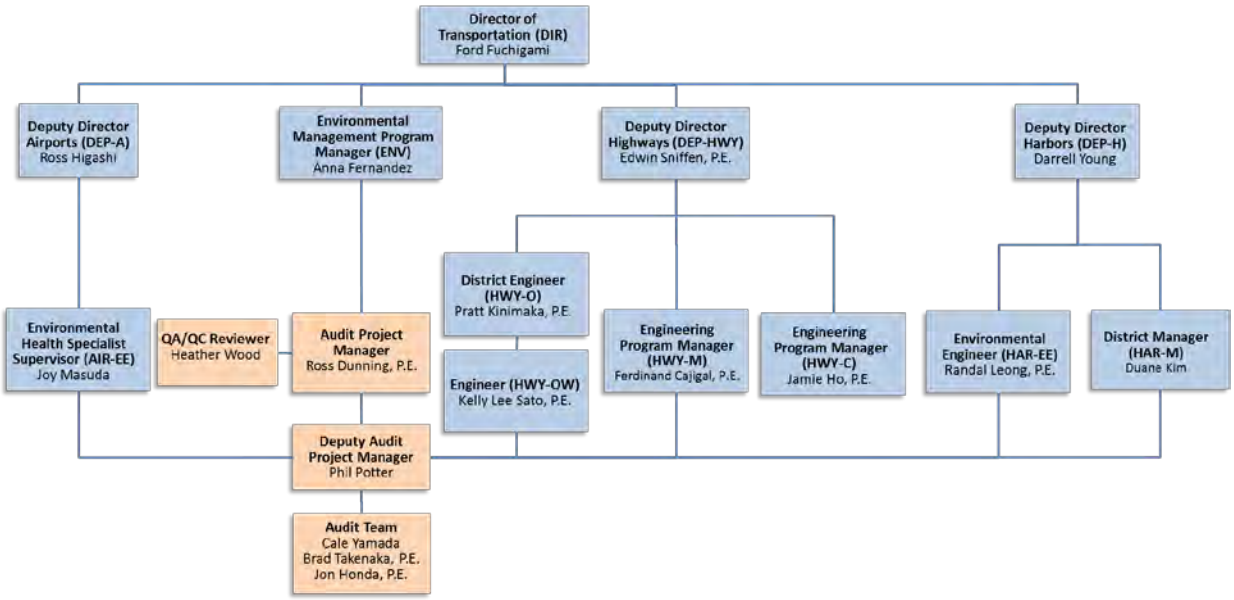
- A specific statement of the procedures followed, HDOT sites and activities visited, and all materials reviewed during the MS4 Permit Audit
- Retrospective analysis of activities that may be outmoded, ineffective, insufficient, or excessively burdensome, and providing recommendations to modify, streamline, or augment them in accordance with what has been learned during the MS4 Permit Audit, as appropriate.
- Identification of Potential Violations and Deficiencies and of MS4 permit conditions, applicable SWMPPs, the CD, and/or other applicable regulations, and providing recommendations for improvements as found to be appropriate
- Identification of best practices and opportunities for information/technology transfer to be applied across the three HDOT Divisions
- An analysis of the practices implemented for each HDOT Division's program elements and a determination as to whether identified best practices can be universally implement across all three Divisions. If best practices cannot be universally implemented, the report will clearly describe impediments identified.

In accordance with requirements defined in Appendix A of the CD, EPA's *MS4 Program Evaluation Guidance* (hereinafter EPA (2007) guidance) was consulted in the development of this AWP. The audit protocols included herein are intended to promote consistency among regulated facilities when conducting environmental audits and to validate that the MS4 Permit Audit is conducted in a thorough and comprehensive manner. Program evaluation worksheets (included in Appendix B) were developed to guide the Audit Team while performing the MS4 Permit Audit. Each worksheet addresses a separate program element, and includes key questions derived from the EPA (2007) guidance document recommended to be considered during an MS4 evaluation. While this AWP is based on the EPA (2007) guidance for auditing small MS4s, HDOT has adapted the guidance to focus some aspects of the audit process to reflect the unique nature of HDOT operations.

Section 2: Audit Team and HDOT Personnel

Figure 2-1 provides an organizational chart defining the Audit Team and HDOT staff that will be involved in the MS4 Permit Audit.

Figure 2-1 Organizational Chart



Additional information describing key MS4 Permit Audit personnel is provided below.

HDOT Project Manager – Anna Fernandez

In her role as Environmental Program Manager, Anna Fernandez reports directly to the HDOT Director. She serves as the HDOT Project Manager (PM) for this project. In this role, she administers and manages Kennedy/Jenks in performing the MS4 Permit Audit and their contact with HDOT leaders and stakeholders.

Deputy Director(s)

Deputy Directors report directly to the HDOT Director. They are responsible for facilitating the Audit Team's access to HDOT personnel and facilities within their respective Divisions as appropriate. The following Deputy Directors will be directly involved in the MS4 Permit Audit process:

Airports (DEP-A) – Ross Higashi
Highways (DEP-HWY) – Edwin Sniffen, P.E.
Harbors (DEP-H) – Darrell Young

MS4 Permit Coordinator(s)

MS4 Permit Coordinators are those HDOT personnel responsible for managing compliance with the MS4 permit for each Division, district, or designated MS4 permitted area. The following MS4 Permit Coordinators will be directly involved in the MS4 Permit Audit process:

Airports (AIR-EE) – Joy Masuda (Environmental Health Specialist Supervisor)
Oahu Highways (HWY-OW) – Kelly Lee Sato, P.E. (Engineer)
Maui Highways (HWY-M) – Ferdinand Cajigal, P.E. (Engineering Program Manager)
Oahu Harbors (HAR-EE) – Randal Leong, P.E. (Environmental Engineer)
Maui Harbors (HAR-M) – Duane Kim (District Manager)

Additional Key MS4 Permit Audit Personnel

The following key staff will also be consulted throughout the MS4 Permit Audit Process:

District Engineer (HWY-O) - Pratt Kinimaka, P.E.
Engineering Program Manager (HWY-C) - Jamie Ho, P.E.

Audit Project Manager – Ross W. Dunning, P.E. / Principal (Kennedy/Jenks)

Ross is a Principal of Kennedy/Jenks and leads their companywide stormwater practice. He has assisted many Western U.S. Port authorities for almost 20 years with development of strategies and stormwater management plans to address Clean Water Act and NPDES regulations. He is Kennedy/Jenks' point of contact for the HDOT PM, and manages the Audit Team to verify that MS4 Permit Audit procedures and reports meet CD requirements and are on schedule. The Audit PM is responsible for updating this Audit Work Plan (with the approval of the HDOT PM), producing schedules, preparing audit reports, and maintaining audit records.

Lead Quality Assurance/Quality Control (QA/QC) Reviewer: Heather Wood (Kennedy/Jenks)

Heather is the former Director of Sustainability for the Port of Virginia, responsible for development of their environmental programs and permit compliance (including NPDES). Heather is also the former Chair of the American Association of Port Authorities Environmental Committee. She is Kennedy/Jenks' Ports and Harbors Sector Leader. In her role as the Lead QA/QC Reviewer, she will direct the review of MS4 Permit Audit work products, including draft and final audit reports, by qualified Kennedy/Jenks staff.

Deputy Audit Project Manager – Phil Potter (Kennedy/Jenks)

Phil is based in Kennedy/Jenks' Honolulu office and leads the firm's stormwater practice in Hawaii. For over 8 years, he has assisted municipal clients including the HDOT Highways Oahu District and the City and County of Honolulu with development and implementation of their NPDES compliance programs. In his role as the Deputy Audit PM, Phil is responsible for assisting the Audit PM in the execution of the Audit Work Plan and will directly coordinate with the HDOT MS4 Permit Coordinators and other stakeholders.

Auditors – Cale Yamada; Brad Takenaka, P.E.; Jon Honda P.E. (Kennedy/Jenks)

Cale, Brad, and Jon are experienced stormwater professionals in Kennedy/Jenks' Honolulu office. Among their many stormwater projects, they currently assist the City and County of Honolulu with ongoing development and implementation of its municipal stormwater program including, but not limited to, providing periodic MS4 program compliance inspections for hundreds of City and County industrial facilities throughout the island of Oahu.

Auditors are responsible for performing inspections of HDOT facilities and documentation, and performing interviews with HDOT employees responsible for MS4 program implementation and management in order to assess compliance with applicable MS4 program and CD requirements. Auditors are also responsible for coordinating with the Audit PM and Deputy Audit PM regarding any Potential Violations and Deficiencies identified. Hereinafter, the "Audit Team" refers to the Kennedy/Jenks' staff introduced above.

This page intentionally left blank
to allow for double-sided printing.

Section 3: Audit Notes and Guidelines

This Section addresses various topics intended to guide the Audit Team in completing the MS4 Permit Audit in a safe and efficient manner.

3.1 Health, Safety, and Site Access Considerations

Prior to initiating onsite evaluations (see Section 5.2), the Audit PM will lead the Audit Team in developing a Hazard Appraisal and Recognition Plan (HARP), following Kennedy/Jenks' standard safety program. The HARP describes how to identify and analyze safety risks associated with field activities, operations, and facilities; approaches for mitigating identified risks; and processes for documenting and reporting accidents, near misses, and potentially unsafe conditions which may be encountered in the field. The HARP is a "living document" which will be updated as appropriate throughout the term of the MS4 Permit Audit. The Audit Team will wear appropriate personal protective equipment (hard hat, safety vest, safety shoes, protective eyewear, and hearing protection as appropriate) while performing the onsite evaluations.

Harbors Facilities

At this time, no special security clearances or requirements are defined to be necessary at Harbors facilities and/or project sites, as long as the Audit Team is escorted by personnel with valid Transportation Worker Identification Credentials (TWIC) and documentation of Maritime Security (MARSEC) Facility Security Awareness training certification. Active loading or unloading of cargo may necessitate additional safety requirements at certain pier locations.

Airports Facilities

At this time, Airports Division facilities to be evaluated are anticipated to be outside secured air operations areas; therefore, no special requirements or clearances are defined to be necessary. Adequate notice will be provided to the Airports Division MS4 Permit Coordinator to arrange security escort as found to be necessary.

Highways Facilities

At this time, there are no defined security restrictions to access Oahu District or Maui District Highway facilities as the Audit Team will be escorted by HDOT personnel at all times.

3.2 Quality Control Procedures

The Audit PM is responsible for ensuring that Kennedy/Jenks' effort and deliverables meet their company's professional mandate to consistently perform work in a technically correct manner, meeting the standard of care for their profession. The standard of care is defined to represent the watchfulness, attention, caution, prudence, and skill that other qualified professionals in the same or similar circumstances would exercise.

Kennedy/Jenks' quality assurance (QA) program includes processes and procedures developed over their near century-old history to achieve and maintain a rigorous level of quality, planning,

application, and verification. Its quality control (QC) program implements this process and QC reviewers will continuously monitor their effort and work products on this project to meet contract and CD requirements, Kennedy/Jenks' QA/QC standards, and HDOT's expectations.

3.3 Photographs

Digital photographs collected and archived during the course of the MS4 Permit Audit will be managed in accordance with EPA's *Digital Camera Guidance for EPA Civil Inspections and Investigations* (2006). Photographs taken will be organized into photograph logs with each photograph numbered with the date and time included. A brief photograph caption will identify the facility or site name, describe what is depicted in the photograph, the location, direction, and other pertinent data (e.g., the location within the facility or site) as appropriate.

3.4 "Maximum Extent Practicable" Concept

Unlike NPDES industrial wastewater permits which typically contain specific end-of-pipe effluent limits based on water quality standards or available treatment technology, HDOT's MS4 permits include programmatic requirements involving the implementation of BMPs in order to reduce pollutants discharged to the "maximum extent practicable" (MEP). In addition, HDOT's permits allow flexibility in the types of BMPs and activities implemented to meet permit requirements. There is also added complexity in evaluating several similar permits applicable to the very different operations conducted at HDOT Highways, Airports, and Harbors facilities. This makes it challenging to assess the true effectiveness of HDOT's several MS4 stormwater programs and how they may be integrated.

Per EPA (2007) guidance, HDOT is considered a non-traditional MS4 permittee, and as such, the evaluation of its MS4 programs will be specific to their particular circumstances and applicable permit requirements. Some HDOT MS4 permits contain broad requirements that outline the basic SWMPP components the permittee is required to implement, giving the permittee the flexibility to develop a program to meet these broad requirements. Other MS4 permits are more prescriptive and specify in detail the minimum activities and best management practices (BMPs) for each program element.

Given these inherent operational differences and challenges, each HDOT permittee has traditionally applied different approaches to comply with specific permit requirements based on MS4-specific traits or issues. For example, EPA regulations require permittees to develop "procedures for site inspection and enforcement" for addressing construction activities. Few MS4 permits specify how the permittee should inventory their active construction projects or track enforcement activities. A permittee with only a few construction projects a year may be able to use a paper system to inventory and track construction projects. A permittee with hundreds or thousands of construction projects would likely need a database or similar electronic tracking system to ensure it was implementing the program to a level considered to meet MEP.

It is relatively straightforward to assess whether HDOT has developed certain programs and conducted various activities that are called for and within the timeframes specified in each of the permits under consideration, as well as activities or programs specified under SWMPPs or other documents prepared by HDOT. The challenge for the Audit Team and HDOT is to assess

whether the programs and activities implemented have or will constitute MEP. EPA (2007) guidance will assist with this determination, but is not definitive. Determination requires application of the Audit Team's best professional judgment.

This page intentionally left blank
to allow for double-sided printing.

Section 4: Audit Structure and Schedule

For each of the six program elements required to be reviewed by the CD, Kennedy/Jenks will review the six permitted MS4 programs concurrently, developing six Program Element Audit Reports (Final PEARs) that represent the culmination of the auditing efforts across the three HDOT Divisions.

Appendix A of the CD defines various project milestones and deadlines, described for ease of reference below:

Table 4-1 CD Appendix A Deadlines

Program Element	Evaluation Complete: [a]	Draft PEAR to HDOT: [d]	HDOT Review of Draft PEAR: [e]	Final PEAR to HDOT: [f]
PEAR #1: Post-Construction Runoff Control / Permanent Best Management Practices	3 Months (90 Days) [b] After AWPC[c] 13 June 2017	135 Days After AWPC 28 July 2017	165 Days After AWPC 27 August 2017	210 Days After AWPC 11 October 2017
PEAR #2: Construction Site Runoff Control	9 Months (270 Days) After AWPC 10 December 2017	315 Days After AWPC 24 January 2017	345 Days After AWPC 23 February 2017	390 Days After AWPC 9 April 2018
PEAR #3: Public Outreach / Public Involvement	15 Months (450 Days) After AWPC 8 June 2018	495 Days After AWPC 23 July 2018	525 Days After AWPC 22 August 2018	570 Days After AWPC 8 October 2018
PEAR #4: Illicit Discharge Detection and Elimination Program Element and Industrial Commercial Activities/Tenant Programs	21 Months (630 Days) After AWPC 5 December 2018	675 Days After AWPC 19 January 2019	705 Days After AWPC 18 February 2019	750 Days After AWPC 4 April 2019
PEAR #5: Pollution Prevention / Good Housekeeping	27 Months (810 Days) After AWPC 3 June 2019	855 Days After AWPC 18 July 2019	885 Days After AWPC 17 August 2019	930 Days After AWPC 1 October 2019
PEAR #6: Staffing, Funding, Organizational Structure, Availability of Resources and Storm Water Program Sustainability	33 Months (990 Days) After AWPC 30 November 2019	1035 Days After AWPC 14 January 2020	1065 Days After AWPC 13 February 2019	1110 Days After AWPC 29 March 2020

Notes:

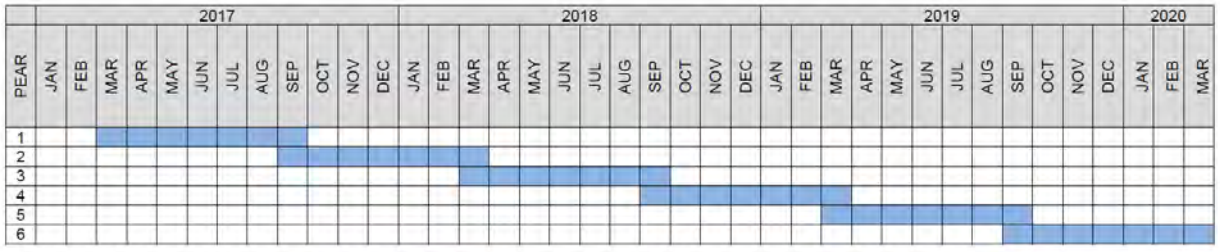
(a) "Evaluation" as referenced in CD Appendix A Section B.5. is defined in this AWP to represent the conclusion of the Post-Onsite Evaluation Review Period (See Section 5.2.3) for PEARs #1, 2, 4, and 5. For PEARs #3 and 6, no onsite evaluation is required and therefore "evaluation" is defined to represent the date of conclusion of the Records Review period. Please refer to Appendix C for more detail.

