2015 ANNUAL COMPLIANCE REPORT
STORM WATER MANAGEMENT PROGRAM

HONOLULU HARBOR NGPC HI 03KB482
KALAELOA BARBERS POINT HARBOR NGPC HI 03KB488

MĀLAMA I KE KAI –
Protect Our Harbor Waters

DEPARTMENT OF TRANSPORTATION, HARBORS DIVISION
79 South Nimitz Highway
Honolulu, Hawaii 96813

January 28, 2016

TABLE OF CONTENTS

ATTACHMENTS ON CD

1. Newspaper Advertisement Soliciting Comments on Updated SWMP
2. Newspaper Advertisement Describing Harbors Pollution Prevention Efforts
3. Harbors Employee Poster
4. Pet Care Fact Sheet
5. Adopt-A-Harbor Packet and Waste Removal Statistics
6. Tenant Training
    a. Notice Letter
    b. Presentation Slides
    c. Sign-In Sheets
    d. Tenant Environmental Manager of the Year (TEMY) Award Letter and Plaque
    e. Feedback Summary
    f. Questionnaire Results
7. Construction and Post Construction Training
    a. Presentation Slides
    b. Quizzes and Sign-In Sheets
    c. Summary of Survey Results
8. Harbors Employee Survey and Summary of Results
9. IDDE Training
    a. Presentation Slides
    b. Summary of Results and Completed Surveys
10. Inspector Training
    a. Tenant Inspection Manual (TIM) Presentation Slides
    b. Outfall Reconnaissance Inventory (ORI) Presentation Slides
    c. TIM and ORI Training Results
11. Tenant Inventory, Risk Rank and Inspection Summary
12. Outfall Prioritization
13. Dry Weather ORI Forms
14. Wet Weather ORI Forms
15. Tenant Illicit Discharges Investigations
16. SHOT Form IDDE Investigations
17. Active Construction Projects Inventory and Inspection Summary
18. Tenant Projects Review Inventory
19. DOT Projects Review Inventory
20. Post-Construction BMPs Inventory and Inspection

ACRONYMS

ACOE	Army Corps of Engineers
ACR	Annual Compliance Report
AG	State of Hawaii, Department of the Attorney General
BMP	Best Management Practice
CCH	City and County of Honolulu
CM	Construction Manager
DOH-CWB	State of Hawaii, Department of Health, Clean Water Branch
DOT	State of Hawaii, Department of Transportation
EPA	U.S. Environmental Protection Agency
ERP	Enforcement Response Plan
ETC	EnviroServices and Training Center, LLC
GIS	Geographic Information System
HAR	Hawaii Administrative Rules
HAR-E	Harbors Division, Engineering Branch
HAR-EC	Harbors Division, Engineering Branch, Construction Section
HAR-ED	Harbors Division, Engineering Branch, Design Section
HAR-EE	Harbors Division, Engineering Branch, Environmental Section
HAR-EM	Harbors Division, Engineering Branch, Maintenance Unit
HAR-EP	Harbors Division, Engineering Branch, Planning Section
HAR-O	Harbors Oahu District
HAR-OCG	Harbors Oahu District, Custodial & Grounds Maintenance Unit
HAR-OM	Harbors Oahu District, Maintenance Unit
HAR-PM	Harbors Division, Property Management Section
HAR-SI	Harbors Division, Management Information Systems
IDDE	Illicit Discharge Detection and Elimination
KBPH	Kalaeloa Barbers Point Harbor
MOA	Memorandum of Agreement
MS4	Municipal Separate Storm Sewer System
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
O&M	Operation and Maintenance Plan
ORIIP	Outfall Reconnaissance Inventory Inspection Program
P2	Pollution Prevention
PM	Harbors Division Project Manager
SHOT	Stormwater Hotline Occurrence Tracking
SSS O&M	Storm Sewer System Operations and Maintenance Plan
SWMP	Storm Water Management Plan
TIM	Tenant Inspection Manual
TMDL	Total Maximum Daily Load
TSI	Tenant Self Inspection
VGP	Vessel General Permit

Municipality/Organization: State of Hawaii
Department of Transportation
Harbors Division

State of Hawaii NPDES Program Permit Number: **HI 03KB482 (HNL)**
HI 03KB488 (KPBH)

Annual Report Number & Reporting Period: **Year 13**
January 1, 2015 – December 31, 2015

Honolulu Harbor
Kalaeloa Barbers Point Harbor
NPDES Small MS4 General Permit
Stormwater Annual Compliance Report

PART I – GENERAL INFORMATION

Permittee (Owner/Operator) Details

Owner: Ford N. Fuchigami Title: Director of Transportation

Telephone #: (808) 587-2150 Email: ford.fuchigami@hawaii.gov

Mailing Address: State of Hawaii, Dept. of Transportation
869 Punchbowl Street
Honolulu, Hawaii 96813-5097

1. Is the named permittee relying on another entity/ies to satisfy some of its permit obligations? ☒ Yes ☐ No
    a. If Yes, provide the name(s) of other entity/ies and an explanation of their responsibilities (add more spaces or pages if needed):

NAME	RESPONSIBILITIES
State of Hawaii, Department of the Attorney General (AG)	Involved in making changes to the Hawaii Revised Statues and Hawaii Administrative Rules (HAR). Serves as primary interface with EPA Region IX. Developing and implementing the Enforcement Response Plan (ERP).
City and County of Honolulu Dept. of Planning & Permitting Site Development Division Wastewater Branch	Assumes tracking of drainage connections to its wastewater sewer system through Industrial Wastewater Discharge Permit.

NAME	RESPONSIBILITIES
Construction Managers (Various Firms)	Conducts construction inspections and ensure that construction sites are in compliance with applicable environmental regulations.
EnviroServices & Training Center, LLC	Assists Harbors in meeting requirements of the Consent Decree, the Small MS4 NPDES permits, and other environmental regulations.
Weston Solutions, Inc.	Assists Harbors in meeting requirements of the Consent Decree, the Small MS4 NPDES permits, and other environmental regulations as well as civil and environmental engineering support services.
SHI International Corp., Azteca City Works, and Woolpert, Inc.	Assisted Harbors in designing, configuring, testing, and deploying a Cityworks-based AMS.

2. Is the named permittee sharing a SWMP(P) with other entities? ☐ Yes ☒ No
    a. If "Yes," list all associated permit numbers and permittee names (add additional spaces or pages if needed):

PERMIT NUMBER	PERMITTEE

3. Is this a system-wide annual report including information for all permittees?
☐ Yes ☐ No ☒ N/A
    a. Explanation, if any:

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4. Has a copy of this annual report been submitted to the Regional U.S. EPA Administrator at Region 9? ☒ Yes ☐ No

5. Storm Water Management Plan (SWMP)

    a. Changes have been made or are proposed to the SWMP since the NOI or the last annual compliance report (ACR), including changes in response to DOH-CWB/EPA Region 9 review. ☒ Yes ☐ No
        i. Explanation: The SWMP for both the Honolulu Harbor as well as Kalaeloa Barbers Point Harbor was modified in March 2015 to meet the conditions of the Consent Decree (1:14-CV-00408-JMS-KSC) filed on November 5, 2014. The updated SWMP was implemented in 2015 and is available on the DOT Harbors website: http://hidot.hawaii.gov/harbors/library/storm-water-management/.

b. If Yes to the above, has the DOH-CWB/EPA Region 9 already approved the original SWMP? ☐ Yes ☒ No ☐ N/A
    i. Explanation: The revised SWMP was submitted to EPA and DOH for approval.

c. Changes have been made or are proposed to the Outfall Reconnaissance Inventory Inspection Program (ORIIP) during the reporting year. ☐ Yes ☒ No
    i. Explanation: Changes were not made to the ORIIP in 2015 and a list of prioritized outfalls (characterized as potential, suspect, or obvious in 2014) were inspected in 2015. DOT Harbors is planning to conduct a complete outfall reconnaissance in 2016.

d. Changes have been made or are proposed to the Tenant Inspection Manual (TIM) during the reporting year. ☐ Yes ☒ No
    i. Explanation: Changes were not made to the TIM in 2015. High-risk and medium-risk tenants have been inspected in 2015 and Harbors will continue the effort in 2016.

6. The MS4 has annexed land since obtaining permit coverage. ☐ Yes ☒ No

7. A receiving water body is newly listed as impaired or a TMDL has been established. ☐ Yes ☒ No

PART II – SELF-ASSESSMENT

Narrative Provisions

1. Provide information on the status of complying with permit conditions:

	YES	NO	EXPLAIN
Permittee is in compliance with NPDES permits.	✓		Harbors environmental program meets and exceeds the six minimum measures of an MS4 permit for both the Honolulu Harbor and Kalaeloa Barbers Point Harbor NPDES permits. Harbors has met permit requirements and is continuously working on improving existing programs.
Permittee has met all conditions of the Consent Decree (1:14-CV-00408-JMS-KSC).		✓	At the end of CY2015, Harbors met all Consent Decree conditions and submission requirements due by the end of the year. Based on comments received on the Retrofit Feasibility Study Scope, Harbors has requested an extension on that submittal to gather the necessary data. Additionally, the hiring process for the Office of Environmental Compliance Manager has taken longer than expected and a consultant is currently providing assistance for the role.
Permittee is currently in compliance with recordkeeping and reporting requirements.	✓		Harbors has adequately retained required records. In addition, Harbors has begun to implement an asset management system (AMS) using Cityworks that will manage work flow and store data in conjunction with the GIS maps.

2. Provide a general evaluation of the program's progress, including any obstacles or challenges encountered in implementing BMPs, meeting the program's schedule, etc.

   SWMP Core Progress Evaluation: Harbors continues its efforts and works together with consultants on meeting requirements listed in the Consent Decree settled with EPA/DOH and the updated SWMP in 2015. Management continues to be involved in the implementation of the program.

   The Harbors education and outreach program, as prepared for Harbors employees and tenants, enhances the general awareness of the impacts that different activities may have on stormwater runoff, and how best management practices (BMP) can help to minimize or mitigate those impacts. Previous year's feedback and comments have been evaluated

and amended into the program when necessary. Harbors continued its public involvement and supported an Adopt-A-Harbor volunteer program along with participating in a statewide Protect Our Water Conference on November 4, 2015.

Harbors also continued its inspections of high/medium risk tenants in 2015 and provided outreach during site visits. As a result of this continuous effort, approximately 11% of the previous high/medium-risk tenants have been downgraded to low-risk tenants. Annual dry/wet weather outfall inspections also continued, focusing on prioritized outfalls (characterized of potential, suspect, or obvious in 2014). Harbors Marine Cargo Specialists and Enforcement & Security Unit attended the Illicit Discharge Detection and Elimination (IDDE) training, as well as they continued to patrol the assigned harbor area and document their observations, and to appraise/consult Harbors Engineering Branch Environmental Section (HAR-EE) of any environmental related concerns.

Harbors continues to implement the Construction Site Runoff Control program. In particular, Harbors Engineering Branch (HAR-E) and associated consultants and contractors continued to attend construction & post-construction trainings in 2015, and were more involved in relevant stormwater requirements. HAR-EE will continue to review and evaluate all projects from design to construction phases, and to coordinate and/or inspect regulated construction sites.

Harbors Oahu District continues their efforts on pollution prevention and good housekeeping. Cleaning and stenciling of all accessible storm drains/inlets/channels was accomplished in 2015. The District office is currently involved in the process of finalizing the O&M plan while it continues to implement regular drain inspections and maintenance actions, as well as other auxiliary operations (e.g., sweeping, waste disposal), which has greatly minimized the discharge of potential pollutants into the receiving water.

Another noteworthy area is the development and implementation of the required AMS. Harbors has been working together with Woolpert, Inc. through SHI to design, configure, test, and deploy a Cityworks-based AMS. This system was deployed in November 2015, and 30 Harbors personnel with essential roles in stormwater system planning, environmental engineering and inspections, operations, maintenance and enforcement were provided hands-on training. Currently, trained personnel are using this system to facilitate Harbors' operations by generating and responding to service requests, work orders, and inspections

Additionally, field surveys (kayak, CCTV and diving) were conducted in November and December 2015 to gather information on stormwater piping, discharge outfalls and their connections to fill GIS mapping 'data gaps' that have existed since the initial mapping efforts. The recent GIS mapping updates were completed by December 31, 2015. Follow-on efforts to review and analyze the numerous CCTV and diving videos, which were produced to provide further information on the condition of the subsurface components of the stormwater system and to identify corrective and repair actions needed, will continue through February 2016.

Challenges: The largest challenge for the year was developing the AMS to be an effective tool for documenting and tracking stormwater work and program requirements. Engineers, consultants, maintenance workers, environmental section employees, and Harbors leadership were included in the configuration and deployment of the system. Then, all the individual users of the system were provided hands-on training its operation. There has been a steep learning curve that is likely to continue into next year as this tool is fully implemented and becomes a part of the daily Harbors' operations.

3. Provide a general assessment of the appropriateness of the selected BMPs:

    a. Has the permittee determined that any of the selected BMPs are not appropriate for reducing the discharge of pollutants in the stormwater? ☐ Yes ☒ No

        1. Provide explanation, if yes:

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4. Effectiveness of the program.

    a. Are the metrics tracked effective in measuring specific activities. ☒ Yes ☐ No

    Explanation: The metrics detailed in Part III of this report were effective at tracking work that was conducted for stormwater compliance in 2015. However, because they have been revised to reflect the updated requirements in Harbors 2015 SWMP, further evaluations are warranted during its implementation in 2016.

    b. Are the activities conducted effective in reducing the discharge of pollutants from the MS4? ☒ Yes ☐ No

    Explanation: Activities such as trainings and inspections helped tenants, consultants, and contractors identify areas that could potentially generate illicit discharges and better control the sources before pollutants could be discharged. Additionally, the storm drain cleaning has removed a large amount of debris that would have otherwise impacted the receiving water.

    c. Describe progress towards reducing the discharge of pollutants. Summarize any information used to evaluate reductions in the discharge of pollutants. Use a narrative description or table as appropriate:

MCM (Minimum Control Measure) Description	BMP Applied (response action on MCM/resultant outcome)	Parameter	Quantity	Units	Does BMP Demonstrate a Direct Reduction in Pollutants? (Yes / No / Explain)
P2 & Good Housekeeping	Volunteer event debris removal	Cigarette butts, trash, debris	350	lbs	Yes – pollutants would otherwise remain in MS4
P2 & Good Housekeeping	Storm drain cleaning	Debris	241,609	lbs	Yes – pollutants would otherwise remain in MS4
IDDE	Elimination of illicit discharges	Investigations	84	ea	Yes – illicit discharges eliminated

d. Provide additional explanation below:

Harbors personnel and tenants have been trained to be observant during their daily activities and report any potential illicit discharges noted. Based on the number of discharges observed for 2015, it appears that Harbor's users are becoming more adept at identifying potential sources of pollution.

5. Describe any proposed modifications in the coming reporting year.

SWMP: The SWMP was recently updated. It is anticipated that no significant changes will take place in 2016. However, if there are any, they will be reported accordingly.

MS4: There are several construction projects that may result in changes to Harbors small MS4. Harbors will continue to record changes in its MS4 GIS map.

6. Describe whether Consent Decree implementation timelines have been met.

The Consent Decree timelines (as of 12/31/15) have been met. However, due to revisions in the Retrofit Feasibility Study Scope required by the EPA, Harbors has requested an extension for this submittal. Additionally, DOT has reorganized the Office of Special Compliance as an Office of Environmental Compliance. A permanent position for the Office of Compliance Manager has been established and recruiting is in progress. Meanwhile, this position is temporarily filled by a consultant. A permanent position for the Sediment and Erosion Control Inspector has been authorized by the Legislature and a Harbors engineer has been temporarily assigned to the position until it is established and recruitment is completed.

7. Evaluate the need for water quality monitoring data.

   The BMPs implemented at the Harbors are more effectively evaluated qualitatively because they have not been implemented long enough to determine their effectiveness. Further, Harbors does not have a sufficient number of permanent BMPs to determine their impact(s) on water quality through monitoring. At this time, Harbors has determined that monitoring is not necessary.

8. Evaluate the need for additional stormwater message signs.

   The initial placement of signs at the Harbors appears sufficient to communicate the stormwater pollution prevention message. During the IDDE training, one of the Harbor Police recommended putting additional signs at the main Harbor entrances so that anyone entering the Harbor area is immediately aware of their responsibility to protect the environment. Additionally, there are currently 79 signs placed along the channels where no other forms of conveying the stormwater message are feasible. Harbors will add additional signs to entrances as needs are identified and funds are available.

PART III – SUMMARY OF MINIMUM CONTROL MEASURES

Storm Water Management Program Status

I. General Program Requirements

GENERAL PROGRAM REQUIREMENTS							
MCM/BMP DESCRIPTION	RESPONSIBLE DEPT. / SECTION	BMP APPLIED/ MEASURABLE GOAL(S)	BMP START DATE	YEAR 13 MILESTONES/PROGRESS ON GOAL(S)	COMPLETED IN 2015?	NEW OR REVISED GOAL	PLANNED ACTIVITIES FOR YEAR 14
CD.5. Stockpile BMPs	HAR-EE / HAR-EM	By 11/5/14, develop and implement a plan for stockpile stabilization.	11/5/14	The stockpile stabilization plan submitted to DOH and EPA in 2014 was approved in 2015. Stockpiles were stabilized with vegetation, soil sediment control, and berms prior to 2014.	✓	N/A	Implement approved plan. HAR-EM will ensure continued maintenance on BMPs implemented.
CD.10. Office of Environmental Compliance	DOT Administration	By 5/4/15, ensure: 1) Reports to Director of Transportation. 2) Reorganize and hire manager. 3) Oversee compliance for DOT. 4) Perform program audits.	11/5/14	Currently, the hiring process for the manager position of Office of Environmental Compliance manager is underway. Meanwhile, a consultant has been used to temporarily fill the position. An Audit plan was developed and is awaiting approval by DOH.	✓	N/A	Complete hiring activities and finalize audit plan.
CD.11.a. SWMP Modification	HAR-EE	By 2/3/15, modify the joint SWMP to comply with the Consent Decree and MS4 permits and post it on the Harbors website.	11/5/14	The revised SWMP was completed and posted to Harbors website in February 2015. Additionally, a legal notice was posted in the Honolulu Star Advertiser on 2/7/15 (Attachment 1).	✓	N/A	None.