(b) “Months” are based on 30-day months in this AWP.
(c) AWPC = Audit Work Plan Commencement (15 March 2017)
(d) Pursuant to CD Appendix A Section D.2., Kennedy/Jenks will complete a draft audit report and transmit it to HDOT within 45 days of completing an audit of a program element (defined in this AWP as the conclusion of “evaluation”, as discussed in Note (a)).
(e) Pursuant to CD Appendix A Section D.3., HDOT will review the draft PEAR to correct any factual inaccuracies within 30 days of receipt.
(f) Pursuant to CD Appendix A Section D.4., Kennedy/Jenks will complete a final PEAR within 120 days of completing an audit of a program element (defined in this AWP as the conclusion of “evaluation”, as discussed in Note (a)).

Section 5: Program Element Audits

Each program element audit will follow a similar schedule and structure, discussed generally in this section. The Program Element Audits will occur over a 37-month period depicted graphically below (Figure 5-1):

Figure 5-1 Program Element Audit Schedule



Appendices B1 - B6 list the basic information anticipated to be reviewed for each MS4 program element to be audited. The Audit Team will utilize worksheets provided in Appendices B1 - B6 to collect and track information for each MS4 permit and element. References to Appendices C1 - C6 are also included, defining specific schedules for each of the six PEARs. Each Program Element Audit will include three phases (Pre-Audit, Onsite Evaluation, and Reporting), detailed in the following sections.

5.1 Pre-Audit

This Section describes the first phase of each Program Element Audit.

5.1.1 Notice of Audit

The Audit Team will schedule events, confirm appropriate participants, and begin planning the upcoming program element audit with the HDOT PM prior to initiating each Program Element Audit (Appendices C1 - C6 Item 1). The HDOT PM will coordinate with the MS4 Permit Coordinators to provide the following for each of the six MS4 permits:

- Facility or Division-specific SWMPPs
- Recent Annual Reports
- Documentation of required training, inspection reports, legal enforcement correspondence, if any, etc.
- Relevant memoranda of understanding with adjacent of contributing agencies, municipalities, etc.
- Organizational charts specifically listing HDOT staff with MS4 permit authority and responsibility.

The HDOT PM will coordinate with the MS4 Permit Coordinators to identify individuals and stakeholders that should be engaged during the MS4 Permit Audit.

5.1.2 Records Request

The Audit Team will review those sections of the NPDES permits, SWMPPs, guidance documents, the CD, etc. pertinent to the each individual audit element. Based on this review, the Audit Team will develop a records request and submit it to the HDOT PM (Appendices C1 - C6 Item 2). Where documentation is required (completed forms, logs, sign-in sheets, etc.), the Audit Team will request a subset of relevant records for verification. Electronic records are preferred, but physical copies of hard copy records are also acceptable. The HDOT PM will work with the MS4 Permit Coordinators to acquire and provide requested records to the Audit Team (Appendices C1 - C6 Item 3).

5.1.3 Records Review

The Audit Team will compare the program element requirements and commitments identified in the NPDES permits, SWMPPs, CD, annual reports, etc. and the records obtained in the record review (Appendices C1 - C6 Item 4). This review will be informed to the extent appropriate by the interview questionnaire provided in Appendices B1 - B6. It is expected that several conference calls between the Audit Team, HDOT PM, and MS4 Permit Coordinators may be conducted during this period.

5.2 Onsite Evaluation

This Section describes the second phase of each Program Element Audit.

5.2.1 Pre-Onsite Evaluation Conference Call

The Audit Team and HDOT PM will contact each MS4 Permit Coordinator to confirm schedules, address questions and security concerns, confirm personnel safety equipment needed, and organize training and orientation briefings that may be required (Appendices C1 - C6 Item 5).

5.2.2 Onsite Evaluation

For work planning purposes, it is assumed that onsite evaluations for each Program Element will be conducted over the course of five (5) days (except for PEAR #4, which requires an extra day). Detailed activity descriptions and schedules are included in Appendices C1 - C6 (Item 6). It should be noted that following EPA (2007) guidance, PEAR #3 and PEAR #6 do not require onsite evaluations[2]. The onsite evaluations for each Program Element are tentatively scheduled during the following time periods (Table 5-1):

[2] Although no on-site evaluation is required for PEAR #3 (Public Outreach / Public Involvement Program), the Audit Team will endeavor to identify and attend events such as Harbors' tenant outreach in order to gain a well-rounded understanding of this program.

Table 5-1 Tentative On-Site Evaluation Dates

PEAR	On-Site Evaluation
PEAR #1: Post-Construction / Permanent Best Management Practices	Tuesday 30 May 2017 to Monday 5 June 2017
PEAR #2: Construction Site Runoff Control	Monday 27 November 2017 to Friday 1 December 2017
PEAR #3: Public Outreach / Public Involvement Program	[none required]
PEAR #4: Illicit Discharge Detection and Elimination Program Element and Industrial Commercial Activities/Tenant Program	Monday 19 November 2018 to Wednesday 28 November 2018
PEAR #5: Pollution Prevention / Good Housekeeping Program	Monday 20 May 2019 to Friday 24 May 2019
PEAR #6: Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability	[none required]

5.2.3 Post-Onsite Evaluation Review Period

Following the Onsite Evaluations, the Audit Team will review the findings of the Pre-Audits and Onsite Evaluations and address final evaluation-related tasks that may have been noted (Appendices C1 - C6 Item 7). This review period completes the evaluation of the program element, as referenced in CD Appendix A Section B.5.

5.3 Reporting

This Section describes the third phase of each Program Element Audit.

5.3.1 Draft PEARs

Pursuant to the CD, the Audit Team will prepare draft PEARs documenting the procedures followed, sites and activities visited, materials reviewed, and a summary of major findings from the program element audits of the six HDOT NPDES permits (Appendices C1 - C6 Item 8). The PEARs will be structured so that they may be easily incorporated into each Division's Annual Compliance Report (ACR) (see Section 7).

The Audit Team will endeavor to draw defensible conclusions based on the NPDES permit requirements and conditions, the SWMPP developed to meet the permit goals, measurable achievement of those goals, and the Audit Team's best professional judgment interpretation of compliance with the NPDES regulations.

EPA (2007) guidance describes that, in some cases, it may not be possible to assess compliance with a program component because of the limitations of the MS4 program evaluation process. If this is found to be the case, the draft PEAR for the program element will state that this is the case and provide as much supporting information as possible. Similarly, if there were no findings of note for a particular SWMPP or NPDES component, this fact will be stated in the PEAR.

If the Audit Team identifies what may be a Potential Violation or Deficiency at any point during the Pre-Audit, Onsite Evaluation, or Reporting periods, actions will be taken in accordance with the decision tree defined in Section 6 for the Audit Team, HDOT PM, and MS4 Permit Coordinators to follow. The draft PEAR will describe the two findings as follows:

- Findings reviewed per Section 6 and found to be Potential Violations, reported to DOH/EPA and addressed via Corrective Actions.
- Findings found to be Deficiencies, for which recommendations for improvement will be included.

Each draft PEAR will identify BMPs and opportunities for information/technology transfer that may be considered for application across the three HDOT Divisions. The draft PEARs will also analyze the practices implemented for each HDOT Division's program elements and assess whether identified best practices can be universally implemented across the three HDOT Divisions. If best practices cannot be universally implemented, the draft PEAR report will describe identified impediments (such as legal barriers). The draft PEAR will also identify positive program elements considered to exceed the NPDES requirements and SWMPP. Finally, the draft PEAR will include a retrospective analysis of activities that are considered to be potentially outmoded, ineffective, insufficient, or excessively burdensome. Recommendations to modify, streamline, or expand them in accordance with what has been learned will be listed.

The Audit Team will complete the draft PEAR within 45 days of the completion of the evaluation for each program element. The Audit Team will provide five (5) copies of the draft PEAR and one electronic file copy in Word (Version 2007 or earlier) to the HDOT PM.

5.3.2 HDOT Review

Upon receipt, the HDOT PM will distribute copies of the draft PEARs to the appropriate MS4 Permit Coordinators, who will be responsible for reviewing the reports and distributing the reports to key personnel for their review. The MS4 Permit Coordinators will submit to the HDOT PM a consolidated written request for clarification and corrections to the draft PEAR for their respective permit as found to be necessary (Appendices C1 - C6 Item 9). The HDOT PM will then submit the consolidated requests and corrections to the Audit PM (Appendices C1 - C6 Item 10).

5.3.3 Final Audit Report

Upon receipt of the consolidated requests and corrections, the Audit Team will make appropriate changes to the draft PEARs and submit the final PEARs (Appendices C1 - C6 Item 11).

For PEARs #1 - 5, the Final PEAR is scheduled to be submitted approximately 25 days in advance of the CD deadline. This is intended to afford additional time for the Divisions in each subsequent Program Element Audit. The CD is structured such that, if followed strictly, only 60 calendar days are afforded for Steps 1 to 7 of PEARs #2 - 6. For example, Final PEAR #1 is due at 210 days following AWPC and the evaluation of PEAR #2 is due at 270 days following AWPC. By reducing the time it takes Kennedy/Jenks to write the Final PEAR, an additional 25 days are afforded to the Divisions to fulfill the records request for the subsequent audit (Appendices C2 - C6 Item 3).

The Audit Team will provide five (5) copies of the final PEARs and one electronic file copy in Word (Version 2007 or earlier) to the HDOT PM.

5.3.4 Post-Audit Report Review

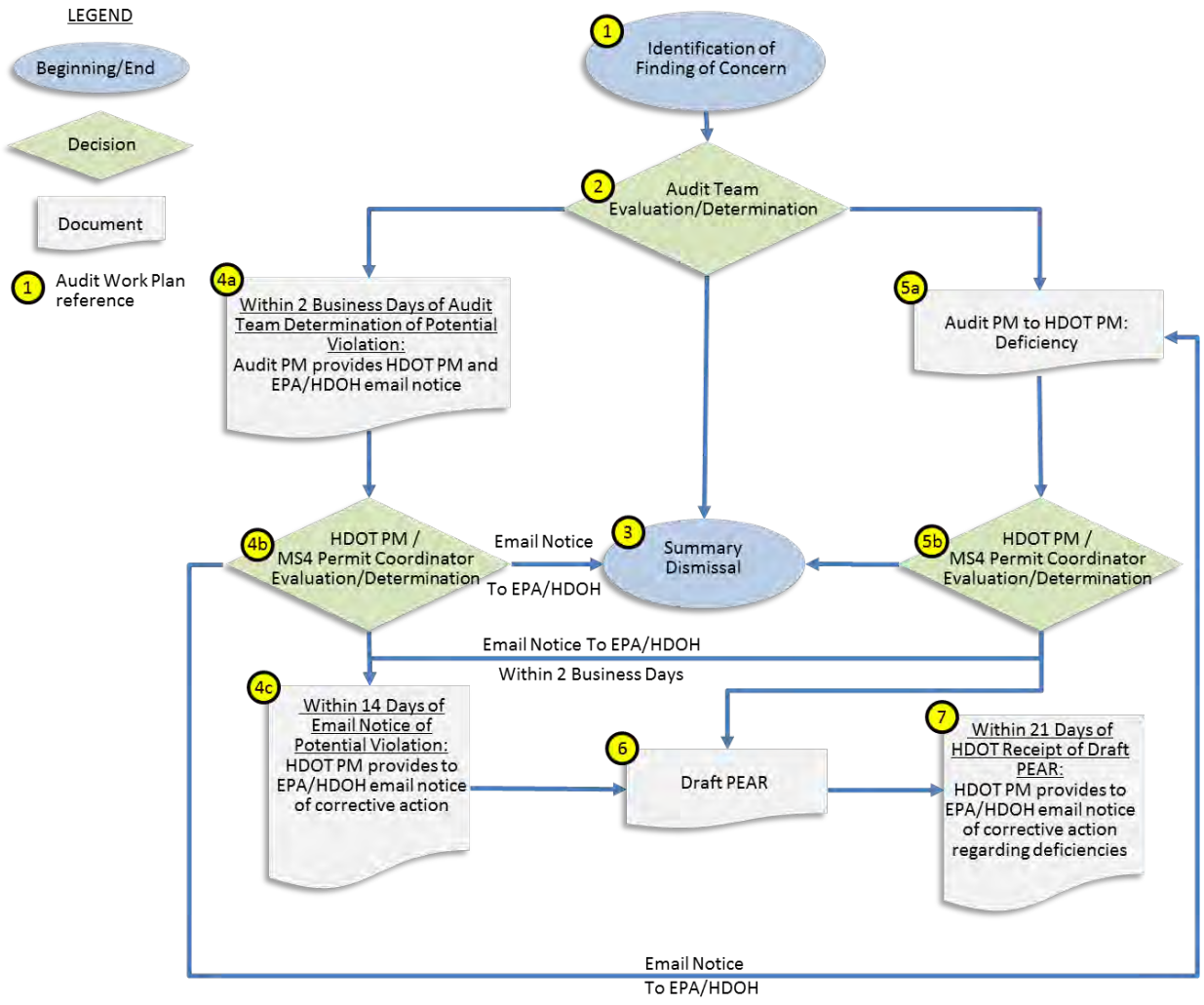
The HDOT PM and Audit PM will meet after the submission of each PEAR to discuss QC procedures and potential improvements to be made prior to the subsequent PEAR.

This page intentionally left blank
to allow for double-sided printing.

Section 6: Potential Violations and Deficiencies

If at any point during the Pre-Audit, Onsite Evaluation or Reporting Periods the Audit Team identifies what may represent a Potential Violation or Deficiency (hereinafter "Finding of Concern"), the Audit Team, HDOT PM, and MS4 Permit Coordinators will follow the decision tree shown on Figure 6-1.

Figure 6-1 Potential Violation and Deficiency Decision Tree



1 6.1 Identification of Finding of Concern

2 6.2 Audit Team Consultation

Upon identification of a Finding of Concern, the Audit Team will consult internally to assess whether the Finding of Concern may represent a Potential Violation, a Deficiency, or whether it summarily merits dismissal.

Potential Violation - The Audit Team will categorize the Finding of Concern as a Potential Violation if it meets the EPA (2007) guidance definition of an "area where the evaluation found the permittee not in compliance with a specific permit requirement or SWMPP commitment". These occurrences would follow the procedures listed in Section 6.3.

Deficiency – The Audit Team will categorize the Finding of Concern as a Deficiency if it meets the Consent Decree definition of an "item which, if not corrected, will lead to potential violations"[1]. These occurrences would follow the procedures listed in Section 6.4.

3 Summary Dismissal – The Audit Team will dismiss the Finding of Concern if it does not meet either the definition of a Potential Violation or a Deficiency. No further action will be required.

[1] EPA (2007) guidance further elaborates that deficiencies are areas of concern impeding effective program implementation. They are typically areas where the permit or SWMPP does not describe specifically how the permittee should conduct an activity, yet the evaluator believes the permittee may consider altering how they conduct the activity to meet water quality goals. Deficiencies can also be areas where future permit violations could result if the permittee continues on its present path. The Audit Team will look for opportunities to enhance program elements (e.g. recommending that MS4 Coordinators perform required annual reviews earlier in the year, thereby allowing time for self-correction).

6.3 Potential Violation Decision Tree

4a **Notification: Audit PM to HDOT PM and EPA & DOH**

If the Finding of Concern is categorized by the Audit Team as a Potential Violation, the Audit PM will notify the HDOT PM and EPA & DOH via email[1] within 2 business days of making the determination using the form presented in Appendix D1. Additionally, the HDOT PM will be notified via telephone. These notifications will include the following information:

1. Specific details of the Potential Violation
2. Related photographs, if any
3. Applicable regulatory references [i.e., NPDES permit, SWMPP, Hawaii Administrative Rules (HAR), or Code of Federal Regulations (CFR) references, as applicable].

4b **Evaluation/Determination**

The HDOT PM will consult with the appropriate MS4 Permit Coordinator to further investigate the factual accuracy of the Potential Violation determination. Based on that consultation, the Potential Violation may be summarily dismissed (if found to be factually inaccurate) or re-categorized as a Deficiency (if incorrectly categorized as a Potential Violation). Both of these scenarios would be accompanied by email notification from the HDOT PM to EPA & DOH using the form presented in Appendix D2. The time required for this consultation is included in the 14-day timeline described in Item 4c, below.

4c **Determination of Potential Violation**

If the Finding of Concern is confirmed to be a Potential Violation, the HDOT PM will then work with the appropriate MS4 Permit Coordinator to assess suitable corrective actions.

Unless otherwise agreed upon with EPA & DOH, HDOT will correct the Potential Violation within 14 days of initial Audit Team email notification to EPA & DOH (see Item 4a above). Email notification of the Corrective Action will be provided to EPA & DOH by the HDOT PM using the forms presented in Appendix D2 and Appendix D3. The Consent Decree allows HDOT the option to request an extension to this reporting deadline. In order for EPA & DOH to agree to an extension, HDOT must provide a corrective action workplan, including a final compliance date, to EPA & DOH.

[1] Per EPA & DOH request, Connor Adams (EPA) and Matthew Kurano (DOH) will be copied on all email notifications to EPA & DOH.

6.4 Deficiency Decision Tree

5a **Notification: Audit PM to HDOT PM**

If a Finding of Concern is categorized as a Deficiency, the Audit PM will notify the HDOT PM via telephone and email and include the following information:

1. Specific details of the Deficiency
2. Related photographs, if any
3. Applicable regulatory references (i.e., NPDES permit, SWMPP, HAR, or CFR references, as applicable).

5b **Evaluation/Determination**

The HDOT PM will consult with the appropriate MS4 Permit Coordinator to further investigate the factual accuracy of the Deficiency determination. Based on that consultation, the Deficiency may be summarily dismissed (if found to be factually inaccurate) or re-categorized as a Potential Violation (if incorrectly categorized as a Deficiency). The latter scenario will be accompanied by an email notification to EPA & DOH within 2 business days of making the determination using the form presented in Appendix D2.

6 **Deficiency**

If the finding is confirmed to be a Deficiency, this finding (along with confirmed Potential Violations) will be documented in the appropriate draft PEAR. The HDOT PM will work with the appropriate MS4 Permit Coordinator to assess the appropriate corrective actions.

7 Unless otherwise agreed upon with EPA & DOH, HDOT will correct Deficiencies within 21 days of receiving the draft PEAR (Appendices C1 - C6 Item 8). Email notification of the Corrective Action will be provided to EPA & DOH by the HDOT PM using the form included in Appendix D3. The CD allows HDOT the option to request an extension to this reporting deadline. In order for EPA & DOH to agree to an extension, HDOT must provide a corrective action workplan, including a final compliance date, to EPA & DOH.

Section 7: Annual Compliance Report

Due to the differences in Division operations, not all portions of each PEAR will be applicable to all MS4 permittees. As such, the PEARs will be structured so that they may be easily incorporated into each Division's Annual Compliance Report (ACR). The HDOT PM will work with each permittee to ensure that the appropriate PEAR content is included in each individual ACR. Each ACR will include a detailed summary of actions taken as a result of the audit reports and dates at which corrective actions, if warranted, were taken.

Additionally, pursuant to CD Appendix A Section D.5., the HDOT PM will submit each original draft and final PEAR to EPA & DOH at the same time that ACRs are submitted. Within the draft and final PEAR, an authorized HDOT official will certify that, to the best of the official's knowledge and information, the MS4 Permit Audit was conducted in accordance with this AWP. If items have not been corrected, HDOT will provide a schedule for implementing corrective measures.

References

United States Environmental Protection Agency. 2005. Small SM4 Stormwater Program Overview. December. Accessed online at <https://www3.epa.gov/npdes/pubs/fact2-0.pdf>.

United States Environmental Protection Agency. 2006. Digital Camera Guidance for EPA Civil Inspections and Investigations. July. Accessed online at <https://www.epa.gov/sites/production/files/2013-09/documents/digitalcameraguide.pdf>.

United States Environmental Protection Agency. 2007. *MS4 Program Evaluation Guidance.* Accessed online at <https://www3.epa.gov/npdes/pubs/ms4guide_withappendixa.pdf>.

Appendix A

Consent Decree Sections Pertaining to Audit
(10.d Page and Appendix A)

Divisions. HDOT shall ensure that HDOT Office of Environmental Compliance staff have the training and professional qualifications, sufficient to assess compliance, to identify actual or potential non-compliance, and to identify and require implementation of remedies.

d. The HDOT Office of Environmental Compliance staff shall perform audits of each operational division of HDOT in accordance with Appendix A.

11. Stormwater Management Plan (SWMP)

a. Modification of Stormwater Management Plan Elements

i. HDOT-Harbors shall modify the 2009 SWMPs for Honolulu Harbor and Kalaeloa Barbers Point Harbor to integrate changes described below. The modified SWMPs shall be provided to EPA and HDOH no later than 90 days of entry of the Consent Decree. HDOT-Harbors may choose to develop one SWMP for both Harbors.

ii. Within 90 days of entry of the Consent Decree, HDOT-Harbors shall post the SWMPs on HDOT-Harbors' stormwater management website. HDOT-Harbors shall solicit comments from Tenants and the public, through a variety of mechanisms. HDOT-Harbors shall provide a schedule for receipt of comments, not to exceed 45 days. Among other mechanisms, HDOT-Harbors shall solicit comments on the SWMP by publishing notices regarding its availability for review and comment in one local newspaper. HDOT-Harbors shall continue to maintain records of comments received as described in SWMP Section 3.2.

APPENDIX A

ENVIRONMENTAL COMPLIANCE AUDITS

A. General Provisions

1. This Appendix provides details of the NPDES MS4 compliance audits required by Paragraph 10.d of the Consent Decree. The audits shall include evaluation of common stormwater program elements at each of HDOT's three divisions (Airports, Highways and Harbors), as stated in Paragraph A.3 below, throughout the state on a per element schedule. The audits shall be completed to fulfill the following goals:
    a. Determine compliance with the federal regulations and state MS4 permits and regulations and this Consent Decree (see Paragraph A.2, below);
    b. Ensure information gathered during the audits is used to promote information and technology transfer between divisions; and
    c. Identify deficiencies and potential violations that are discovered by the third party auditor and allow for timely self-correction of the deficiencies and potential violations by HDOT.
2. The audits shall be designed to assess current regulatory and administrative compliance with the following items throughout each of HDOT's divisions:
    a. The Hawaii NPDES General Permit Authorizing Discharges of Storm Water and Certain Non-Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (Hawaii Small MS4 General Permit), Hawaii Administrative Rules, chapter 11-55, Appendix K;
    b. NPDES permit, Permit No. HI S000001, MS4 Permit for the HDOT-Highways, Oahu District;
    c. NPDES Permit, Permit No. HIS000005, MS4 Permit for the HDOT-Airports, Honolulu International Airport;
    d. Applicable Storm Water Management Plans (SWMPs); and
    e. This Consent Decree.
    f. Future NPDES MS4 permits and SWMPs issued to HDOT. This obligation shall not delay or prevent termination of the Consent Decree.
3. The audits shall include, but not be limited to, an evaluation of the following MS4 Program Elements as they relate to compliance at each of HDOT's three divisions:
    a. Public Education/Outreach and Participation/Involvement
    b. Illicit Discharge Detection and Elimination (including commercial/tenant oversight programs)
    c. Construction Site Runoff Control
    d. Post-Construction Runoff Control/ Permanent BMPs
    e. Pollution Prevention/ Good Housekeeping
    f. An analysis of how Staffing, Funding, Organizational Structure, Availability of Resources and Storm Water Program Sustainability impact MS4 compliance
4. HDOT shall audit Program Elements for the Harbors, Airports and Highways Divisions in accordance with the schedule defined in the Work Plan described in Paragraph B.1, below.

5. The audits shall be conducted by a qualified third party environmental consulting firm retained by HDOT and selected by a committee consisting of representatives of the HDOH and HDOT. The selection committee shall choose an audit firm which is experienced with environmental auditing and the permits and regulations described in Paragraph A.2, above.
6. The requirements of this Appendix related to the consulting firm's qualifications, authority to conduct the audits, and production of the HDOT Audit Reports (Audit Reports) shall be incorporated in any contract relating to the audits entered into by HDOT and the selected consulting firm to the extent allowed by State Procurement Code.
7. Any violations by HDOT discovered though the execution of the Environmental Compliance Audit detailed in this Appendix are neither "voluntarily discovered" within the terms of EPA's revised *Incentives for Self-Policing: Discovery, Disclosure, Correction and Prevention of Violations Policy* (Audit Policy) nor voluntarily disclosed to EPA under EPA penalty policies. Accordingly, any such violations are ineligible for penalty mitigation or other favorable treatment under the Audit Policy.
8. HDOT agrees not to attempt to use any state audit and/or privilege laws to restrict EPA's or HDOH's ability to review the Audit Reports at HDOT facilities to determine if the audits have been properly completed and HDOT has corrected any uncorrected non-compliance, potential violation, or deficiency as per its certification (see Paragraph F below). Also, HDOT agrees not to attempt to use any state audit and/or privilege laws to restrict EPA's or HDOH's ability to obtain, review and/or use the Audit Reports in any action to enforce the audit provisions of the Consent Decree. Neither information contained in the Audit Reports, nor underlying information upon which the Audit Reports relied, that indicates regulatory violations at any HDOT facility, shall be claimed as confidential business information by HDOT or its consulting firm.

B. Procurement of Services/Audit Work Plan

1. HDOT shall advertise a Request for Qualifications from third party audit firms to conduct the audits. Advertisement for the Request for Qualifications shall not exceed forty-five (45) days.
2. Within thirty (30) days of the end of the Request for Qualifications period, the HDOT and HDOH selection committee shall conduct the professional services selection of an audit firm and provide the recommendation to the Director.
3. Within fifteen (15) days of the selection committee recommendation to the Director of Transportation, or another length of time agreed to by EPA and HDOH, HDOT shall notify the potential audit firm with a letter of selection, pending negotiation of fees.
4. Within thirty (30) days or another length of time agreed to by EPA and HDOH, HDOT shall, as approved by the Director of Transportation, award the selected audit firm and proceed to process the contract for the audit work. Within seven (7) days of each milestone, HDOT shall notify EPA and HDOH by email that the following milestones were completed:
    a. Request for Qualifications advertisement;
    b. Awarding of contract between HDOT and the selected audit firm;
    c. Notice to Proceed on the Audit.
5. On or before September 16, 2016, HDOT shall submit a draft audit work plan (Audit Work Plan) to EPA and HDOH for review and approval. In developing the Audit Work Plan, HDOT shall consult EPA's guidance on auditing small MS4s:

http://www.epa.gov/npdes/pubs/ms4guide_withappendixa.pdf The Audit Work Plan shall include the following audit schedule and describe each task necessary to accomplish the Audit Scope with targeted time frames for the consulting firm to complete:

a. 3 months after the Audit Work Plan is approved: Evaluation of Post Construction/Permanent BMP programs for all three HDOT divisions;
b. 9 months after the Audit Work Plan is approved: Evaluation of Construction Site Runoff Control programs for all three HDOT divisions;
c. 15 months after the Audit Work Plan is approved: Evaluation of Public Outreach/Public Involvement for all three HDOT divisions;
d. 21 months after the Audit Work Plan is approved: Evaluation of Illicit Discharge Detection and Elimination, Industrial Commercial Activities/Tenant Programs for all three HDOT Divisions;
e. 27 months after the Audit Work Plan is approved: Evaluation of Pollution Prevention/Good Housekeeping for all three HDOT Divisions;
f. 33 months after the Audit Work Plan is approved: Evaluation of Staffing, Funding, Organizational Structure, Availability of Resources and Storm Water Program Sustainability for all three HDOT divisions.

6. The Audit Work Plan shall include, but is not limited to: the minimum documents to be reviewed (e.g. SWMPs, training records, inspection reports, etc.), minimum number of field verifications, as necessary, for each program element evaluated, deliverables (notices of potential violations, draft and final audit reports), and reporting deadlines.
7. EPA, after consultation with HDOH, may reject the draft Audit Work Plan in whole or in part. If EPA rejects the Audit Work Plan or any portion of it, EPA shall identify the reason(s) in writing to HDOT for such rejection and may require HDOT to redraft the Audit Work Plan in its entirety or part. EPA shall provide any comments to HDOT within forty-five (45) days.
8. If EPA and HDOH reject the Audit Work Plan in whole or part, HDOT shall resubmit a revised Audit Work Plan within one hundred and twenty (120) days. After submission of the revised Audit Work Plan, EPA, after consultation with HDOH, shall provide any comments to HDOT within forty-five (45) days. HDOT will review all comments and make all required modifications to the revised Audit Work Plan. If EPA does not provide written comments, the revised Audit Work Plan shall be deemed approved by EPA and HDOH.

C. Audits

1. HDOT shall take all appropriate measures to facilitate the audit firm in performing the audits in accordance with the approved Audit Work Plan.
2. HDOT shall grant the audit firm full access to and unrestricted review of all HDOT records, documents and information that the audit firm requires to complete the audits.

D. Reporting/Audit Reports

1. HDOT shall require the audit firm to provide preliminary written notice of any potential violations identified in any audit to HDOT, EPA and HDOH within 2 business days following an audit of a program element in Paragraph B.1, above.
2. HDOT shall require the audit firm to complete a draft audit report to HDOT within 45 days of completing an audit of a program element.
3. HDOT shall review the draft audit report to correct any factual inaccuracies within 30 days after receiving the draft audit report.
4. HDOT shall require the audit firm to complete a final audit report within 120 days, or another length of time agreed to by EPA and DOH, of completing an audit of a program element.
5. HDOT shall submit original draft and final audit reports to EPA and HDOH with the Annual Compliance Report (ACR).
6. HDOT shall provide a detailed summary of any actions taken as a result of the audit reports and dates at which those actions were taken with the ACR.
7. The HDOT Audit Reports shall contain:
    a. A specific statement of the procedures followed, HDOT sites and activities visited and all materials reviewed during the audits;
    b. Retrospective analysis of activities that may be outmoded, ineffective, insufficient, or excessively burdensome, and recommendations to modify, streamline, or expand them in accordance with what has been learned;
    c. An identification of deficiencies (items which, if not corrected, will lead to potential violations) and potential violations with the applicable SWMPs, this Consent Decree, and/or applicable permit and regulations, and recommendations for improvement;
    d. Identification of best practices and opportunities for information/technology transfer to be applied across all divisions; and
    e. An analysis of the practices implemented for each Division's program elements and a determination as to whether identified best practices can be universally implement across all three Divisions. If best practices cannot be universally implemented, the report shall clearly describe the identified impediments.
8. HDOT shall correct any deficiency or potential violation identified in the Audit Reports or otherwise discovered by HDOT as part of the audit process set forth herein within the time frames identified in Paragraph E below.