General Program Requirements							
MCM/BMP Description	**Responsible Dept. / Section**	**BMP Applied/ Measurable Goal(s)**	**BMP Start Date**	**Year 13 Milestones/Progress on Goal(s)**	**Completed in 2015?**	**New or Revised Goal**	**Planned Activities for Year 14**
CD.19.a. Enforcement Response Plan (ERP)	AG	By 12/5/14, submit an ERP to DOH and EPA.	11/5/14	A revised draft of the Enforcement Response Plan (ERP) was submitted to EPA on August 5, 2015. DOT review of enforcement issues (including staffing relating to the enforcement plan) is continuing.	✓	N/A	Implement ERP upon approval.
CD.19.b. Memorandum of Agreement (MOA)	AG	By 12/5/14, enter into an MOA with DOH.	11/5/14	The Memorandum of Agreement with HDOH was signed by both parties and transmitted to EPA on May 26, 2015.	✓	N/A	Implement where necessary.
CD.19.b. Authority to Issue Civil Fines	AG	By 12/31/14, obtain authority to issue civil fines.	11/5/14	Draft language to have HDOT-Harbors obtain the authority to issue civil fines pursuant to State law was prepared in 2015 and DOT review is continuing.		N/A	Obtain authority.

II. Public Education and Outreach

PUBLIC EDUCATION AND OUTREACH							
MCM/BMP DESCRIPTION	**RESPONSIBLE DEPT. / SECTION**	**BMP APPLIED/ MEASURABLE GOAL(S)**	**BMP START DATE**	**YEAR 13 MILESTONES/PROGRESS ON GOAL(S)**	**COMPLETED IN 2015?**	**NEW OR REVISED GOAL**	**PLANNED ACTIVITIES FOR YEAR 14**
CD 14.a.i. SWMP A.3.1.1 Awareness Message Integration	HAR-EE	100% of printed and electronic communications with tenants, staff, and public should include the environmental message.	1/1/15	The message "Mālama I Ke Kai - Protect Our Harbor Waters "along with the DOT's raindrop fish logo has been included in 100% of emails, tenant notices, educational materials, surveys, and training presentations.	✓	N/A	Continue to integrate message into all printed and electronic communication.
CD 14.a.ii. SWMP A.3.1 Awareness Message Distribution	HAR-EE	Identify and implement no less than three forms of disseminating stormwater awareness information to tenants and the public.	1/1/15	The stormwater message and logo have been included in at least five forms of information: • Documents (SWMP, ACR). • Training presentations (Tenant, Construction and Post Construction, IDDE). (Attachments 6.b, 7.a, and 9.a) • Employee educational poster (Attachment 3). • Two newspaper advertisements. (Attachments 1 and 2) • Pet Care Fact Sheet. (Attachment 4)	✓	N/A	Continue to include message wherever possible.
CD.14.a.ii. SWMP A.3.1.3. Social Media	HAR-EE	Annually, increase the number of users who "follow" the Harbors social media page / account	1/1/15	Harbors is working to get the proper permissions to create and host a social media page. At this time, the public and tenants are directed to the Harbors website.		Annually, increase the number of Harbors website views.	Determine whether social media is a feasible method of conveying stormwater education. Revise SWMP as needed.
CD 14.a.ii. SWMP A.3.1.4 Volunteer Event	HAR-EE	Annually, set up and solicit one volunteer event.	1/1/15	In 2015, there were five volunteer events organized by Captain Jeff Lansdown (Harbors tenant).	✓	N/A	Set up and/or co-host a volunteer event.

PUBLIC EDUCATION AND OUTREACH							
MCM/BMP DESCRIPTION	**RESPONSIBLE DEPT. / SECTION**	**BMP APPLIED/ MEASURABLE GOAL(S)**	**BMP START DATE**	**YEAR 13 MILESTONES/PROGRESS ON GOAL(S)**	**COMPLETED IN 2015?**	**NEW OR REVISED GOAL**	**PLANNED ACTIVITIES FOR YEAR 14**
CD 14.a.ii. SWMP A.3.1.4 Volunteer Event Participation	HAR-EE	Increase participation from the previous year if less than 50 individuals attend.	1/1/15	In 2014, there were 58 volunteers for the Adopt-A-Harbor program and this year there were 17 volunteers that signed in, which is a decrease in documented participation (Attachment 5). However, there were many volunteers throughout the year that may not have signed in.		N/A	Advertise volunteer events to increase participation.
CD.14.a.ii.1) SWMP A.3.2.4. Tenant Training	HAR-EE	Ensure 80% of tenants participate in annual tenant stormwater training.	1/1/15	Two stormwater awareness training events were conducted on 08/18/2015 and 09/10/2015 (Attachment 6.a). 81.71% of tenants attended (Attachment 6.c). The Tenant Environmental Manager of the Year (TEMY) was presented to Frank Roznerski of Hawaii Stevedores, Inc. (Attachment 6.d)		N/A	Advertise and convene a stormwater training event.
SWMP A.3.2.4. Training Feedback	HAR-EE	Annually ensure that at least 50% of tenant training attendees provide a positive feedback.	1/1/15	Based on the feedback forms received following the two training events, 91% gave positive feedback regarding the quality of the training's content and 93% gave positive feedback regarding the quality of the trainer's performance. A summary and the hardcopies are located in Attachment 6.e.		N/A	Continue to track training feedback and make improvements to training where feasible.
CD.14.a.iii. SWMP A.3.1.2. Newspaper Advertisement	HAR-EE	Annually place an ad in one local newspaper to educate the public and describe Harbor's efforts to improve stormwater quality.	1/1/15	A newspaper advertisement was placed in the Honolulu Star Advertiser on 10/05/2015 that described Harbors efforts to prevent pollution. (Attachment 2)		N/A	Develop and place one advertisement.

PUBLIC EDUCATION AND OUTREACH							
MCM/BMP DESCRIPTION	**RESPONSIBLE DEPT. / SECTION**	**BMP APPLIED/ MEASURABLE GOAL(S)**	**BMP START DATE**	**YEAR 13 MILESTONES/PROGRESS ON GOAL(S)**	**COMPLETED IN 2015?**	**NEW OR REVISED GOAL**	**PLANNED ACTIVITIES FOR YEAR 14**
SWMP A.3.1.5. SHOT Calls	HAR-EE	Annually increase the number of inquiries and reports received.	1/1/15	In 2015, Harbors received 25 inquiries/reports, which is an increase from the 12 that were received in 2014.	✓	N/A	Advertise the phone number to entice more calls.
SWMP A.3.1.5. SHOT Call Response	HAR-EE	Respond to all inquiries and reports within 24 hours to minimize water quality impacts.	1/1/15	All calls were responded to within 24 hours.	✓	N/A	Continue to respond to calls.
CD.14.b.i. SWMP A.3.1.6. Update Website	HAR-EE, HAR-SI	Ensure that website remains useful and relevant.	1/1/15	The website has been updated throughout 2015 to include the updated SWMP and training materials. (http://hidot.hawaii.gov/harbors/library/storm-water-management/)	✓	N/A	Update website as needed.
CD.14.b.iii. SWMP A.3.1.6. Website Message	HAR-EE, HAR-SI	100% of website pages where stormwater awareness message is prominently displayed.	1/1/15	The stormwater message is prominently displayed on the HDOT homepage as well as the Stormwater Educational Materials.	✓	N/A	Continue to display message.
CD.14.b.ii. SWMP A.3.1.6. Website Links	HAR-EE, HAR-SI	Ensure links to Airports and Highways are included on the web page.	1/1/15	The links to the other HDOT Division web pages are included in the Harbors website page.	✓	N/A	Maintain links.
CD.14.b.iii. SWMP A.3.1.6. Website Visitors	HAR-EE, HAR-SI	Ensure the number of visitors to Harbors stormwater management website has increased from the previous year.	1/1/15	Harbors received a total of 1,128 unique page views which is an increase from the 997 page views in 2014.	✓	N/A	Continue to track website views.
CD.14.c.i. SWMP A.3.1.7. Stormwater Signs Installation	HAR-EE, HAR-O	By 11/5/14, identify 50 locations that are suitable for signs.	11/5/14	Completed in 2014 and tracked in AMS.	✓	N/A	Continue to evaluate the need for additional signs.