E. Corrections of Potential Violations and Deficiencies

1. HDOT shall correct any potential violations within 14 days of notification as described in D.1 of this Appendix, or another period of time agreed to by EPA and DOH. In order for EPA and DOH to agree to an extension, HDOT must provide a corrective action workplan, including a final compliance date, to EPA and HDOH.
2. HDOT shall correct any deficiencies within 21 days of receiving the draft Audit Report, or another period of time agreed to by EPA and HDOH. In order for EPA and HDOH to agree to an extension, HDOT must provide a corrective action workplan, including a final compliance date, to EPA and HDOH.
3. If HDOT corrects any violation discovered through the Audit process within the time frames described above, it shall not be subject any related stipulated penalties under Paragraph 30.

4. Notwithstanding anything in E.3 of this Appendix, the United States and HDOH reserve all legal and equitable remedies available to enforce the provisions of this Consent Decree or to obtain penalties or injunctive relief under the Act or its implementing regulations, or under other federal or State laws, regulations, or permit conditions, if HDOH or EPA independently discovers a violation of a permit, law, or statute.
5. Similarly, United States and HDOH, reserve all legal and equitable remedies available to enforce the provisions of this Consent Decree or to obtain penalties or injunctive relief under the Act or its implementing regulations, or under other federal or State laws, regulations, or permit conditions, if an activity or violation poses an immediate threat to human health or the environment.

F. Certifications

1. HDOT shall provide the following information and certifications to EPA and HDOH regarding completion of each audit and correction of any non-compliance or potential violation identified in the Audit Reports or otherwise discovered by HDOT as part of the audit process within an Environmental Compliance Audit section of the ACR. An authorized HDOT official shall certify that, to the best of the official's knowledge and information, the audits were conducted in accordance with the Work Plan described above, the Audit Reports are submitted to HDOT, EPA and HDOH in the ACR as described above, and all items of non-compliance identified in the Audit Reports have been corrected or steps have been taken to correct them. If all items have not been corrected, HDOT must include a schedule for correcting the issue.

Appendix B

PEAR 1 through 6 Guiding Questions

B1: PEAR #1 – Post-Construction / Permanent Best Management Practices

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
A	**Overall Approach**						
A1	Discuss the process chronologically in the order that a project would occur. Walk us through the process as if we were a developer proposing a project.						
B	**Laws/Rules/Regulations/Policies**						
B1	What legal authority does the permittee have to require post-construction BMPs on development sites and to ensure maintenance?						
B2	Does the permittee's legal authority address post-construction requirements for all projects disturbing one acre or more?						
B3	Does the legal authority require site design, source control, and stormwater treatment BMPs?						
B4	What exemptions do the laws/rules/regulations/policies or other legal authority allow?						
B5	What procedures for alternative compliance (i.e., planning-level BMPs and other non-structural controls) are allowed?						
B6	Does the legal authority authorize the permittee to require stormwater management plans to address post-construction impacts?						
B7	Do the laws/rules/regulations/policies outline the contents of an approvable plan and responsibilities for operation and maintenance of approved BMPs?						
C	**Post-Construction BMP Standards**						
C1	What technical guidance (e.g., BMP manual) does the permittee use as the standard for design and selection of post-construction BMPs? Note: It is not necessary to do a thorough review of the manual or standards used by the permittee.						
C2	Are project proponents required to follow a technical guidance manual?						
C3	Does the guidance provide siting and use criteria for the BMPs to ensure proper and adequate BMPs are being selected and implemented?						
C4	Does the guidance provide siting and use criteria for BMP selection based on the development context (i.e., BMP selection appropriate for ultra urban-areas versus those more appropriate for more rural settings with larger parcels)?						
C5	Are pollutants of concern that are typically generated by the proposed development type considered when selecting or approving BMPs?						
C6	Does the technical manual provide guidance on sizing, performance, and location of BMPs?						
C7	When was the BMP manual last updated?						
C8	Does the permittee have different requirements or standards for different types of developments (e.g., specific post-construction requirements for gas stations or automobile repair facilities)?						
C9	Does the permittee have design manuals related to land-efficient site designs (e.g. better site design, better models for large retailers)?						
C10	Does the permittee promote source control and site design standards to reduce the generation of pollutants in addition to treatment BMPs?						
C11	Does the permittee include in standards and manuals specifications for innovative site design practices, such as low-impact development and other techniques that manage runoff on-site?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
C12	Are project applicants encouraged or required to use vegetative BMPs that promote infiltration, such as swales, biofiltration practices, etc., where possible?						
C12	Does the permittee offer financial incentives to support post-construction stormwater goals (e.g., programs to support redevelopment, such as enterprise zones, or stormwater utility credits)?						
D	**Plan Review and Approval Procedures**						
D1	Which Division/District is responsible for post-construction stormwater plan review?						
D2	How many plan reviewers are there?						
D3	How many plans submitted for review (private and public projects) each year?						
D4	What is the project size threshold for the permittee to require post-construction BMPs?						
D5	Does the permittee apply standard conditions that incorporate post-construction installation and maintenance requirements into its plan review process?						
D6	Do plan reviewers use specific criteria or a checklist when reviewing plans?						
D7	Does the permittee consider pollutants of concern or whether the project discharges to a 303(d) listed impaired water when determining which BMPs are required?						
D8	Does the permittee consider such regional concerns as smart growth initiatives, watershed master plans, and other larger-scale planning efforts to ensure that each new development and redevelopment plan is consistent with the goals of these initiatives?						
D9	For up to three sets of post-construction plans provided by permitee:						
D9a	Are adequate BMPs included on plans, details, and drawings?						
D9b	What types of standard conditions or notes are included?						
D9c	Are maintenance requirements specified?						
D9d	Do the location of BMPs hinder maintenance?						
D10	What types of projects must be reviewed by the permittee for post-construction stormwater controls?						
D11	Does the permittee have a process to identify priority projects identified in the MS4 NPDES permit?						
D12	What types of standards or technical guidance do the permittee's reviewers use to review projects?						
D13	Does the permittee condition improvements to existing developments with requirements for post-construction stormwater controls? How are these redevelopment requirements triggered?						
E	**Post-Construction BMP Inventory**						
E1	How does the permittee track the installation and maintenance of post-construction BMPs?						
E2	Is your post-construction BMP inventory managed in a database and/or linked to GIS?						
E3	What information is collected?						
F	**BMP Inspection & Maintenance**						
F1	Does the permittee require maintenance agreements for all projects with post-construction BMPs?						
F2	Are as-built inspections conducted at the conclusion of a project to ensure the BMP has been built properly? What Division/District is responsible for this?						
F3	Do staff conduct these inspections or are they self-certified?						
F4	Does the permittee inspect private facilities or require inspections by owner/operators?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
F5	If the permittee performs the inspections, how often are they performed?						
F6	If owner/operators are required to inspect and maintain their BMPs, how is this authorized? Through a MOU? Through conditions of approval? Through another type of agreement?						
F7	How does the permittee ensure inspections are occurring? Reminder notices? Inspection reports?						
F8	Who is responsible for structural stormwater BMP maintenance (public and private)? Permitee? Owner?						
G	**Enforcement**						
G1	How does the permittee require proper maintenance and repair after the inspection?						
G2	What types of enforcement actions are provided by laws/rules/regulations/policies (e.g., notices of violation, abatement)?						
G3	Is the permittee's enforcement authority limited (e.g., limits on the dollar amount of fines, inability to issue civil penalties)?						
G4	How many enforcement actions have been taken in the past year due to lack of BMP maintenance?						
H	**Public Construction Projects**						
H1	For staff:						
H1a	Are plan reviewers trained on post-construction BMPs and requirements?						
H1b	What type of training do staff performing "as built" and post-construction inspections receive?						
H1c	How often are the trainings conducted?						
H1d	How many staff have been trained?						
H1e	What type of training or education does the permittee provide to developers and engineers on post-construction requirements?						
H2	For developers and plan designers:						
H2a	What types of educational materials have been developed and distributed to developers and designers regarding post-construction BMPs and application requirements?						
H2b	How are the materials distributed? At the permit desk? During inspections?						
H2c	What type of training does the permittee provide or advertise to local developers and designers?						
H2d	How often is this training conducted?						
H2e	How many developers and designers have been trained?						
H2f	Are they required to attend?						
I	**Consent Decree Questions**						
I1a	Have activities been identified that may be outmoded, ineffective, insufficient, or excessively burdensome?						
I1b	What are recommendations to modify, streamline, or expand such activities in accordance with what has been learned?						
I2a	Have deficiencies or potential violations been identified?						
I2b	What are recommendations for correcting these deficiencies or potential violations?						
I4	Have best practices and opportunities for information/technology transfer to be applied across all Divisions been identified? If so, describe.						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport **Small MS4 Permit** **HI 14KE349**	**Honolulu International Airport** **Individual Permit** **HI S000005**	**Honolulu Harbor** **Small MS4 Permit** **HI 03KB482**	**Kalaeloa Barbers Point Harbor** **Small MS4 Permit** **HI 03KB488**	**Maui District** **Small MS4 Permit** **HI 14KE352**	**Oahu District** **Individual Permit** **HI S000001**
I5	Can identified best practices be universally implemented across all three Divisions? Why or why not?						
I6	If best practices cannot be universally implemented, what are the identified impediments?						

B2: PEAR #2 – Construction Site Runoff Control

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
A	**Laws/Rules/Regulations/Policies**						
A1	What legal authority does the permittee have to require erosion and sediment control BMPs on construction sites and to ensure compliance?						
A2	Does the permittee's legal authority address stormwater quality for all projects disturbing at least 1 acre?						
A3	What exemptions do the laws/rules/regulations/policies or other legal authority allow?						
A4	Does the legal authority authorize the permittee to require erosion and sediment control plans?						
B	**Construction Site Inventory**						
B1	How does the permittee track construction projects?						
B2	Is the following information collected?						
B2a	The number and status (active/inactive/completed) of construction sites						
B2b	The number, frequency, results, and follow-up actions resulting from inspections						
B2c	The actions taken to resolve the issues and dates when compliance was achieved.						
B2d	The number and type of enforcement actions taken at sites in violation						
B2e	Complaints submitted by the public						
B3	Does the inventory include construction sites disturbing less than 1 acre?						
B4	What is the threshold for tracking projects?						
B5	Does the inventory track which sites have submitted an NOI for coverage under a state/EPA construction general permit?						
B6	How is the inventory updated? How often?						
B7	Does the permittee prioritize projects for more frequent or targeted inspections? If yes, based on what criteria?						
C	**Construction Requirements and BMPs**						
C1	What technical guidance (e.g., BMP manual or fact sheets) does the permittee use as the standard for design and selection of nonstructural and structural construction BMPs?						
C2	Are project applicants required to follow these technical manuals?						
C3	Does the guidance set minimum operation and maintenance requirements for BMPs?						
C4	Does the guidance include installation requirements for the BMPs?						
C5	Does the guidance provide proper siting and use criteria for BMPs to ensure that adequate BMPs are being selected and implemented?						
C6	Does the permittee provide guidance as to recommended BMPs to be used?						
C7	Does the permittee have different requirements or standards for different times of the year (i.e., during the rainy season vs. the dry season)?						
D	**Plan Review Procedures**						
D1	Does the permittee hold pre-application meetings on any construction project? Are stormwater and erosion and sediment control requirements addressed at these meetings?						
D2	What is the permittee's threshold for plan review? (For example, does the permittee review plans for all projects disturbing greater than 1 acre, or do they use another threshold?)						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
D3	Does the permittee apply standard conditions that incorporate erosion and sediment control requirements into its plan review process?						
D4	Do the plan reviewers verify whether the project applicant has submitted an NOI to the state or EPA? Is evidence of NOI submission required before a plan can be approved or a local permit issued?						
D5	Do plan reviewers use specific criteria or a checklist when reviewing plans?						
D6	Does the permittee consider during the review process whether the construction project discharges to a TMDL/impaired water?						
D7	For up to two construction plans provided:						
D7a	Are adequate BMPs included on plans?						
D7b	What types of standard conditions or notes are included?						
D7c	Are maintenance requirements specified?						
D7d	Are BMPs addressing other construction activities, such as materials storage and waste disposal, incorporated into the construction plans?						
D7e	Do the plans include notes addressing the prohibition of non-stormwater discharges?						
D7f	Were comments provided by the permittee to the project proponent reasonable and appropriate?						
E	**Construction Site Inspections**						
E1	Does the permittee adequately inspect the following phases of construction?						
E1a	Clearing and grubbing and site preparation						
E1b	Mass grading and public infrastructure/utility construction						
E1c	Building construction and final grading						
E1d	Final stabilization						
E2	What group is charged with erosion and sediment control inspections?						
E3	Do the inspectors use a checklist or inspection form during each inspection?						
E4	How many inspectors does the permittee use to verify erosion and sediment control compliance at construction sites?						
E5	Does this number appear adequate to assess active construction occurring in the permitted area? Compare this to the total number of construction sites that need to be inspected at any one time (number of inspections per construction site per year). Consider project durations and phasing, local conditions (e.g., dry vs. wet seasons), and additional duties assigned to inspectors.						
E6	Does the permittee have an established prioritization process for establishing inspection frequency? If so, on what factors is the prioritization based (i.e., size, proximity to water body, sensitive areas)?						
E7	How often are sites inspected?						
E8	Does the permittee target inspections during and immediately after wet weather events? If so:						
E8a	What size rain event triggers an inspection?						
E8b	How soon after a rain event?						
E9	Is there an established rainy season for the area? Are sites inspected prior to the start of the rainy season to determine preparedness?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
F	**Program Support and Resources**						
F1	Does the program have a dedicated source of funding to support plan review staff and inspectors?						
G	**Enforcement**						
G1	What types of enforcement actions are provided for in applicable laws/rules/regulations/policies (e.g., notices of violation, “stop work” orders, fines)?						
G2	Is use of these actions outlined in an established, escalating enforcement policy?						
G3	Review with the permittee statistics on enforcement of construction site erosion and sediment controls.						
G3a	How many enforcement actions are taken per year?						
G3b	Are follow-up inspections conducted to verify compliance?						
G4	Are there limitations on the permittee’s enforcement authority (e.g., limits on the dollar amount of fines, inability to issue civil penalties)?						
G5	Do staff feel that their enforcement authority is adequate to achieve compliance on construction projects?						
H	**Training and Education**						
H1	For staff:						
H1a	What type of training do construction inspectors receive? Are plan reviewers trained on erosion and sediment control BMPs and requirements?						
H1b	How often is training conducted?						
H1c	How many staff have been trained?						
H1d	What type of follow-up is conducted by the permittee to verify that the training is effective?						
H2	For construction operators:						
H2a	What types of educational materials have been developed and distributed to construction operators?						
H2b	How are the educational materials distributed?						
H2c	What type of training does the permittee provide or advertise to local construction operators?						
H2d	How often is this training conducted? How many construction site operators have been trained?						
H2e	Are contractors and developers required to attend?						
H2f	Are training sessions held in cooperation with other local permittees or regional authorities?						
I	**Public Construction Projects**						
I1	Do RFPs or contracts include language specifying stormwater requirements?						
I2	Are inspection and maintenance requirements specified in the contract?						
I3	What oversight does the permittee implement to ensure the contractor is implementing all requirements appropriately and adequately?						
I4	What penalties are in place to require compliance from the permittee’s contractors?						
J	**Consent Decree Questions**						
J1a	Have activities been identified that may be outmoded, ineffective, insufficient, or excessively burdensome?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
J1b	What are recommendations to modify, streamline, or expand such activities in accordance with what has been learned?						
J2a	Have deficiencies or potential violations been identified?						
J2b	What are recommendations for correcting these deficiencies or potential violations?						
J3	Have best practices and opportunities for information/technology transfer to be applied across all Divisions been identified? If so, describe.						
J4	Can identified best practices be universally implemented across all three Divisions? Why or why not?						
J5	If best practices cannot be universally implemented, what are the identified impediments?						