PUBLIC EDUCATION AND OUTREACH							
MCM/BMP DESCRIPTION	**RESPONSIBLE DEPT. / SECTION**	**BMP APPLIED/ MEASURABLE GOAL(S)**	**BMP START DATE**	**YEAR 13 MILESTONES/PROGRESS ON GOAL(S)**	**COMPLETED IN 2015?**	**NEW OR REVISED GOAL**	**PLANNED ACTIVITIES FOR YEAR 14**
CD.14.c.i. SWMP A.3.1.7. Stormwater Sign Evaluation	HAR-EE	Annually, evaluate whether additional stormwater signs are necessary	1/1/15	HDOT has found that current signage has been sufficient to convey the stormwater pollution prevention message.	✓	N/A	Evaluate the need for more signs.
CD.14.c.ii. SWMP A.3.1.7. Storm Drain Inlet Stencils	HAR-EE / HAR-O	By 2/3/15, ensure 100% of storm drain inlets are stenciled.	2/3/15	100% of accessible storm drain (487 inlets) were stenciled by January 2015. Additionally, in areas where stencils were not feasible, signs have been placed. To date, 79 signs have been placed along open channels. [Refer to Harbors GIS for list of data]	✓	N/A	None.
CD.14.c.ii. SWMP A.3.1.7. Storm Drain Inlet Stencils	HAR-EE / HAR-O	Annually inspect 100% of stencils for legibility prior to the wet season and re-stencil within 60 days of the inspection as may be needed.	1/1/15	In 2015, HDOT conducted an inspection of stencils simultaneously with the storm drain cleaning efforts. 100% of stenciled drains were inspected and none required re-stenciling since they had been newly applied. [Refer to Harbors GIS for list of data]	✓	N/A	Inspect stencils and re-stencil as necessary.
CD.14.d.i. SWMP A.3.2.3. Tenant BMPs	HAR-EE	Annually, ensure that 100% of information on BMPs is available in fact sheets.	1/1/15	A list of tenant BMPs is available on the Harbors website: http://hidot.hawaii.gov/harbors/library/storm-water-management/.	✓	N/A	Distribute BMP flyers as necessary.
CD.14.d.ii. SWMP A.3.2.1. Tenant Lease Agreements	HAR-PM	Ensure 100% of new / renewed tenant leases include language requiring BMPs.	1/1/15	Lease agreement language was updated in 2014. 100% of tenant renewals and new tenants have been issued leases with the updated language.	✓	N/A	Continue to use the new format.

PUBLIC EDUCATION AND OUTREACH							
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CD.14.d.iii. SWMP A.3.3.1 Vessel BMPs	HAR-O	Develop BMPs for Vessel Operators and make them available on the website or as print media.	11/5/14	A BMP flier is available on the Harbors website titled "BMPs for Small Vessel Maintenance Activities." Harbors is working on translating this BMP into foreign languages as necessary, so as to provide outreach to non-English speaking users.	✓	N/A	Distribute updated flyers. Continue to evaluate and translate this BMP into foreign languages as necessary.
CD.14.e.i. SWMP A.3.2.2. Tenant Inventory	HAR-EE / HAR-PM	Ensure that 100% of tenants are accurately listed in the electronic inventory based upon most recent inspection.	1/1/15	Harbors continues to maintain their electronic tenant inventory (Attachment 11).	✓	N/A	Move the tenant inventory data to the GIS and AMS.
CD.14.f.i. & ii. SWMP A.3.2.4. Tenant Survey	HAR-EE	Annually, provide a questionnaire to tenants and have 60% of tenants respond. Use data from quiz to update training materials.	1/1/15	69.51% of tenants completed a questionnaire either as a result of the tenant notice or during the tenant training events. A summary of the results and the hard copy surveys are included in Attachment 6.f. The most commonly missed question was #3 about whether A/C water could be discharged to the MS4. The training will be updated for next year to clarify that it may be discharged into the MS4.	✓	N/A	Update the quiz and distribute to tenants.
CD.14.g. SWMP A.3.2.3.-4. Tenant Educational Materials	HAR-EE	Twice per year, distribute educational materials to tenants.	1/1/15	Educational materials that were distributed in 2015 include information in the tenant training notice on 7/15/15 and the annual stormwater training presentation on 8/18/15 and 9/10/15 (Attachment 6.a and 6.b).	✓	N/A	Distribute materials twice per year.

PUBLIC EDUCATION AND OUTREACH							
MCM/BMP DESCRIPTION	**RESPONSIBLE DEPT. / SECTION**	**BMP APPLIED/ MEASURABLE GOAL(S)**	**BMP START DATE**	**YEAR 13 MILESTONES/PROGRESS ON GOAL(S)**	**COMPLETED IN 2015?**	**NEW OR REVISED GOAL**	**PLANNED ACTIVITIES FOR YEAR 14**
CD.14.h.i. New Tenant Information Package	HAR-EE	Develop and update as necessary the New Tenant Information Package to include stormwater requirements.	11/5/14	The new tenant information package is available on the Harbors website and is also provided to the new tenants directly.	✓	N/A	Distribute information to new tenants.

III. Public Involvement and Participation

PUBLIC INVOLVEMENT AND PARTICIPATION							
MCM/BMP DESCRIPTION	**RESPONSIBLE DEPT. / SECTION**	**BMP APPLIED/ MEASURABLE GOAL(S)**	**BMP START DATE**	**YEAR 13 MILESTONES/PROGRESS ON GOAL(S)**	**COMPLETED IN 2015?**	**NEW OR REVISED GOAL**	**PLANNED ACTIVITIES FOR YEAR 14**
CD.11.a.ii. SWMP A.4. Solicit Comments through Website	HAR-EE	By 2/3/15, solicit comments on the revised SWMP through the Harbors website.	11/5/14	The SWMP was posted on the Harbors website in February 2015. There were 1,669 website views in 2015 and no public comments received on the SWMP.	✓	N/A	None.
CD.11.a.ii. SWMP A.4. Solicit Comments through Newspaper	HAR-EE	By 2/3/15, advertise in one local newspaper for SWMP comments	11/5/14	On February 7, 2015 a notice was placed in the Honolulu Star Advertiser that directed the public to comment on the updated SWMP. No public comments were received in 2015.	✓	N/A	None.
CD.11.a.ii. SWMP A.4. SWMP Commenters	General Public, Tenants	Within 45 days of posting SWMP, receive at least one comment on the updated SWMP from a tenant or the public. Receive at least one comment that results in a revision to the SWMP.	2/2/15	No public comments were received on the SWMP.		HDOT will evaluate all comments received to determine whether revisions to the SWMP are required.	None.

IV. Illicit Discharge Detection and Elimination (IDDE) Program

ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) PROGRAM							
MCM/BMP DESCRIPTION	**RESPONSIBLE DEPT. / SECTION**	**BMP APPLIED/ MEASURABLE GOAL(S)**	**BMP START DATE**	**YEAR 13 MILESTONES/PROGRESS ON GOAL(S)**	**COMPLETED IN 2015?**	**NEW OR REVISED GOAL**	**PLANNED ACTIVITIES FOR YEAR 14**
CD.16.a. Illicit Discharge Definition	HAR-EE	By 11/5/14, promulgate a definition of illicit discharge with examples.	11/5/14	Definition included in SWMP and provided in all training presentations (tenant/employee stormwater general awareness, construction and post-construction, tenant inspector, ORI, and IDDE). "A non-stormwater discharge that poses a risk to the environment."	✓	N/A	Continue to communicate definition.
CD.14.h.ii. TIM Section 2 Inspect New Tenants	HAR-EE	Conduct an initial inspection of 100% of new tenants within three months of the tenant occupying a Harbor's space.	1/1/15	2 initial inspections were conducted in 2015, which represents 100% of new tenants formally identified by HAR-PM. (Labeled as "new" under the "Inspection Type" column in Attachment 11.)	✓	N/A	Inspect new tenants as applicable.
CD.16.b.i. & iii. SWMP B.4. Tenant Site Assessments	HAR-EE, HAR-O, Marine Cargo Specialists	Annually, conduct site assessments in high risk areas and implement enforcement response plan where necessary.	1/1/15	Harbors District personnel have been informed that they should remain observant during daily activities for illicit discharges. HAR-E and consultants' personnel assess sites for illicit discharges during tenant, construction, and outfall inspections. Refer to those items for additional data. There were three enforcement actions as a result of site assessments in 2015.	✓	N/A	Update IDDE training and continue to conduct site assessments.
CD.16.b.ii. SWMP B.4. Outreach Activities	HAR-EE	Conduct outreach during site assessments and identify areas that may need signs.	1/1/15	Harbors continued to provide verbal outreach during site assessments and other activities. Evaluation of signs is included in CD 14.c.i.	✓	N/A	Continue to conduct outreach activities.