B3: PEAR #3 – Public Outreach / Public Involvement

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
A	**Goals and Objectives**						
A1	Does the permittee have a strategy document for education and participation?						
A2	Does the document include specific goals?						
A3	On what are the goals based?						
A4	Are the goals measurable? How?						
B	**Message Development**						
B1	Have specific messages been developed for stormwater outreach?						
B2	On what are the messages based? Pollutants of concern? General awareness? Problem target audience? All of the above?						
B3	Are different messages used for different target audiences (i.e., children, homeowners, industry, etc.) or is one central message used for all?						
B4	Do the messages encourage participation in stormwater-related activities?						
B5	Do the messages educate about behavior changes that the audience can make to contribute to a solution?						
B6	Have messages been developed specific to reducing illicit discharges with information about how to report them to the appropriate authorities?						
B7	Have messages been developed to educate pesticide, fertilizer, and herbicide applicators (including homeowners) about ways to reduce stormwater pollution?						
C	**Target Audiences**						
C1	Has the permittee identified target audiences for outreach efforts? How are these target audiences selected? What are the target audiences?						
C2	What land use groups (i.e., industry, commercial businesses) has the permittee targeted?						
C3	Have certain ethnic groups or nationalities been identified as audiences to be targeted based on an evaluation of local demographics?						
C4	Have the target groups been reevaluated based on evaluation of the strategy and progress that has been made?						
C5	For Phase I permittees: have they targeted pesticide, herbicide, and fertilizer applicators (including homeowners) and construction site operators for outreach?						
C6	For Phase II permittees: have they targeted industries or commercial businesses of concern for outreach?						
D	**Message Packaging**						
D1	Does the permittee have a variety of written educational materials?						
D2	Does the permittee have a variety of other packages (i.e., Web site, presentations, displays) for educational materials?						
D3	Did the permittee produce the education and outreach materials in the different languages that are spoken in the community?						
D4	Do the permittee's materials explain stormwater issues in easy-to-understand terms?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
E	**Distribution Mechanisms**						
E1	Does the permittee track distribution of materials to measure effectiveness?						
E2	Is the permittee focused solely on distribution or is an effort made to evaluate the impact of the messages?						
E3	Does the permittee use a variety of distribution mechanisms to target various audiences?						
F	**Evaluation Methods**						
F1	How does the permittee evaluate the effectiveness of the outreach strategy?						
F2	Has the permittee conducted a public awareness survey?						
F3	Which outreach materials have been the most effective in soliciting public involvement and participation? Changing audience behaviors? Increasing general stormwater awareness?						
F4	Have any changes been made to the outreach strategy or materials based on an evaluation of effectiveness?						
G	**Public Participation Activities**						
G1	What opportunities does the permittee give to the public to review and comment on any changes to the SWMP, such as public comment via a Web site, a public meeting, or a stormwater advisory group?						
G2	What volunteer opportunities (i.e., stream cleanups, storm drain stenciling) does the permittee coordinate or publicize to encourage the public to participate in stormwater-related activities?						
G3	Does the permittee sponsor or promote any of the following activities?						
G3a	Beach/stream/lake cleanups						
G3b	Volunteer stream monitoring						
G3c	Stream clean-ups or equivalent activities						
G3d	Stormwater citizen panel						
H	**Consent Decree Questions**						
H1a	Have activities been identified that may be outmoded, ineffective, insufficient, or excessively burdensome?						
H1b	What are recommendations to modify, streamline, or expand such activities in accordance with what has been learned?						
H2a	Have deficiencies or potential violations been identified?						
H2b	What are recommendations for correcting these deficiencies or potential violations?						
H3	Have best practices and opportunities for information/technology transfer to be applied across all Divisions been identified? If so, describe.						
H4	Can identified best practices be universally implemented across all three Divisions? Why or why not?						
H5	If best practices cannot be universally implemented, what are the identified impediments?						

B4: PEAR #4 – Illicit Discharge Detection and Elimination (IDDE) Program Element and Industrial Commercial Activities/Tenant (I/C) Program

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
A	**Legal Authority (IDDE)**						
A1	Does the permittee have laws/rules/regulations/policies to prohibit illicit discharges and dumping to the MS4?						
A2	What exclusions are included in laws/rules/regulations/policies?						
A3	What enforcement mechanisms are authorized in the event of an illicit discharge being detected?						
A4	Has an enforcement escalation plan been developed?						
B	**Mapping (IDDE)**						
B1	Does the permittee have a map showing storm drain pipes, outfalls, and storm drain inlets?						
B2	Is the map readily available to the personnel who would respond to an illicit discharge incident?						
B3	Does the permittee have a map of the storm drain system showing the locations of outfalls and municipally maintained structural stormwater controls?						
C	**Field Screening (IDDE)**						
C1	How are field screening areas identified?						
C2	Are areas of the MS4 prioritized based on incidents of illicit discharges, land use, dumping reports, etc.?						
C3	How often are field screening areas evaluated?						
C4	Are outfalls inspected during dry weather to identify any potential dry-weather discharges? What does the inspection include?						
C5	If dry-weather flows are present, are they being sampled to determine potential sources of pollutants? For what parameters?						
C6	Does the permittee have a database (or other method) to track locations of illicit discharges, spills, and illegal dumping?						
C7	Does the database track dry-weather monitoring or screening data?						
D	**Investigation of Potential Illicit Discharges (IDDE)**						
D1	Does the permittee have a procedure for tracing the source of an active illicit discharge?						
D2	Who performs the investigations?						
D3	Are these procedures written in a document or plan?						
D4	What equipment does the permittee use to find illicit discharges?						
D5	Does the permittee have equipment to videotape storm drains, or can it quickly contract out this work?						
D6	How are investigations tracked?						
D7	Has an enforcement response plan been adopted for use when an illicit discharge source has been located?						
E	**Spill Response and Prevention (IDDE)**						
E1	Does the permittee have a clear set of procedures in place that details who is responsible for responding to spills and emergency situations?						
E2	Do field staff have spill containment supplies in their vehicles, and are they trained to contain minor spills?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
E3	Is a contractor or other entity available for larger spills?						
E4	Does the permittee have the ability to collect cleanup and abatement costs from the responsible party?						
E5	How are spills and spill response tracked to ensure adequate reporting?						
F	**Public Awareness and Reporting Program (IDDE)**						
F1	Does the permittee prioritize subwatersheds or neighborhoods and assign resources for educational efforts based on frequency and types of illicit discharge incidents?						
F2	Is there a general phone number or “hotline” in the phone book or Web site that people can call to report a spill or dumping?						
F3	What types of public outreach materials are available to publicize public reporting?						
F4	Does the permittee track the number of public calls or complaints reporting illicit discharges?						
G	**Preventing Sanitary Sewer Discharges (IDDE)**						
G1	Has the permittee conducted any studies or evaluations to determine whether sanitary sewers are contributing pollutants to the MS4?						
G2	What is the extent of infiltration and inflow into the sanitary sewer system? How is this impacting discharge from the MS4?						
G3	If the permittee also operates a sanitary sewer system, do they have procedures to prevent sewage spills and SSOs to the MS4?						
H	**Education and Training (IDDE)**						
H1	What type of training do field staff (e.g., storm sewer maintenance crews, street sweepers) receive on spill response and IDDE?						
H2	Are staff generally educated about what illicit discharges are and how to report them?						
I	**Legal Authority (I/C)**						
I1	Does the Phase I permittee have the authority to require industrial and commercial facilities to implement stormwater BMPs?						
I2	Does the Phase I permittee have the authority to conduct inspections and enforce requirements?						
I3	What laws/rules/regulations/policies provide this legal authority?						
I4	What types of facilities are covered under this legal authority?						
I5	Who (e.g., specific staff, Division/District, etc.) has the authority to enforce the laws/rules/regulations/policies and/or inspect the facilities?						
I6	What exemptions do the laws/rules/regulations/policies or other legal authority allow?						
J	**Facility Inventory (I/C)**						
J1	Has the permittee completed an inventory of industrial/commercial facilities discharging to the stormwater system?						
J2	What types of facilities are included on the inventory?						
J3	What sources were used to create the inventory?						
J3A	Facilities that filed NOIs for EPA MSGP or state industrial general permit coverage?						
J3B	Significant industrial users within the pretreatment program?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
J3C	Business licenses?						
J3D	Phone book?						
J3E	"Windshield" survey?						
J4	Does the inventory include all the industrial/commercial facilities subject to the industrial general permit?						
J5	Does the permittee periodically check to see if new facilities that must be covered by an industrial stormwater general permit have filed an NOI?						
J6	What is the process for notifying the permitting authority of non-filers?						
J7	If applicable, does the inventory include all the facilities specified as required in the MS4 NPDES permit?						
J8	How is the inventory updated? How often?						
J9	What information is maintained about the facilities?						
J10	How is the inventory maintained and stored?						
J11	Does the permittee prioritize the facilities?						
J12	Is the prioritization based on facility type, past inspection or enforcement results, proximity to receiving waters, potential pollutant sources on-site, and so forth?						
J13	Is the prioritization used to determine frequency of inspections?						
J14	Has the permittee mapped the locations of prioritized facilities to cross-reference reports of dumping, illicit discharges, or other water quality issues?						
K	**Standards, BMPs and Outreach (I/C)**						
K1	Has the permittee adopted standards or BMPs that industrial/commercial facilities are required to implement (e.g., all car dealerships must install a wash rack plumbed to the sanitary sewer)?						
K2	Are the requirements for new developments only or are they triggered by improvements of existing facilities? Are there schedules for implementing retrofits?						
K3	Are these standards applicable to existing facilities, new facilities, or both?						
K4	Does the permittee refer facility operators to specific stormwater BMP or standards guidance documents?						
K5	What type of educational program has been developed for industrial and commercial facility operators?						
K6	What type of brochures, handouts, or guidance on BMPs is provided to these facilities by the permittee?						
K7	When is this information provided? During inspections? During training events? During professional organization presentations?						
L	**Staff Training (I/C)**						
L1	What type of training do the industrial and commercial inspectors receive?						
L2	How often?						
L3	If additional inspectors are used (e.g., food safety inspectors for restaurant inspections, pretreatment inspectors), are they trained specifically on stormwater BMPs and requirements? By whom?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
M	**Inspections (I/C)**						
M1	Who performs inspections and for what types of facilities (e.g., health inspectors for restaurants, pretreatment inspectors for industrial facilities with a pretreatment permit)						
M2	How often are industrial and commercial facilities inspected? How is the frequency determined?						
M3	Does the permittee's industrial/commercial inspector(s) use a standard checklist during inspections?						
M4	Is a report written after the inspection? How is the inspection documented in the file?						
M5	Does the permittee verify NPDES permit coverage for facilities?						
M6	For industrial facilities, does the inspector review the SWPPP and monitoring data during the inspection?						
M7	Does the permittee refer non-filers to the permitting authority?						
M8	Do inspectors provide educational materials during inspections? What types?						
M9	If multiple Divisions/Districts perform inspections, how is information transferred or cataloged?						
N	**Program Support and Resources (I/C)**						
N1	Does the program have a dedicated source of funding to support inspectors?						
O	**Enforcement (I/C)**						
O1	In instances of noncompliance, do the inspection staff use a formalized, approved enforcement escalation procedure?						
O2	How was the enforcement escalation procedure developed? Is it used? Is it effective?						
O3	Who is authorized to apply various enforcement procedures (e.g., NOVs, fines)?						
O4	What types of penalties are readily available to the inspection staff?						
O5	What is the most common method of gaining compliance (e.g., NOVs, fines, abatement)?						
O6	Can the permittee describe a recent non-compliance issue at an industrial/commercial facility? If so, how was compliance achieved?						
O7	At what point are non-compliance cases referred to the NPDES permitting authority? How many have been referred in the last 12 months?						
P	**Consent Decree Questions**						
P1a	Have activities been identified that may be outmoded, ineffective, insufficient, or excessively burdensome?						
P1b	What are recommendations to modify, streamline, or expand such activities in accordance with what has been learned?						
P2a	Have deficiencies or potential violations been identified?						
P2b	What are recommendations for correcting these deficiencies or potential violations?						
P3	Have best practices and opportunities for information/technology transfer to be applied across all Divisions been identified? If so, describe.						
P4	Can identified best practices be universally implemented across all three Divisions? Why or why not?						
P5	If best practices cannot be universally implemented, what are the identified impediments?						