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CD.16.c.i. SWMP B.3. ORIIP Section 2 Outfall Prioritization	HAR-EE	Annually, reprioritize outfalls.	1/1/15	The outfall prioritization is included in Attachment 12.	✓	N/A	Re-prioritize outfalls based on ORI.
CD.16.c.i. SWMP B.3. ORIIP Section 2 Outfall Inspections	HAR-EE	Inspect outfalls according to their risk ranking.	1/1/15	Dry weather screenings for 5 outfalls characterized as obvious, suspect, or potential were completed on May 7, 2015. The completed forms are in Attachment 13. Wet weather inspections were conducted on August 24, 2015 at construction sites on Pier 1, 12, 15, 31, 35 and a high risk tenant at Pier 18. The completed forms are in Attachment 14.	✓	N/A	Conduct dry weather screening of all outfalls. Conduct wet weather screening.
CD.16.c.ii. & CD.16.d. SWMP B.3 ORIIP Section 3.3 Dry Weather Illicit Discharges	HAR-EE	Ensure 100% of illicit discharges identified during dry weather flows are properly addressed.	1/1/15	There was one flow observed relating to a potential illicit discharge at Pier 38 when melting ice migrated through the trash bin storage area. The trash bin was relocated by the tenant and the area was clean promptly. The clean ice melt was classified as an approved discharge.	✓	N/A	Continue to address illicit discharges.
CD.16.c.i.2. & CD.16.c.ii. SWMP B.3 ORIIP Section 3.4 Dry Weather BMP Improvements	HAR-EE	Ensure that 100% of BMPs identified during wet weather ORI as needing improvement are properly addressed.	1/1/15	Although there was no sign of an illicit discharge to the harbor, an oil sheen was observed in the Pier 35 construction site and was cleaned with an absorbent.	✓	N/A	Continue to address BMPs that need improvement.

ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) PROGRAM							
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CD.16.d. SWMP B Illicit Discharge Tracking and Elimination	HAR-EE	Identify and take necessary actions to stop the source of all illicit discharges.	1/1/15	There were 5 illicit discharges identified from tenant facilities and all were addressed promptly (Attachment 15). HAR-EE also assisted with resolving 23 other reports of miscellaneous discharges (Attachment 16).	✓	N/A	Investigate illicit discharges where observed.
CD.16.e.i. TIM Section 4.3 Tenant Risk Ranking	HAR-EE	Annually ensure that all tenants have been risk ranked according to the TIM.	1/1/15	An inventory of tenant inspections and their risk rankings are included in Attachment 11. There are 48 low ranked, 28 medium ranked, and 6 high ranked for a total of 82 tenants. Note: One tenant is ranked N/A because the company has vacated the space in 2015.	✓	N/A	Update risk ranking as necessary.
CD.16.e.ii Routine Tenant Inspections	HAR-EE	Conduct tenant inspections / site reconnaissance in accordance with risk ranking and TIM.	1/1/15	In 2015 there were 91 tenant inspections and site reconnaissance events, which represent 100% of tenants in the inspection inventory. Findings and enforcement actions are summarized in Attachment 11. Outreach materials were provided during these inspections or tenants were instructed to visit the Harbors website.	✓	N/A	Conduct inspections as required by risk ranking.

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CD.16.e.iii. Site Reconnaissance Follow-up Inspections	HAR-EE	Ensure that 100% of follow-up inspections to the site reconnaissance are completed following a substantive change to a facility's operations, size, or activities.	1/1/15	No follow-up inspections were required following site reconnaissance inspections conducted in 2015.	N/A	N/A	Conduct follow-up inspections as necessary.
SWMP B.2. TIM. Illicit Discharge Follow-up Inspections	HAR-EE	Ensure that 100% of follow-up inspections for illicit discharges are completed within 7 days of discovery.	1/1/15	One follow-up inspection was conducted at United Fishing to verify that a trash bin had been moved and the area had been cleaned. Only clean ice melt is allowed for discharge.	✓	N/A	Conduct follow-up inspections as necessary.
SWMP B.2. TIM. Compliant Follow-up Inspections	HAR-EE	Ensure that 100% of follow-up inspections are completed the next working day after receipt of a compliant.	1/1/15	One complaint was received at Oceanic Libra Corporation facility, located along Pier 18 in Honolulu Harbor. Both formal & follow-up inspections were conducted in response to the complaint.	✓	N/A	Conduct follow-up inspections as necessary.

ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) PROGRAM							
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CD.15.a.i. SWMP B.6.1. Employee Awareness Training	HAR-EE	Annually, ensure that 100% of employees receive stormwater awareness and pollution prevention survey. Ensure that 80% of employees respond to the survey.	1/1/15	Harbors created a survey via an online survey site called esurv.org. 82.7% of DOT Harbors employees completed the educational survey and feedback was positive for the online platform. A summary of the survey results and a copy of the survey are included in Attachment 8. Although the majority received very high scores, the most commonly missed question related to the definition of illicit discharge. Harbors plans to make that the focus of training efforts in 2016.	✓	N/A	Evaluate the feedback and results from previous year and update educational materials to employees and conduct another survey.
CD.15.a.ii. SMP B.6.1. Employee Education	HAR-EE	Annually ensure that 100% of employees receive information about stormwater pollution.	1/1/15	An educational poster was created in 2015 and displayed in offices statewide to provide general awareness to employees on various BMPs that could be applied both at work and at home (Attachment 3).	✓	N/A	Continue to distribute educational material.
CD.15.b.i. Illicit Discharge Detection and Elimination (IDDE) Program Training	HAR-EE	Annually, train 100% of Marine Cargo Specialists, Police, and Grounds Supervisors on IDDE procedures.	1/1/15	30 individuals were trained in July and August 2015. The presentation slides and a summary of completed training quizzes are included in Attachments 9.a and 9.b respectively. This represents 100% of Harbors personnel to be trained in 2015.	✓	N/A	Continue to train on IDDE.

ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) PROGRAM							
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CD.15.b.ii. & iii. SWMP B.6.2. &3. Inspector Training	HAR-EE	Ensure that 100% of inspectors have received tenant and/or Outfall Reconnaissance Inventory (ORI) training.	1/1/15	2 personnel from DOT Harbors' consultant and one employee from DOT Harbors completed training for tenant inspections. This represents 100% of inspectors for 2015. The training presentations and rosters are available in Attachments 10.a, 10.b, and 10.c.	✓	N/A	Provide training to any new personnel.

V. Construction Site Storm Water Runoff Control

CONSTRUCTION SITE STORM WATER RUNOFF CONTROL							
MCM/BMP DESCRIPTION	**RESPONSIBLE DEPT. / SECTION**	**BMP APPLIED/ MEASURABLE GOAL(S)**	**BMP START DATE**	**YEAR 13 MILESTONES/PROGRESS ON GOAL(S)**	**COMPLETED IN 2015?**	**NEW OR REVISED GOAL**	**PLANNED ACTIVITIES FOR YEAR 14**
CD.17.a. City and County of Honolulu BMPs	HAR-EE	Ensure that City and County of Honolulu (CCH) BMPs are implemented for construction activities.	11/5/14	The CCH BMPs are referenced in the Construction manual. Further, during plan reviews and inspections, construction sites are evaluated to ensure they are following the CCH Construction BMP requirements.	✓	N/A	Continue implementing CCH BMPs.
CD.17.b.i. SWMP C – CSRCP Construction Inspections	HAR-EE / Construction Managers	Ensure 100% of construction inspections and enforcement actions are entered in a database.	1/1/15	The construction database inventory is included in Attachment 17. There were six active sites and 75 inspections during 2015. There were no enforcement actions other than recommendations documented in the inspection checklist and the majority of which were addressed while on-site.	✓	N/A	Continue tracking construction inspections and enforcement.
CD.17.b.ii. Temporary Erosion and Sediment Control Inspector	HAR-EE / Personnel Office	By 11/5/14, assign one temp. full-time position whose duties will include sediment and erosion control.	11/5/14	A Harbors engineer is currently assigned to this position.	✓	N/A	Inspector will continue to perform duties relating to temporary erosion and sediment control measures.
CD.17.b.iii. Permanent Erosion and Sediment Control Inspector	HAR-EE / Personnel Office	By 12/31/15, establish a permanent erosion and sediment control position and utilize consultants.	11/5/14	A permanent position for Erosion and Sediment Control Inspector has been authorized by the Legislature. Consultants are currently under contract to assist.		N/A	Establish and fill the position.

CONSTRUCTION SITE STORM WATER RUNOFF CONTROL							
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CD.17.b.iv. SWMP C – CSRCP Construction Plan Reviews	HAR-EE / Engineering Project Managers	Review 100% of construction projects for environmental requirements per the Construction Site Runoff Control Program.	1/1/15	1 tenant project and 27 DOT projects were reviewed in 2015, which represents 100% of projects requiring environmental review. (Attachments 18 and 19)	✓	N/A	Review construction plans.
SWMP C – CSRCP Review Checklist	HAR-EE	Ensure that 100% of projects are reviewed using the Construction Site Design Review Checklist.	1/1/15	Two of the projects reviewed were required to use the Construction Site Design Review Checklist	✓	N/A	Continue to review form where applicable.
SWMP C – CSRCP Less Than One Acre Forms	HAR-EE	Ensure that 100% of non-exempt projects that are less than one acre have submitted the form.	1/1/15	One DOT project reviewed (HC_10583) was required to use the Less Than One Acre Form, accounting for 100% of the non-exempt projects.	✓	N/A	Continue to review form where applicable.
SWMP C – CSRCP Review Documents	HAR-EE	Ensure that 100% of SWPPPs, NOIs, and discharge permits have been reviewed.	1/1/15	Project supporting documents are reviewed as a part of the standard review process. See CD.17.b.iv.	✓	N/A	Continue to review where applicable.
SWMP C – CSRCP Section 5.1	HAR-EE	Ensure 100% of contractors receive Construction BMP Field Manual	1/1/15	100% of contractors were provided with access to the BMP field manual on Harbor's website.	✓	N/A	Maintain BMPs on website.

CONSTRUCTION SITE STORM WATER RUNOFF CONTROL							
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CD.15.c. & d. SWMP C – CSRCP Section 5.1 Construction and Post-Construction Training	HAR-EE	Ensure that 100% of staff whose duties are related to construction or post-construction are trained by an instructor who is approved by EPA and HDOH.	1/1/15	Construction and post-construction training was provided to engineers, consultants, and contractors inspectors on 2/25/2015, 4/6/2015 and 4/9/2015 (Attachments 7.a and 7.b). Catch-up sessions were conducted on 5/4/2015 and 6/16/2015 by viewing a prepared training video. As a result, a total of 40 people were trained which represents 100% of the required individuals (Attachment 7.c).	✓	N/A	Conduct annual training.
SWMP C – CSRCP Section 5 Construction Training Materials	HAR-EE	Update training materials to reflect information about most frequently missed question on the previous year's quiz.	1/1/15	Survey results from 2014 indicated that training participants were most unclear about inspection frequency. The trainer used this information to emphasize this point during the 2015 live training events. Participants in the 2015 construction training received an average score of 91% and the most often missed question concerned non-point source pollutants. These topics will be highlighted in the future training sessions.	✓	N/A	Conduct annual training.
SWMP C – CSRCP Section 5.2	HAR-EE	Aim for a goal of 85% positive feedback about construction training from previous year.	1/1/15	One comment was received after the training and was addressed by HAR-EE personnel after the training session (Attachment 7.b).	✓	N/A	Improve feedback tracking system and continue to solicit feedback on training.

VI. Post-Construction Storm Water Management in New Development and Redevelopment

POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT							
MCM/BMP DESCRIPTION	**RESPONSIBLE DEPT. / SECTION**	**BMP APPLIED/ MEASURABLE GOAL(S)**	**BMP START DATE**	**YEAR 13 MILESTONES/PROGRESS ON GOAL(S)**	**COMPLETED IN 2015?**	**NEW OR REVISED GOAL**	**PLANNED ACTIVITIES FOR YEAR 14**
CD.18.a.i.,- iii. SWMP 2.5.1. Retrofit Project Inventory	HAR-EE	By 5/4/15, create an inventory of construction projects from 5/19/03 and rank them according to retrofit potential.	11/5/14	An inventory of projects was completed and evaluated for retrofit potential.	✓	N/A	None.
CD.18.a.iii. Retrofit Feasibility Scope	HAR-EE	By 8/2/15, draft a scope of the retrofit feasibility study and submit it to EPA and DOH for approval.	11/5/14	The Retrofit Feasibility Study Scope was submitted to EPA in early August 2015. The EPA responded via letter dated December 3, 2015, that they required additional details. Harbors has requested an extension of 60 days from the date of EPA's concurrence to prepare the more detailed scope.	✓	Within 60 days of the receipt of EPA's comments and approval, submit a detailed retrofit feasibility study scope for approval.	Prepare and submit more detailed scope.
CD.18.a.iii. SWMP E Final Retrofit Study	HAR-EE	240 days after EPA and DOH's approval, complete the final retrofit study.	N/A	No work conducted this year. Work will commence once the Retrofit Feasibility Scope is approved.		N/A	Upon receipt of EPA approval, perform permanent BMP Retrofit Feasibility Study.
CD.18.a.iv. SWMP 2.5.1. Retrofit Construction	HAR-E	Four years after approval of Retrofit Feasibility Study, the construction will commence for the 3 highest ranked projects.	N/A	No work conducted this year. Retrofit projects will be identified and designed upon completion & approval of the Retrofit Feasibility Study.		N/A	None.

POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT							
MCM/BMP DESCRIPTION	**RESPONSIBLE DEPT. / SECTION**	**BMP APPLIED/ MEASURABLE GOAL(S)**	**BMP START DATE**	**YEAR 13 MILESTONES/PROGRESS ON GOAL(S)**	**COMPLETED IN 2015?**	**NEW OR REVISED GOAL**	**PLANNED ACTIVITIES FOR YEAR 14**
CD.18.b.i. Permanent BMP Plan Review	HAR-EE	Review 100% of applicable construction projects using the Post-Construction BMP Plan Checklist.	1/1/15	1 tenant project and 2 DOT projects were reviewed in 2015, which represents 100% of projects requiring environmental review. (Attachments 17 and 18)	✓	N/A	Continue to conduct plan reviews.
CD.18.c. BMP Standards	HAR-EE	Adopt technical standards that govern permanent BMPs.	11/5/14	All City and County BMPs have been adopted in Harbors SWMP.	✓	Completed.	None.
CD.18.f.i. Harbors Project O&M Documents	HAR-EC / HAR-EE	Ensure 100% of Harbors projects with permanent BMPs have an O&M plan, monitoring plan where applicable, and ongoing maintenance.	1/1/15	2 Harbors projects reviewed have included O&M procedures, which represents 67% of Harbors projects with permanent BMPs.		N/A	Develop O&M plan & schedule in Cityworks AMS for the two projects with O&M procedures. Request O&M procedures from contractor for 3rd project for uploading to AMS. Continue to review plans for permanent BMPs.
CD.18.f.i. Tenant Project PBMP Maintenance	HAR-PM / HAR-EE	Ensure 100% of tenant projects with permanent BMPs have updated leases requiring an O&M plan.	1/1/15	No tenants projects reviewed need to include O&M plan.	N/A	N/A	Continue to review tenant projects for permanent BMPs.

POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT							
MCM/BMP DESCRIPTION	**RESPONSIBLE DEPT. / SECTION**	**BMP APPLIED/ MEASURABLE GOAL(S)**	**BMP START DATE**	**YEAR 13 MILESTONES/PROGRESS ON GOAL(S)**	**COMPLETED IN 2015?**	**NEW OR REVISED GOAL**	**PLANNED ACTIVITIES FOR YEAR 14**
CD.18.f.ii. PBMP Inspections by Tenants	HAR-EE / Tenants	Ensure 100% of required annual PBMP inspections are conducted by tenants and reported to Harbors.	1/1/15	No tenant projects were tasked with this requirement in 2015.	N/A	N/A	Continue reviewing tenant projects for permanent BMPs and require tenant inspections and reporting when found.
CD.18.d.& g. PBMP Inspections by Harbors	HAR-EE / Construction Managers	Conduct permanent BMP inspections prior to, during, and upon completion of permanent BMP installation. Once installed conduct annual inspections and enforcement actions where necessary.	1/1/15	Six permanent BMP inspections were conducted in 2015 No enforcement actions were necessary. One project on Pier 29 included trench drains with filtration products installed in 2012. The contractor provided an O&M manual and all filters were changed in June of 2015 (Attachment 20).	✓	N/A	Continue inspections where necessary.
CD 18.g.ii. Enforcement Records	HAR-EE	Ensure that 100% of enforcement actions are recorded in the project database.	1/1/15	There were no enforcement actions relating to permanent BMPs in 2015.	N/A	N/A	Record enforcement as necessary.
CD.18.e. Permanent BMP Database	HAR-EE	Ensure 100% of post-construction BMP inspections are included in a database compatible with GIS.	1/1/15	An inventory is included in Attachment 20. DOT Harbors started tracking permanent BMPs using AMS in November of 2015.	✓	N/A	Update the inventory as necessary.