B5: PEAR #5 – Pollution Prevention / Good Housekeeping Program

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
A	**Infrastructure Mapping and Characterization**						
A1	Does the permittee have a map showing all inlets, outfalls, storm drain conduits, stormwater management facilities, and receiving water bodies?						
A2	Does this map include catch basins and structural stormwater controls?						
A3	Is the map readily available and used by maintenance field staff when performing maintenance activities?						
A4	Is the map in hard copy format only or is it also in a geographic information system (GIS)?						
A5	Are infrastructure assets or components named or numbered to better track necessary maintenance and repairs?						
A6	Is information regarding stormwater infrastructure maintained in a database or mapping system? What types of data are maintained?						
A6a	Type of structure or asset						
A6b	Location (address, latitude/longitude)						
A6c	Photo						
A6d	Date built						
A6e	Date last inspected						
A6f	Date last cleaned/maintained						
B	**Catch Basin Cleaning**						
B1	Does the permittee have a schedule for routine maintenance or cleaning of catch basins?						
B1a	How many are cleaned and how often?						
B1b	Has the permittee targeted certain areas for more frequent maintenance?						
B1c	Does the permittee set goals for how many basins are inspected and cleaned each year?						
B1d	How does the permittee track and record cleaning and maintenance needs?						
B1e	What information is documented? Does the permittee track which catch basins are cleaned, how much material is removed, and so forth?						
B1f	How does the permittee use the data collected to further its program or evaluate program effectiveness? Are the data used to help prioritize cleaning frequency? Are they used to identify areas for targeted outreach?						
B2	What are the permittee's procedures for disposing of waste removed from catch basins or storm drains?						
B2a	Does the permittee flush material that could potentially discharge to surface water?						
B2b	If the material is removed using a wet vacuum, how is the material dewatered? How is the decanted water disposed?						
B3	Does the permittee have a schedule for routine maintenance or inspection of storm drain pipes?						
B4	What are the permittee's maintenance procedures for cleaning clogged storm drain pipes?						
C	**Stormwater Management Structures**						
C1	Are catch basins and other inlet structures marked so that the public knows they drain to surface waters?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
C2	Has the permittee inventoried the type and location of public stormwater management structures in its jurisdiction? How are the data collected and stored?						
C2a	Pump stations						
C2b	Drainage structures (debris basins, detention basins, regional ponds, etc.)						
C2c	Structural treatment controls						
C2d	Open channels						
C3	How is vegetation maintained in grassed swales, rain gardens, pond perimeters, and other vegetated stormwater controls?						
C4	Has the permittee mapped private stormwater management structures?						
C5	How often are these facilities inspected?						
C6	Are the stormwater management structures regularly maintained by the permittee?						
C6a	Are records kept of material and debris removed during maintenance?						
C6b	How is maintenance conducted? Are chemicals used to maintain vegetation and pests?						
C7	How does the permittee use the data collected to further its program or evaluate program effectiveness? Are the data used to help prioritize cleaning frequency? Are they used to identify areas for targeted outreach based on type and volume of materials removed?						
D	**Street Sweeping**						
D1	Does the permittee regularly sweep streets? Public parking lots?						
D2	What is the schedule for street sweeping?						
D3	Are areas scheduled for sweeping based on aesthetics only or is consideration given for reducing impacts on the stormwater management infrastructure and surface water?						
D4	What types of sweepers are used? Wet or dry?						
D5	How is street-sweeping debris disposed? If the debris is dewatered, how is this done? How is the decanted water disposed?						
D6	Are records kept of the amount of debris collected?						
D7	How does the permittee use the data collected to further its program or evaluate program effectiveness? Are the data used to help prioritize cleaning frequency?						
E	**Public Streets, Roads and Highway Maintenance**						
E1	What types of public streets, roads, and highways operation and maintenance practices and procedures are performed by the permittee?						
E2	Are BMPs used by field crews to minimize stormwater impacts during road maintenance or repair activities?						
E3	What types of BMPs are used? Discuss BMPs used for such activities as:						
E3a	Ditch cleaning						
E3b	Sidewalk repair						
E3c	Asphalt patching						
E3d	Curb and gutter repair						
E3e	Street striping						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
E3f	Sign painting						
E3g	Maintaining dirt and gravel roads (preventing erosion, dust control)						
F	**Facility Inventory**						
F1	Does the permittee have an inventory of public facilities? At a minimum, this list should include the following, as applicable:						
F1a	Public works yards						
F1b	Public transit facilities						
F1c	Wastewater and domestic water treatment plants						
F1d	Sanitary sewer system overflow locations						
F1e	Public parks/open areas						
F1f	Public parking lots						
F1g	Public buildings						
F1h	Landfills and hazardous waste disposal sites, transfer locations, or storage facilities						
F2	Have the facilities been inspected and assessed for water quality impacts?						
F3	Are any facilities required to apply for coverage under a general industrial permit? Do these facilities have SWPPPs?						
G	**Chemical and Hazardous Material Use and Disposal**						
G1	What types of chemicals or hazardous materials are used by the permittee?						
G2	Where are these materials stored?						
G3	Has the permittee implemented an alternative materials program to reduce the use of hazardous materials?						
G4	Has the permittee implemented an inventory reduction program to reduce the quantity of chemicals and hazardous materials stored and used?						
G5	Does the permittee have a household hazardous waste collection center for the public?						
G5a	Are records of the quantity of materials collected maintained by type of material?						
G5b	How does the permittee notify the public of these sites?						
G6	Does the permittee have special household hazardous waste collection days?						
G7	How does the permittee use the data collected to further its program or evaluate program effectiveness? Are the data used to help prioritize maintenance frequency? Are they used to identify areas of targeted outreach?						
H	**Pesticide, Herbicide and Fertilizer Application and Management**						
H1	What kind of program has been established to address pollutants associated with the application of pesticides, herbicides, and fertilizer at public facilities?						
H2	Are the permittee's fertilizer/pesticide applicators certified? Are permits or other certifications required?						
H3	Where are the chemicals stored? Are appropriate procedures and secondary containment followed?						
H4	Is there a pesticide/fertilizer application plan?						
H5	Does the permittee practice integrated pest management (IPM) or use alternatives to pesticides?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
H6	How does the permittee implement alternative landscaping to minimize the use of fertilizers and pesticides?						
H7	What types of educational activities does the permittee conduct for applicators?						
H8	What types of BMPs are used during application of pesticides in public rights-of-way?						
H9	What types of BMPs are used during application of pesticides at municipal facilities such as parks?						
I	**Municipal Staff**						
I1	Have standard operating procedures or their equivalent been developed to ensure that municipal field staff integrate stormwater quality BMPs into their daily activities?						
I2	Have BMPs or standards been officially adopted by the permittee for use by municipal field staff?						
I3	What reference materials or guidance documents are provided to field staff regarding BMP specifications and details?						
I4	How does the permittee ensure that staff are fulfilling their responsibilities as outlined in standard operating procedures? Do managers provide oversight on a regular basis?						
J	**Contracted Services Staff**						
J1	Does the permittee require contractors to incorporate stormwater quality BMPs into their activities?						
J2	How are BMPs required? Are the requirements outlined in requests for proposals? Are they included in contracts?						
J3	Have BMPs or standards been officially adopted by the permittee for use by contractual staff?						
J4	What reference materials or guidance documents are provided to contractual staff regarding BMP specifications and details?						
J5	How does the permittee ensure that contractors are fulfilling their responsibilities as outlined in their contracts? Are inspections performed? Are periodic reports submitted?						
K	**Training and Education**						
K1	What type of general stormwater training is provided to staff that are not involved in field activities? How often?						
K2	How are new employees trained?						
K3	What types of activity-specific training is provided to field staff? Is information on specific BMPs provided?						
K4	Is any training provided to contract staff?						
L	**Consent Decree Questions**						
L1a	Have activities been identified that may be outmoded, ineffective, insufficient, or excessively burdensome?						
L1b	What are recommendations to modify, streamline, or expand such activities in accordance with what has been learned?						
L2a	Have deficiencies or potential violations been identified?						
L2b	What are recommendations for correcting these deficiencies or potential violations?						
L3	Have best practices and opportunities for information/technology transfer to be applied across all Divisions been identified? If so, describe.						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
L4	Can identified best practices be universally implemented across all three Divisions? Why or why not?						
L5	If best practices cannot be universally implemented, what are the identified impediments?						

B6: PEAR #6 – Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
A	**SWMP Planning Documents**						
A1	Has a SWMP Plan been developed? If so, when? Last revised?						
A2	Is there a schedule for revision of the SWMP plan?						
A3	Is there an additional MS4-wide document, plan, or program? Who developed it?						
A4	How were internal and external stakeholders included in the development or revision of the SWMP plan?						
B	**Staff Inventory and Organization**						
B1	Does the permittee have a person designated to lead and coordinate the stormwater program and activities?						
B2	Does the SWMP planning document include an organization chart listing responsible parties for each SWMP component?						
C	**Performance Standards or Goals**						
C1	Has the permittee established measurable goals or performance standards for program components?						
C2	If performance standards have been established, are they measurable or are they essentially BMP recommendations with level of service (i.e., number of miles swept) requirements?						
C3	Does the permittee attempt to quantify or assess a program or a BMP's water quality impact or effectiveness as opposed to merely tracking level of service?						
D	**Prioritization of Resources**						
D1	Has the permittee identified specific pollutants of concern for its local water bodies?						
D2	Are these pollutants of concern consistent with priorities identified in the 303(d)-listed impairments for local water bodies?						
D3	Are these pollutants of concern consistent with any water quality monitoring data or studies conducted by the permittee or another agency?						
D4	Has the permittee developed strategies to specifically address those pollutants?						
D5	How does the permittee decide on program priorities? Are these reassessed periodically?						
D6	Does the SWMP include a schedule of activities?						
D7	Does the MS4 discharge to a water body on the state's list of impaired waters?						
D7a	What pollutants are identified on the list?						
D7b	Has stormwater been identified as a source?						
D7c	Does the SWMP specifically address this pollutant?						
D7d	Does the SWMP identify BMPs specifically for sources or discharges to the listed water body						
D8	Has a TMDL been developed for a water body to which the MS4 discharges and for which stormwater has been identified as a pollutant source?						
D8a	What pollutants are addressed in the TMDL?						
D8b	Does the TMDL specifically address (or include wasteload allocations for) stormwater?						
D8c	Has the corrective action plan or other planning to address TMDLs been reviewed for integration with the SWMP?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
D8d	Does the permittee's stormwater program address the pollutants of concern identified in the TMDL?						
D9	Is the permittee participating in any watershed planning efforts?						
D10	Have any goals been developed based on watershed issues, strategies, or challenges?						
D11	Has the permittee established a set of indicators or parameters to assess progress toward meeting the goal(s) of the watershed plan?						
D12	Is the permittee's stormwater program implemented on a watershed basis?						
E	**Assessment and Evaluation of Programs**						
E1	Does the permittee regularly measure progress against the established performance standards and goals?						
E2	Are the goals quantifiable?						
E3	Is the permittee analyzing data in the annual report to identify program activities that may need to change to address problem areas?						
E4	Has the SWMP been altered based on this evaluation?						
F	**Assessment and Evaluation of BMPs**						
F1	Is the permittee able to track both structural BMPs and non-structural BMPs and activities?						
F2	Has the permittee set measurable goals or performance standards to evaluate individual BMPs and activities or suites of BMPs that address a particular pollutant source?						
F3	Is there a process to evaluate or revise individual BMPs and suites of BMPs when receiving water outcomes or endpoints are not being met?						
F4	Do assessments evaluate impacts of BMPs on ground water?						
F5	Is the permittee analyzing data in the annual report to identify individual BMPs or suites of BMPs that may need to change to address problem areas?						
G	**Assessment and Evaluation of Water Quality**						
G1	Has the permittee documented environmental, water quality, stream corridor, habitat, or other types of improvements?						
G2	Has the permittee estimated reductions in pollutant loadings from the MS4 or other quantifiable water quality benefits expected as the result of the municipal stormwater program?						
H	**Dry & Wet Weather Outfall Screening and Monitoring (If Applicable)**						
H1	Does the permittee conduct dry or wet weather screening at outfalls to characterize stormwater flows from the MS4?						
H2	Does the permittee have written screening procedures?						
H3	What is the permittee's schedule for screening the sites?						
H4	Are parts of the permit area prioritized for screening based on incidents of illicit discharges, land use, dumping reports, etc.?						
H5	What parameters are being tested?						
H6	How does the permittee prioritize sites for follow-up (e.g., magnitude and nature of suspected discharge)?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
H7	Who conducts the sampling? What kind of training have sampling personnel received?						
H8	What type of records are kept?						
H8a	Analytical results						
H8b	Date and duration (in hours) of the storm events sampled (rainfall data)						
H8c	Rainfall measurements or estimates (in inches) of the storm event which generated the sampled runoff (rainfall data)						
H8d	Duration (in hours) of the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event (rainfall data)						
H8e	Estimate of the total flow of the discharge sampled (stage and velocity)						
H9	What analytical methods are used (i.e., 40 CFR Part 136)?						
H10	What are the results of the initial sampling and analysis?						
H11	Has the permittee made any changes to the monitoring program based on past results and experience?						
H12	How have monitoring results been used to assess program components?						
H13	Are monitoring data used to estimate pollutant loads for a TMDL?						
I	**Biological Monitoring (If Applicable)**						
I1	Does the permittee perform biological sampling?						
I2	Has a plan been developed to conduct biological sampling? If so, does the plan include the following:						
I2a	Identification of sampling stations and rationale for selection						
I2b	Location of known major MS4 outfalls discharging to water bodies in which sampling stations were chosen						
I2c	Land use activities near sampling stations						
I2d	Frequency of monitoring						
I3	Who conducts biological sampling and what training have they received?						
I4	Has the permittee made any changes to the monitoring program based on past results and experience?						
I5	How have monitoring results been used to assess program components?						
J	**Ambient Monitoring (If Applicable)**						
J1	Does the permittee conduct ambient monitoring to characterize water quality conditions in receiving waters?						
J2	How were the sampling sites selected?						
J3	Is sampling conducted both during dry weather and wet weather?						
J4	What is the frequency of sampling?						
J5	What parameters are analyzed? What sampling and analytical methods have been used?						
J6	Does the permittee have a written protocol or procedures for this sampling program?						
J7	Who conducts the sampling and what training have they received?						
J8	Has the permittee made any changes to the monitoring program based on past results and experience?						

Question Number	Question	Airports		Harbors		Highways	
		Kahului Airport Small MS4 Permit HI 14KE349	Honolulu International Airport Individual Permit HI S000005	Honolulu Harbor Small MS4 Permit HI 03KB482	Kalaeloa Barbers Point Harbor Small MS4 Permit HI 03KB488	Maui District Small MS4 Permit HI 14KE352	Oahu District Individual Permit HI S000001
J9	How have monitoring results been used to assess program components?						
J10	Are monitoring data used to estimate pollutant loads for a TMDL?						
K	**Data Collection and Reporting**						
K1	What reporting requirements are included in the MS4 NPDES permit?						
K2	For co-permittees or Phase II permittees that rely on other entities to implement required elements of the program, how are data provided or reported?						
K3	How are the required data collected, tracked, and reported?						
K3a	Is there a database?						
K3b	Are there reporting forms?						
K4	Are there internal reporting deadlines within the municipal program structure?						
K5	Are the appropriate data being collected by the permittee to be able to measure effectiveness and determine if performance standards are being met?						
K6	How are data disseminated to those who use them, if at all?						
L	**Consent Decree Questions**						
L1a	Have activities been identified that may be outmoded, ineffective, insufficient, or excessively burdensome?						
L1b	What are recommendations to modify, streamline, or expand such activities in accordance with what has been learned?						
L2a	Have deficiencies or potential violations been identified?						
L2b	What are recommendations for correcting these deficiencies or potential violations?						
L3	Have best practices and opportunities for information/technology transfer to be applied across all Divisions been identified? If so, describe.						
L4	Can identified best practices be universally implemented across all three Divisions? Why or why not?						
L5	If best practices cannot be universally implemented, what are the identified impediments?						

Appendix C

PEAR 1 through 6 Schedule

C1: PEAR #1 – Schedule for Post-Construction / Permanent Best Management Practices

Appendix C1: Schedule for PEAR #1 – Post-Construction / Permanent Best Management Practices

1. Notice of Audit
- Within 7 Days of AWPC
- Within 7 Days of Last Milestone
- By Wednesday 22 March 2017

2. Records Request
- Within 14 Days of AWPC
- Within 7 Days of Last Milestone
- By Wednesday 29 March 2017

3. Fulfillment of Records Request
- Within 43 Days of AWPC
- Within 29 Days of Last Milestone
- By Thursday 27 April 2017

4. Records Review Complete
- Within 57 Days of AWPC
- Within 14 Days of Last Milestone
- By Thursday 11 May 2017

5. Pre-Onsite Evaluation Conference Call
- Within 64 Days of AWPC
- Within 7 Days of Last Milestone
- By Thursday 18 May 2017

6. Completion of Onsite Evaluation
- Within 82 Days of AWPC
- Within 18 Days of Last Milestone
- By Monday 5 June 2017

The table below provides a preliminary schedule for the onsite evaluation week.

Appendix C1: Schedule for PEAR #1 – Post-Construction / Permanent Best Management Practices

Airports		Harbors		Highways	
Kahului Airport **Small MS4 Permit** **HI 4KE349**	**Honolulu International Airport** **Individual Permit** **HI S000005**	**Honolulu Harbor** **Small MS4 Permit** **HI 03KB482**	**Kalaeloa Barbers Point Harbor** **Small MS4 Permit** **HI 03KB488**	**Maui District** **Small MS4 Permit** **HI 14KE352**	**Oahu District** **Individual Permit** **HI S000001**
76 Days After AWPC	77 Days After AWPC	79 Days After AWPC	82 Days After AWPC	76 Days After AWPC	78 Days After AWPC
Tuesday 30 May 2017	Wednesday 31 May 2017	Friday 2 June 2017	Monday 5 June 2017	Tuesday 30 May 2017	Thursday 1 June 2017
8am – 9am Kickoff Meeting [See Note (a)]	**8am – 9am** Kickoff Meeting [See Note (a)]	**8am – 9am** Kickoff Meeting [See Note (a)]	**8am – 9am** Kickoff Meeting [See Note (a)]	**1pm – 2pm** Kickoff Meeting [See Note (a)]	**8am – 9am** Kickoff Meeting [See Note (a)]
9am – 11am Onsite Evaluation [See Note (b)]	**9am – 11am** Onsite Evaluation [See Note (b)]	**9am – 11am** Onsite Evaluation [See Note (b)]	**9am – 11am** Onsite Evaluation [See Note (b)]	**2pm – 4pm** Onsite Evaluation [See Note (b)]	**9am – 11am** Onsite Evaluation [See Note (b)]
BMP 1: OGG CONRAC, location tentative	*BMP 1:* Pervious pavement and bioswale systems, NDWP New Employee Parking Lots at Elliott St.	*BMP 1*: Alaska Marine Lines, Pier 29	*BMP 1:* GLP Asphalt Facility	[BMPs will be inspected only if they are installed by this time] See Records Request. No BMPs to inspect. Meeting only.	*BMP 1:* University Ave. Bioswales, In median of H-1 ramps to University Ave. on makai side of freeway
BMP 2: Wash rack, location tentative	*BMP 2:* Contech CDS 2025 System and FloGuard drop inlet filtration insert, NDWP Diamondhead Site Improvements, GSE Lot fronting Hardstand 3	*BMP 2:* Matson Auto Facility, Pier 32	[Additional BMPs will be inspected only if they are installed by this time] Spencer Yim confirmed via phone on 4-18-17 that no additional BMPs have been installed.		*BMP 2:* Fort Weaver Rd. CDS Units, Fort Weaver Rd., Ewa
[An additional BMP will be inspected only if one is installed by this time]	*BMP 3:* Bioswale system, Kalewa St Storage Lots 1-6, Corner of Lagoon and Kalewa St.	*BMP 3:* HC&D Facility, Pier 60 Replaced with UH Marine Center Pier 35, per 4-18-17 Call with Spencer Yim			*BMP 3:* Luluku Storm Water Treatment System, H-3/Likelike interchange, Kaneohe
11am – 12pm Debrief Meeting [See Note (c)]	**11am – 12pm** Debrief Meeting [See Note (c)]	**11am – 12pm** Debrief Meeting [See Note (c)]	**11am – 12pm** Debrief Meeting [See Note (c)]	**4pm – 5pm** Debrief Meeting [See Note (c)]	**11am – 12pm** Debrief Meeting [See Note (c)]

Notes:
(a) MS4 Permit Coordinators will have the opportunity to present information on their program during the Kickoff Meeting. At least a half hour should be available for MS4 Permit Coordinators (or their designees) to present.