VII. Pollution Prevention and Good Housekeeping

POLLUTION PREVENTION AND GOOD HOUSEKEEPING							
MCM/BMP DESCRIPTION	**RESPONSIBLE DEPT. / SECTION**	**BMP APPLIED/ MEASURABLE GOAL(S)**	**BMP START DATE**	**YEAR 13 MILESTONES/PROGRESS ON GOAL(S)**	**COMPLETED IN 2015?**	**NEW OR REVISED GOAL**	**PLANNED ACTIVITIES FOR YEAR 14**
CD.20. Storm Sewer System Operation and Maintenance	HAR-O & HAR-E	By 12/5/14, submit a Storm Sewer System Operation and Maintenance Program (SSS O&M) to DOH and EPA.	11/5/14	The SSS O&M plan was submitted to DOH and EPA for review in 2014; however it was not accepted based on the exclusion of an AMS. Harbors is compiling a draft to include an AMS.	✓	N/A	Revise and resubmit the SSS O&M Plan to include an AMS by June 30, 2016.
CD.20.a. Storm Sewer System Mapping	HAR-EE / HAR-EP	Within 180 days of Army Corps of Engineers (ACOE) development of a GIS layer, create a map that identifies all storm drainage features.	1/1/15	Completed. In 2015, the USACE continued to add and refine SSS map features. Additionally, Harbors environmental engineering consultant (Weston Solutions, Inc.) conducted field work (kayak surveys, CCTV surveys and diving surveys) in November and December 2015 to fill in and correct 'data gaps' that remained in the original USACE version.	✓	Update storm drain maps as necessary.	Update SSS map as needed with new project information and other findings from field personnel and other sources.
CD.20.b. Asset Management System	HAR-EE / HAR-EP	Within 180 days of ACOE map completion, implement an asset management system (AMS).	11/5/14	In 2015, Harbors contracted with an AMS consultant team to design, configure, demonstrate, test and deploy a cloud-based, GIS-centric Cityworks AMS for the Honolulu and Kalaeloa BP Harbors stormwater system assets. Training was provided to 30 Harbors personnel with essential roles in stormwater O&M and management. A live Cityworks AMS demonstration was presented to EPA and DOH on December 7, 2015.	✓	N/A	Continue to implement the Cityworks AMS for stormwater management. The target for full implementation is June 30, 2016.

POLLUTION PREVENTION AND GOOD HOUSEKEEPING							
MCM/BMP DESCRIPTION	**RESPONSIBLE DEPT. / SECTION**	**BMP APPLIED/ MEASURABLE GOAL(S)**	**BMP START DATE**	**YEAR 13 MILESTONES/PROGRESS ON GOAL(S)**	**COMPLETED IN 2015?**	**NEW OR REVISED GOAL**	**PLANNED ACTIVITIES FOR YEAR 14**
CD.20.c. Storm Drain Inspections	HAR-O	Complete storm drain inspections as described in the SSS O&M plan and record 100% in database.	1/1/15	All accessible storm drain inlets and trench drains were inspected and cleaned in 2015 by a Harbors contractor. Inspection findings and cleaning results were recorded in the Harbors GIS mapping system.	✓	N/A	Starting in 2016, screening inspections of all storm drains will be continue to record inspections.
CD.20.d. Storm Drain Cleaning	HAR-O	By 8/2/15, clean all inlets, pipes, and outfalls. Then ensure structures are cleaned at least every five years and more frequently for "hot spots." Ensure 100% of hot spots include BMPs.	1/1/15	All accessible drainage features were cleaned in 2015. Approximately 121 tons of debris were removed from storm drains.	✓	N/A	Schedule and clean storm drains found to contain debris during screening and comprehensive inspections. Schedule cleaning in accordance with the SSS O&M Manual provisions.
CD.20.d.ii. Rail Track Cleaning	Kalaeloa Barbers Point Harbor Tenants / HAR-OCB	Ensure that tenants develop and implement a cleaning schedule for the rail tracks.	1/1/15	The Kalaeloa Barbers Point Harbor District personnel ensure that the tenants have completed rail cleaning on a regular basis, after each loading/unloading operation.	✓	N/A	Ensure that tenants continue to clean rails.
SWMP BMP 7-2. Wash Racks	HAR-EE	Review 100% of applications for wash rack use.	1/1/15	There were no washing applications received in 2015.	N/A	N/A	Continue to review applications as received.
SWMP BMP 7-2. Dry Wells	HAR-EE	Review 100% of applications for dry wells and/or infiltration sinks.	1/1/15	No applications received in 2015.	N/A	N/A	Continue to review applications as received.

PART IV --- SUMMARY OF INFORMATION COLLECTED AND ANALYZED

Information collected and analyzed is included as attachments on CD, including the following:

Public Education, Outreach, and Involvement

1. Newspaper Advertisement Soliciting Comments on Updated SWMP
2. Newspaper Advertisement Describing Harbors Pollution Prevention Efforts
3. Harbors Employee Poster
4. Pet Care Fact Sheet
5. Adopt-A-Harbor Packet and Waste Removal Statistics

Training

6. Tenant Training
    a. Notice Letter
    b. Presentation Slides
    c. Sign-In Sheets
    d. Tenant Environmental Manager of the Year (TEMY) Award Letter and Plaque
    e. Feedback Summary
    f. Questionnaire Results
7. Construction and Post Construction Training
    a. Presentation Slides
    b. Quizzes and Sign-In Sheets
    c. Summary of Survey Results
8. Harbors Employee Survey and Summary of Results
9. IDDE Training
    a. Presentation Slides
    b. Summary of Results and Completed Surveys
10. Inspector Training
    a. Tenant Inspection Manual (TIM) Presentation Slides
    b. Outfall Reconnaissance Inventory (ORI) Presentation Slides
    c. TIM and ORI Training Results

Illicit Discharge Detection and Elimination

11. Tenant Inventory, Risk Rank and Inspection Summary
12. Outfall Prioritization
13. Dry Weather ORI Forms
14. Wet Weather ORI Forms
15. Tenant Illicit Discharges Investigations
16. SHOT Form IDDE Investigations

Construction / Post-Construction

17. Active Construction Projects Inventory and Inspection Summary
18. Tenant Projects Review Inventory
19. DOT Projects Review Inventory
20. Post-Construction BMPs Inventory and Inspection

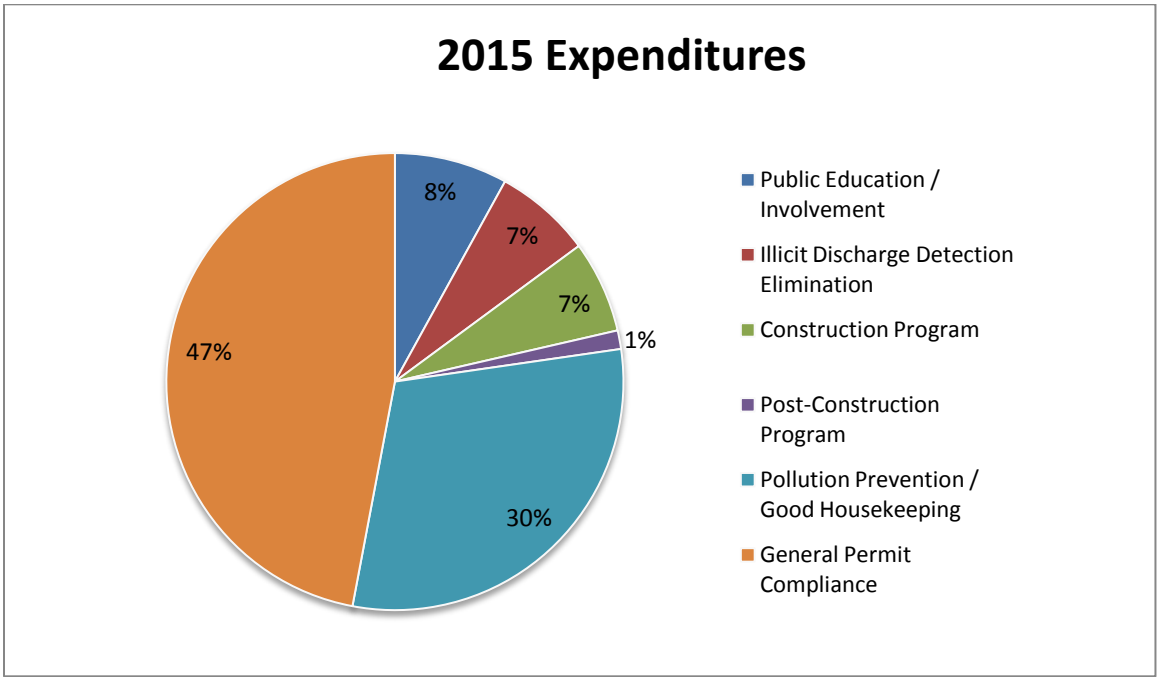
Please note that the Harbor maps with storm drain assets as well as cleaning and inspection data are available on the Harbors GIS system. (http://www.arcgis.com/home/). Please contact Harbors at (808) 587-1962 for access as deemed necessary.)