(b) The Audit Team will then verify that up to three (3) structural and source control BMPs approved by each permittee and subject to post-construction requirements were installed and are being maintained properly in the field. Approved plans and inspection records for each BMP will have been reviewed ahead of the onsite evaluation (during the records review period). The BMPs identified in this Appendix are preliminary and are subject to modification.

(c) The Debrief Meeting will be limited to discussing any findings that need clarification and any required communication moving forward.

7. End of Post-Onsite Evaluation Review Period
- Within 90 Days of AWPC
- **Consent Decree Deadline:** Within 90 Days of AWPC
- Within 8 Days of Last Milestone
- By Tuesday 13 June 2017

8. Completion of Draft PEAR & Distribution to MS4 Permit Coordinators
- Within 135 Days of AWPC
- **Consent Decree Deadline:** Within 135 Days of AWPC
- Within 45 Days of Last Milestone
- By Friday 28 July 2017

9. Written Request for Clarification and Corrections
MS4 Permit Coordinators to HDOT PM
- Within 162 Days of AWPC
- Within 27 Days of Last Milestone
- By Thursday 24 August 2017

10. Written Request for Clarification and Corrections
HDOT PM to Audit PM
- Within 163 Days of AWPC[1]
- **Consent Decree Deadline:** Within 165 Days of AWPC
- Within 1 Days of Last Milestone
- By Friday 25 August 2017

11. Completion of Final PEAR
- Within 183 Days of AWPC[2]
- **Consent Decree Deadline:** 210 Days of AWPC
- Within 20 Days of Last Milestone
- By Thursday 14 September 2017

[1] This deadline is 2 days ahead of the CD Deadline as the CD Deadline falls on a Sunday.
[2] The main Audit Work Plan Section 5.3.3 provides an explanation of why this document is submitted ahead of the CD deadline.

C2: PEAR #2 – Schedule for Construction Site Runoff Control

1. Notice of Audit
- Within 190 Days of AWPC
- Within 7 Days of Last Milestone
- By Thursday 21 September 2017

2. Records Request
- Within 197 Days of AWPC
- Within 7 Days of Last Milestone
- By Thursday 28 September 2017

3. Fulfillment of Records Request
- Within 226 Days of AWPC
- Within 29 Days of Last Milestone
- By Friday 27 October 2017

4. Records Review Complete
- Within 239 Days of AWPC
- Within 13 Days of Last Milestone
- By Thursday 9 November 2017

5. Pre-Onsite Evaluation Conference Call
- Within 246 Days of AWPC
- Within 7 Days of Last Milestone
- By Thursday 16 November 2017

6. Completion of Onsite Evaluation
- Within 261 Days of AWPC
- Within 15 Days of Last Milestone
- By Friday 1 December 2017

The table below provides a preliminary schedule for the onsite evaluation week.

Appendix C2: Schedule for PEAR #2 - Construction Site Runoff Control

Airports		Harbors		Highways	
Kahului Airport **Small MS4 Permit** **HI 4KE349**	**Honolulu International Airport** **Individual Permit** **HI S000005**	**Honolulu Harbor** **Small MS4 Permit** **HI 03KB482**	**Kalaeloa Barbers Point Harbor** **Small MS4 Permit** **HI 03KB488**	**Maui District** **Small MS4 Permit** **HI 14KE352**	**Oahu District** **Individual Permit** **HI S000001**
257 Days After AWPC Monday 27 November 2017 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] *Construction Site #1:* OGG Consolidated Rent A Car Facility, Kahului Airport, Near Hemaloa St and Keolani Pl. *Construction Site #2:* OGG Vehicle Washrack Installation, AOA side, Near Cargo Building and Triturator **11am – 12pm** Debrief Meeting [See Note (c)]	258 Days After AWPC Tuesday 28 November 2017 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] *Construction Site #1:* HNL Consolidated Rent A Car Facility, Rent-A-Car Lots, Corner of Aolele, Rodgers, Paiea St. *Construction Site #2:* HNL NDWP IIT Mauka Extension, Mauka Interisland Terminal, Existing Commuter Air Terminal **11am – 12pm** Debrief Meeting [See Note (c)]	260 Days After AWPC Thursday 30 November 2017 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] *Construction Site #1:* New Kapalama Container Yard, Kapalama, Honolulu Harbor *Construction Site #2:* Piers 24-29 Utilities **11am – 12pm** Debrief Meeting [See Note (c)]	261 Days After AWPC Friday 1 December 2017 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] [Unable to forecast construction projects; will be re-contacted by Kennedy/Jenks Consultants closer to the date] **11am – 12pm** Debrief Meeting [See Note (c)]	257 Days After AWPC Monday 27 November 2017 **1pm – 2pm** Kickoff Meeting [See Note (a)] **2pm – 4pm** Onsite Evaluation [See Note (b)] *Construction Site #1:* Kuihelani Highway Resurfacing [An additional construction site will be inspected only if one is active at this time] **4pm – 5pm** Debrief Meeting [See Note (c)]	259 Days After AWPC Wednesday 29 November 2017 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] [Unable to forecast construction projects; will be re-contacted by Kennedy/Jenks Consultants closer to the date] **11am – 12pm** Debrief Meeting [See Note (c)]

Notes:
(a) MS4 Permit Coordinators will have the opportunity to present information on their program during the Kickoff Meeting. At least a half hour should be available for MS4 Permit Coordinators (or their designees) to present.

(b) The Audit Team will then accompany construction inspectors as they conduct up to two (2) inspections. The purpose of the field evaluation is to assess the permittee's construction inspection program—how knowledgeable the inspectors are about stormwater requirements and BMPs, how thorough of an inspection they conduct, and how they handle problems identified at construction sites. The construction sites identified in this Appendix are preliminary and are subject to modification.

(c) The Debrief Meeting will be limited to discussing any findings that need clarification and any required communication moving forward.

7. End of Post-Onsite Evaluation Review Period
- Within 268 Days of AWPC[1]
- **Consent Decree Deadline:** Within 270 Days of AWPC
- Within 7 Days of Last Milestone
- By Friday 8 December 2017

8. Completion of Draft PEAR & Distribution to MS4 Permit Coordinators
- Within 313 Days of AWPC[2]
- **Consent Decree Deadline:** Within 315 Days of AWPC
- Within 45 Days of Last Milestone
- By Monday 22 January 2018

9. Written Request for Clarification and Corrections
MS4 Permit Coordinators to HDOT PM
- Within 338 Days of AWPC
- Within 25 Days of Last Milestone
- By Friday 16 February 2018

10. Written Request for Clarification and Corrections
HDOT PM to Audit PM
- Within 342 Days of AWPC[2]
- **Consent Decree Deadline:** Within 345 Days of AWPC
- Within 4 Days of Last Milestone
- By Tuesday 20 February 2018

11. Completion of Final PEAR
- Within 362 Days of AWPC[3]
- **Consent Decree Deadline:** 390 Days of AWPC
- Within 20 Days of Last Milestone
- By Monday 12 March 2018

[1] This deadline is 2 days ahead of the CD Deadline as the CD Deadline falls on a Sunday.
[2] The deadline is ahead of the CD Deadline due to the required shift in the #7 deadline.
[3] The main Audit Work Plan Section 5.3.3 provides an explanation of why this document is submitted ahead of the CD deadline.

C3: PEAR #3 – Schedule for Public Outreach / Public Involvement

Appendix C3: Schedule for PEAR #3 - Public Outreach / Public Involvement Program

1. Notice of Audit

- Within 369 Days of AWPC
- Within 7 Days of Last Milestone
- By Monday 19 March 2018

2. Records Request

- Within 377 Days of AWPC
- Within 8 Days of Last Milestone
- By Tuesday 27 March 2018

3. Fulfillment of Records Request

- Within 420 Days of AWPC
- Within 43 Days of Last Milestone
- By Wednesday 9 May 2018

4. Records Review Complete

- Within 450 Days of AWPC
- **Consent Decree Deadline:** Within 450 Days of AWPC
- Within 30 Days of Last Milestone
- By Friday 8 June 2018

For this Program Element, the end of the records review period represents the completion of evaluation. No onsite evaluation will occur for this program element. It is expected that several conference calls between the Audit Team, HDOT PM, and MS4 Permit Coordinators may be conducted during the records review period. If requested by the Audit Team or MS4 Permit Coordinator, an in-person meeting may be scheduled during this period.

Airports		Harbors		Highways	
Kahului Airport **Small MS4 Permit** **HI 4KE349**	**Honolulu International Airport** **Individual Permit** **HI S000005**	**Honolulu Harbor** **Small MS4 Permit** **HI 03KB482**	**Kalaeloa Barbers Point Harbor** **Small MS4 Permit** **HI 03KB488**	**Maui District** **Small MS4 Permit** **HI 14KE352**	**Oahu District** **Individual Permit** **HI S000001**
Between 19 March 2018 and 8 June 2018, conference calls and in-person meetings will be scheduled as needed.	Between 19 March 2018 and 8 June 2018, conference calls and in-person meetings will be scheduled as needed.	Between 19 March 2018 and 8 June 2018, conference calls and in-person meetings will be scheduled as needed.	Between 19 March 2018 and 8 June 2018, conference calls and in-person meetings will be scheduled as needed.	Between 19 March 2018 and 8 June 2018, conference calls and in-person meetings will be scheduled as needed.	Between 19 March 2018 and 8 June 2018, conference calls and in-person meetings will be scheduled as needed.

5. – 7. Not Applicable (See #4)

8. Completion of Draft PEAR & Distribution to MS4 Permit Coordinators

- Within 495 Days of AWPC
- **Consent Decree Deadline:** Within 495 Days of AWPC
- Within 45 Days of Last Milestone
- By Monday 23 July 2018

9. Written Request for Clarification and Corrections
MS4 Permit Coordinators to HDOT PM

- Within 523 Days of AWPC
- Within 28 Days of Last Milestone
- By Monday 20 August 2018

10. Written Request for Clarification and Corrections
HDOT PM to Audit PM

- Within 525 Days of AWPC
- **Consent Decree Deadline:** Within 525 Days of AWPC
- Within 2 Days of Last Milestone
- By Wednesday 22 August 2018

11. Completion of Final PEAR

- Within 545 Days of AWPC[1]
- **Consent Decree Deadline:** 570 Days of AWPC
- Within 20 Days of Last Milestone
- By Tuesday 11 September 2018

[1] The main Audit Work Plan Section 5.3.3 provides an explanation of why this document is submitted ahead of the CD deadline.

C4: PEAR #4 – Schedule for Illicit Discharge Detection and Elimination (IDDE) Program Element and Industrial Commercial Activities/Tenant (I/C) Program

Appendix C4: Schedule for PEAR #4 - Illicit Discharge Detection and Elimination Program Element and Industrial Commercial Activities/Tenant Program

1. Notice of Audit
- Within 552 Days of AWPC
- Within 7 Days of Last Milestone
- By Tuesday 18 September 2018

2. Records Request
- Within 559 Days of AWPC
- Within 7 Days of Last Milestone
- By Tuesday 25 September 2018

3. Fulfillment of Records Request
- Within 583 Days of AWPC
- Within 24 Days of Last Milestone
- By Friday 19 October 2018

4. Records Review Complete
- Within 597 Days of AWPC
- Within 14 Days of Last Milestone
- By Friday 2 November 2018

5. Pre-Onsite Evaluation Conference Call
- Within 604 Days of AWPC
- Within 7 Days of Last Milestone
- By Friday 9 November 2018

6. Completion of Onsite Evaluation
- Within 623 Days of AWPC
- Within 19 Days of Last Milestone
- By Wednesday 28 November 2018

The table below provides a preliminary schedule for the onsite evaluation period.

Appendix C4: Schedule for PEAR #4 - Illicit Discharge Detection and Elimination Program Element and Industrial Commercial Activities/Tenant Program

Airports		Harbors		Highways	
Kahului Airport **Small MS4 Permit** **HI 4KE349**	**Honolulu International Airport** **Individual Permit** **HI S000005**	**Honolulu Harbor** **Small MS4 Permit** **HI 03KB482**	**Kalaeloa Barbers Point Harbor** **Small MS4 Permit** **HI 03KB488**	**Maui District** **Small MS4 Permit** **HI 14KE352**	**Oahu District** **Individual Permit** **HI S000001**
614 Days After AWPC	616 Days After AWPC	621 Days After AWPC	622 Days After AWPC	615 Days After AWPC	623 Days After AWPC
Monday 19 November 2018	Wednesday 21 November 2018	Monday 26 November 2018	Tuesday 27 November 2018	Tuesday 20 November 2018	Wednesday 28 November 2018
8am – 9am IDDE Kickoff Meeting [See Note (a)]	**8am – 9am** IDDE Kickoff Meeting [See Note (a)]	**8am – 9am** IDDE Kickoff Meeting [See Note (a)]	**8am – 9am** IDDE Kickoff Meeting [See Note (a)]	**8am – 9am** IDDE Kickoff Meeting [See Note (a)]	**8am – 9am** IDDE Kickoff Meeting [See Note (a)]
9am – 11am IDDE Onsite Evaluation [See Note (b)]	**9am – 11am** IDDE Onsite Evaluation [See Note (b)]	**9am – 11am** IDDE Onsite Evaluation [See Note (b)]	**9am – 11am** IDDE Onsite Evaluation [See Note (b)]	**9am – 11am** IDDE Onsite Evaluation [See Note (b)]	**9am – 11am** IDDE Onsite Evaluation [See Note (b)]
Outfall #1: Near baseyard, Keolani Place	*Outfall #1:* Near Iolana Place, Off Lagoon Drive	*Outfall #1:* SDDH035050, Pier 38	*Outfall #1:* SDDBP043660, Pier P-4	*Outfall #1:* Outlet No. 1	*Outfall #1:* PID 304162 Jarrett White Rd., north of Mahiole St.,
Outfall #2: Sampling #G, Basin G	*Outfall #2:* Aolewa Place, Near Access A	*Outfall #2:* SDDH0517960, Pier 51	[Outfall #1 is the only accessible outfall at this harbor, due to safety concerns]	*Outfall #2:* DP3	*Outfall #2:* PID 301831, Kaahele St., north of Moanalua Rd.
11am – 12pm IDDE Debrief Meeting [See Note (d)]	**11am – 12pm** IDDE Debrief Meeting [See Note (d)]	**11am – 12pm** IDDE Debrief Meeting [See Note (d)]	**11am – 12pm** IDDE Debrief Meeting [See Note (d)]	**11am – 12pm** IDDE Debrief Meeting [See Note (d)]	**11am – 12pm** IDDE Debrief Meeting [See Note (d)]
12pm – 1pm LUNCH	**12pm – 1pm** LUNCH	**12pm – 1pm** LUNCH	**12pm – 1pm** LUNCH	**12pm – 1pm** LUNCH	**12pm – 1pm** LUNCH
1pm – 2pm I/C Kickoff Meeting [See Note (a)]	**1pm – 2pm** I/C Kickoff Meeting [See Note (a)]	**1pm – 2pm** I/C Kickoff Meeting [See Note (a)]	**1pm – 2pm** I/C Kickoff Meeting [See Note (a)]	[I/C Program not evaluated, as Maui Highways does not have an I/C Program]	**1pm – 2pm** I/C Kickoff Meeting [See Note (a)]
2pm – 4pm I/C Onsite Evaluation [See Note (c)]	**2pm – 4pm** I/C Onsite Evaluation [See Note (c)]	**2pm – 4pm** I/C Onsite Evaluation [See Note (c)]	**2pm – 4pm** I/C Onsite Evaluation [See Note (c)]		**2pm – 4pm** I/C Onsite Evaluation [See Note (c)]
I/C Facility #1: UPS, 9682 Hemaloa Pl.	*I/C Facility #1:* UPS, 128 Mokuea Pl.	*I/C Facility #1:* Young Brothers Maintenance Facility, Pier 39	*I/C Facility #1:* Marisco		*I/C Facility #1:* First Hawaiian Bank, 94-205 Leoku St., Waipahu, HI
I/C Facility #2: ASIC-HFFC, 761 Kaonawai Pl.	*I/C Facility #2:* United Airlines, 110 Lauhoe Pl.	*I/C Facility #2:* Matson Maintenance Facility, Piers 52-53	*I/C Facility #2:* Grace Pacific		*I/C Facility #2:* CM Recycling, 204 Sand Island Access Rd., Honolulu, HI
4pm – 5pm I/C Debrief Meeting [See Note (d)]	**4pm – 5pm** I/C Debrief Meeting [See Note (d)]	**4pm – 5pm** I/C Debrief Meeting [See Note (d)]	**4pm – 5pm** I/C Debrief Meeting [See Note (d)]		**4pm – 5pm** I/C Debrief Meeting [See Note (d)]

Appendix C4: Schedule for PEAR #4 - Illicit Discharge Detection and Elimination Program Element and Industrial Commercial Activities/Tenant Program

Notes:
(a) MS4 Permit Coordinators will have the opportunity to present information on their program during the Kickoff Meetings. At least a half hour should be available for MS4 Permit Coordinators (or their designees) to present.

(b) Illicit Discharge Detection and Elimination (IDDE) Program: The Audit Team will accompany inspectors in the field as they conduct up to two (2) dry-weather outfall screenings. The outfalls identified in this Appendix are preliminary and are subject to modification.

(c) Industrial/Commercial (I/C) Program: The Audit Team will accompany inspectors in the field as they inspect up to two (2) industrial/commercial facilities. The facilities identified in this Appendix are preliminary and are subject to modification.

(d) The Debrief Meeting will be limited to discussing any findings that need clarification and any required communication moving forward.

7. End of Post-Onsite Evaluation Review Period

- Within 630 Days of AWPC
- **Consent Decree Deadline:** Within 630 Days of AWPC
- Within 7 Days of Last Milestone
- By Wednesday 5 December 2018

8. Completion of Draft PEAR & Distribution to MS4 Permit Coordinators

- Within 674 Days of AWPC[1]
- **Consent Decree Deadline:** Within 675 Days of AWPC
- Within 44 Days of Last Milestone
- By Friday 18 January 2019

9. Written Request for Clarification and Corrections
MS4 Permit Coordinators to HDOT PM

- Within 700 Days of AWPC
- Within 26 Days of Last Milestone
- By Wednesday 13 February 2019

10. Written Request for Clarification and Corrections
HDOT PM to Audit PM

- Within 702 Days of AWPC[2]
- **Consent Decree Deadline:** Within 705 Days of AWPC
- Within 2 Days of Last Milestone
- By Friday 15 February 2019

11. Completion of Final PEAR

- Within 723 Days of AWPC[3]
- **Consent Decree Deadline:** 750 Days of AWPC
- Within 21 Days of Last Milestone
- By Friday 8 March 2019

[1] This deadline is 1 day ahead of the CD Deadline as the CD Deadline falls on a Saturday.
[2] The deadline is ahead of the CD Deadline due to the required shift in the #8 deadline.
[3] The main Audit Work Plan Section 5.3.3 provides an explanation of why this document is submitted ahead of the CD deadline.

C5: PEAR #5 – Schedule for Pollution Prevention / Good Housekeeping Program

Appendix C5: Schedule for PEAR #5: Pollution Prevention / Good Housekeeping Program

1. Notice of Audit
- Within 730 Days of AWPC
- Within 7 Days of Last Milestone
- By Friday 15 March 2019

2. Records Request
- Within 737 Days of AWPC
- Within 7 Days of Last Milestone
- By Friday 22 March 2019

3. Fulfillment of Records Request
- Within 762 Days of AWPC
- Within 25 Days of Last Milestone
- By Tuesday 16 April 2019

4. Records Review Complete
- Within 776 Days of AWPC
- Within 14 Days of Last Milestone
- By Tuesday 30 April 2019

5. Pre-Onsite Evaluation Conference Call
- Within 783 Days of AWPC
- Within 7 Days of Last Milestone
- By Tuesday 7 May 2019

6. Completion of Onsite Evaluation
- Within 800 Days of AWPC
- Within 17 Days of Last Milestone
- By Friday 24 May 2019

The table below provides a preliminary schedule for the onsite evaluation week.

Appendix C5: Schedule for PEAR #5: Pollution Prevention / Good Housekeeping Program

Airports		Harbors		Highways	
Kahului Airport **Small MS4 Permit** **HI 4KE349**	**Honolulu International Airport** **Individual Permit** **HI S000005**	**Honolulu Harbor** **Small MS4 Permit** **HI 03KB482**	**Kalaeloa Barbers Point Harbor** **Small MS4 Permit** **HI 03KB488**	**Maui District** **Small MS4 Permit** **HI 14KE352**	**Oahu District** **Individual Permit** **HI S000001**
796 Days After AWPC Monday 20 May 2019 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] *Facility #1:* OGG Baseyard, Keolani Pl. *Facility #2:* ARFF Station, Onsite **11am – 12pm** Debrief Meeting [See Note (c)]	797 Days After AWPC Tuesday 21 May 2019 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] *Facility #1:* HNL Baseyard, 2919 Aolele St. *Facility #2:* Crash Fire Station 2, off Lagoon Drive **11am – 12pm** Debrief Meeting [See Note (c)]	799 Days After AWPC Thursday 23 May 2019 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] *Facility #1:* Sand Island Baseyard, 48 Sand Island Access Road [DOT-HAR only operates one maintenance facility at Honolulu Harbor] **11am – 12pm** Debrief Meeting [See Note (c)]	800 Days After AWPC Friday 24 May 2019 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] *Facility #1:* Kalaeloa Storage Facility [DOT-HAR only operates one maintenance facility at Kalaeloa Harbor] **11am – 12pm** Debrief Meeting [See Note (c)]	796 Days After AWPC Monday 20 May 2019 **1pm – 2pm** Kickoff Meeting [See Note (a)] **2pm – 4pm** Onsite Evaluation [See Note (b)] *Facility #1:* HWY-M Kahului Baseyard, 650 Palapapa Dr. *Facility #2:* HAR-M Kahului Harbor, 103 Ala Luina St. **4pm – 5pm** Debrief Meeting [See Note (c)]	798 Days After AWPC Wednesday 22 May 2019 **8am – 9am** Kickoff Meeting [See Note (a)] **9am – 11am** Onsite Evaluation [See Note (b)] *Facility #1:* Kakoi Baseyard, 727 Kakoi St. *Facility #2:* Windward Baseyard, 45-889 Pookela St. **11am – 12pm** Debrief Meeting [See Note (c)]

Notes:
(a) MS4 Permit Coordinators will have the opportunity to present information on their program during the Kickoff Meeting. At least a half hour should be available for MS4 Permit Coordinators (or their designees) to present.

(b) After the Kickoff Meeting, the Audit Team will conduct a walk-through of up to two (2) permittee owned or operated facilities (maintenance yards, chemical storage facilities, etc.) with a facility supervisor and/or other key staff to verify that activities are performed as described in the SWMPP. The facilities identified in this Appendix are preliminary and are subject to modification.

(c) The Debrief Meeting will be limited to discussing any findings that need clarification and any required communication moving forward.

7. End of Post-Onsite Evaluation Review Period
- Within 810 Days of AWPC
- **Consent Decree Deadline:** Within 810 Days of AWPC
- Within 10 Days of Last Milestone
- By Tuesday 3 June 2019

8. Completion of Draft PEAR & Distribution to MS4 Permit Coordinators
- Within 855 Days of AWPC
- **Consent Decree Deadline:** Within 855 Days of AWPC
- Within 45 Days of Last Milestone
- By Thursday 18 July 2019

9. Written Request for Clarification and Corrections MS4 Permit Coordinators to HDOT PM
- Within 882 Days of AWPC
- Within 27 Days of Last Milestone
- By Wednesday 14 August 2019

10. Written Request for Clarification and Corrections HDOT PM to Audit PM
- Within 884 Days of AWPC[1]
- **Consent Decree Deadline:** Within 885 Days of AWPC
- Within 2 Day of Last Milestone
- By Friday 16 August 2019

11. Completion of Final PEAR
- Within 905 Days of AWPC[2]
- **Consent Decree Deadline:** 930 Days of AWPC
- Within 21 Days of Last Milestone
- By Friday 6 September 2019

[1] This deadline is 1 day ahead of the CD Deadline as the CD Deadline falls on a Saturday.
[2] The main Audit Work Plan Section 5.3.3 provides an explanation of why this document is submitted ahead of the CD deadline.

C6: PEAR #6 – Schedule for Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability

Appendix C6: Schedule for PEAR #6 - Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability

1. Notice of Audit
- Within 912 Days of AWPC
- Within 7 Days of Last Milestone
- By Friday 13 September 2019

2. Records Request
- Within 919 Days of AWPC
- Within 7 Days of Last Milestone
- By Friday 20 September 2019

3. Fulfillment of Records Request
- Within 961 Days of AWPC
- Within 42 Days of Last Milestone
- By Friday 1 November 2019

4. Records Review Complete
- Within 989 Days of AWPC[1]
- **Consent Decree Deadline:** Within 990 Days of AWPC
- Within 28 Days of Last Milestone
- By Friday 29 November 2019

For this Program Element, the end of the records review period represents the completion of evaluation. No onsite evaluation will occur for this program element. It is expected that several conference calls between the Audit Team, HDOT PM, and MS4 Permit Coordinators will be conducted during the records review period. If requested by the Audit Team or MS4 Permit Coordinator, an in-person meeting may be scheduled during this period.

Airports		Harbors		Highways	
Kahului Airport **Small MS4 Permit** **HI 4KE349**	**Honolulu International Airport** **Individual Permit** **HI S000005**	**Honolulu Harbor** **Small MS4 Permit** **HI 03KB482**	**Kalaeloa Barbers Point Harbor** **Small MS4 Permit** **HI 03KB488**	**Maui District** **Small MS4 Permit** **HI 14KE352**	**Oahu District** **Individual Permit** **HI S000001**
Between 13 September 2019 and 29 November 2019, conference calls and in-person meetings will be scheduled as needed.	Between 13 September 2019 and 29 November 2019, conference calls and in-person meetings will be scheduled as needed.	Between 13 September 2019 and 29 November 2019, conference calls and in-person meetings will be scheduled as needed.	Between 13 September 2019 and 29 November 2019, conference calls and in-person meetings will be scheduled as needed.	Between 13 September 2019 and 29 November 2019, conference calls and in-person meetings will be scheduled as needed.	Between 13 September 2019 and 29 November 2019, conference calls and in-person meetings will be scheduled as needed.

5. – 7. Not Applicable (See #4)

[1] This deadline is 1 day ahead of the CD Deadline as the CD Deadline falls on a Saturday.

Appendix C6: Schedule for PEAR #6 - Staffing, Funding, Organizational Structure, Availability of Resources, and Storm Water Program Sustainability

8. Completion of Draft PEAR & Distribution to MS4 Permit Coordinators

- Within 1034 Days of AWPC[2]
- **Consent Decree Deadline:** Within 1035 Days of AWPC
- Within 45 Days of Last Milestone
- By Monday 13 January 2020

9. Written Request for Clarification and Corrections
MS4 Permit Coordinators to HDOT PM

- Within 1058 Days of AWPC
- Within 24 Days of Last Milestone
- By Thursday 6 February 2019

10. Written Request for Clarification and Corrections
HDOT PM to Audit PM

- Within 1064 Days of AWPC[2]
- **Consent Decree Deadline:** Within 1065 Days of AWPC
- Within 6 Days of Last Milestone
- By Wednesday 12 February 2020

11. Completion of Final PEAR

- Within 1108 Days of AWPC[3]
- **Consent Decree Deadline:** 1110 Days of AWPC
- Within 44 Days of Last Milestone
- By Friday 27 March 2020

[2] The deadline is ahead of the CD Deadline due to the required shift in the #4 deadline.
[3] This deadline is 2 days ahead of the CD Deadline as the CD Deadline falls on a Sunday.

Appendix D

Notices to EPA & DOH

D1: Draft Notice of Potential Violation

State of Hawaii Department of Transportation
MS4 Permit Audit
Draft Notice of Potential Violation

Potential Violation Tracking #: _____

Determination of Potential Violation Date: _____

Potential Violation Notification Date:_____
(Today's Date)

The Audit Team must submit this notice within 2 business days of determining that a potential violation has occurred.

Potential Violation Narrative Description:

_____

_____

_____

_____

_____

_____

_____

Description of Attached Photographs (if applicable):

_____

_____

_____

_____

Applicable Regulatory References

NPDES Permit No.: _____

SWMPP: _____

Hawaii Administrative Rules (HAR): _____

Code of Federal Regulations (CFR):_____

DRAFT

D2: Final Notice of Potential Violation

State of Hawaii Department of Transportation
MS4 Permit Audit
Final Notice of Potential Violation

Potential Violation Tracking #: _____

Determination of Potential Violation Date: _____

Potential Violation Notification Date: _____
(Today's Date)

The Audit Team must submit this notice within 2 business days of determining that a potential violation has occurred.

Potential Violation Narrative Description:

_____

_____

_____

_____

_____

_____

_____

Description of Attached Photographs (if applicable):

_____

_____

_____

_____

Applicable Regulatory References

NPDES Permit No.: _____

SWMPP: _____

Hawaii Administrative Rules (HAR): _____

Code of Federal Regulations (CFR):_____

Result of HDOT PM Review:

- ☐ Confirmed Potential Violation
  - o Email Notice of Corrective Action sent to EPA/DOH on: _____
    (Due Within 14 Calendar Days of Potential Violation Notification Date)
- ☐ Re-categorized as Deficiency
  - o Email Notice sent to EPA/DOH on: _____
- ☐ Summarily Dismissed
  - o Email Notice sent to EPA/DOH on: _____

FINAL

D3: Notice of Corrective Action

State of Hawaii Department of Transportation
MS4 Permit Audit
Notice of Corrective Action

Corrective Action in Response to:

- ☐ Potential Violation (complete Section A & C)
- ☐ Deficiency (complete Section B & C)

SECTION A – Corrective Action in Response to Potential Violation

Potential Violation Tracking #:____ Potential Violation Notification Date:_____
(from Notice of Potential Violation Form)

Corrective Action Notification Date: _____
(Today's Date)

HDOT must submit this notice within 14 calendar days of the Potential Violation Notification Date.

SECTION B – Corrective Action in Response to Deficiency

HDOT Receipt of Draft PEAR Date:_____

Corrective Action Notification Date: _____
(Today's Date)

HDOT must submit this notice within 21 calendar days of receiving the relevant Draft PEAR.

SECTION C

Description of Corrective Action

_____

_____

_____

_____

_____

_____

_____

_____

_____

Description of Attached Photographs (if applicable):

_____

_____

_____

_____

_____