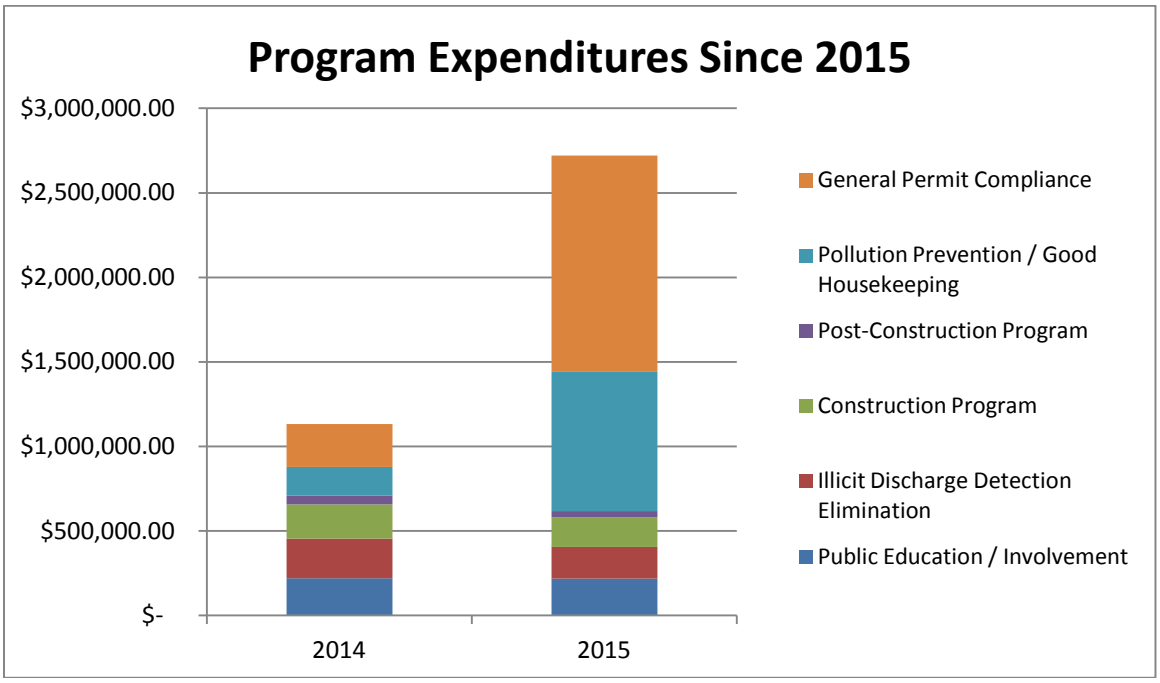
PART V --- PROGRAM OUTPUTS & ACCOMPLISHMENTS

1. Programmatic

	PREFERRED UNITS	RESPONSE
Office of Environmental Compliance created/staffed	(y/n)	Y
Annual program budget/expenditures* ('Best efforts' estimates of 2015 expenditures)		
▪ Public Education and Outreach & Public Participation and Involvement Program expenditures	($)	$217,905
▪ Illicit Discharge / Illegal Connection BMP Program expenditures	($)	$187,170
▪ Construction Site Runoff Control expenditures	($)	$177,252
▪ Post-Construction Storm Water Management in New Development and Re-development Programs expenditures**	($)	$35,794
▪ Pollution Prevention and Good Housekeeping BMP Program expenditures	($)	$823,297
▪ General Permit Compliance expenditures	($)	$1,279,505
▪ Program Total Expenditures	($)	$2,720,923
Funding mechanisms(s) - (Routine Maintenance Fund, Special Maintenance, Major Maintenance, Service Project, Equipment Acquisition, Capital Improvement Project)	($)	Routine and Special Maintenance Funds, CIP

Notes: Data is from the 2015 calendar year.
*Expenditures from Harbors employees have been approximately based on the estimated percentage of time that they worked on stormwater related tasks.
**Permanent BMP plan reviews and inspections are accounted for under the Construction Site Runoff Control category since they are completed in conjunction with construction related tasks.





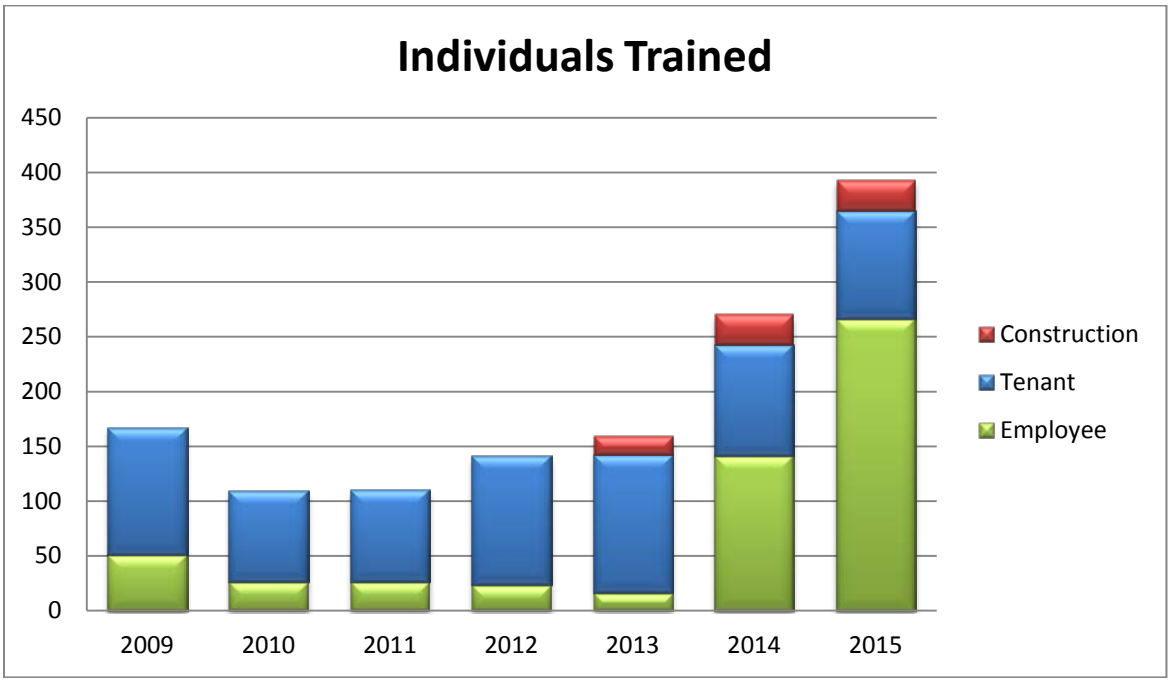
Data Analysis

The totals represented above represent funds spent on several consultant contracts as well as an estimate of time spent by Harbors employees to ensure compliance with the conditions of the Consent Decree and the NPDES permit. The two areas of the program which used the most funds in 2015 was the pollution prevention program as well as general permit compliance. As a part of the pollution prevention program, Harbors contracted Weston Solutions, Inc. to inspect and clean Harbor storm drains and to assist with filling in data gaps in the GIS storm drain maps originally created by the USACOE. The amount of funding spent in this program is as expected for the first round of cleaning on the storm drain system. Harbors expects that expenses in this area to decrease as the storm drain systems gather less debris. The expenses in the general permit compliance category are associated with the contract spent to design and implement the AMS system. There was a lot of time spent in the later part of 2015 to ensure that the tool would be beneficial and aid in meeting the environmental requirements. This also explains the overall increase in resources used from 2014 to 2015. Now that the programs and AMS are being implemented, Harbors expects that the amount of funds needed to maintain compliance may drop in the coming year. Overall the funds expended in 2015 were adequate to address current needs.

2. Education, Involvement, and Training

	PREFERRED UNITS	RESPONSE
Estimated number of people reached by education program(s)*	(# or %)	393
▪ Tenant General Stormwater BMP Training	(# or %)	99 (81.71%)
▪ Employee Stormwater Training	(# or %)	237 (82.7%)
▪ Construction & Post-Construction Training	(# or %)	28
▪ IDDE	(# or %)	26
▪ New Inspectors	(# or %)	3
Average score on the environmental knowledge survey:	(%)	
▪ Tenant Stormwater Training	(%)	93.6
▪ Employee Survey	(%)	93.2
▪ Construction Inspector and Plan Reviewer Training	(%)	91.25
Tenants who had positive view of the training	(%)	92
Visitors to the website	(#)	1,128
Adopt-A-Harbor volunteers	(#)	17
Public Education Signs	(#)	79
Storm Drain Inlets Stenciled	(#)	487
"Protect Our Water Conference" Attendees	(#)	352

Notes: Data is from the 2015 calendar year.
*Some individuals may have been trained at two or more of the training sessions; however, they were counted separately.



Harbors has continued significant efforts into public education and training in 2015. Reiteration of the environmental requirements, Harbors stormwater procedures, and best management practices is the best way to create a culture of compliance. The large number of people trained and their high quiz scores attest to the effectiveness of the training program.
Additionally, Harbors participated in the joint DOT "Protect Our Water Conference" on

November 4, 2015. Along with DOT-Highways and DOT-Airports, Harbors provided training sessions regarding the program's efforts to reduce stormwater pollution, as well as it maintained a booth where participants were able to interact directly with Harbors personnel. The conference highlighted the joint effort that the three DOT divisions are taking to collectively protect the water resources of Hawaii.

3. Legal/Regulatory

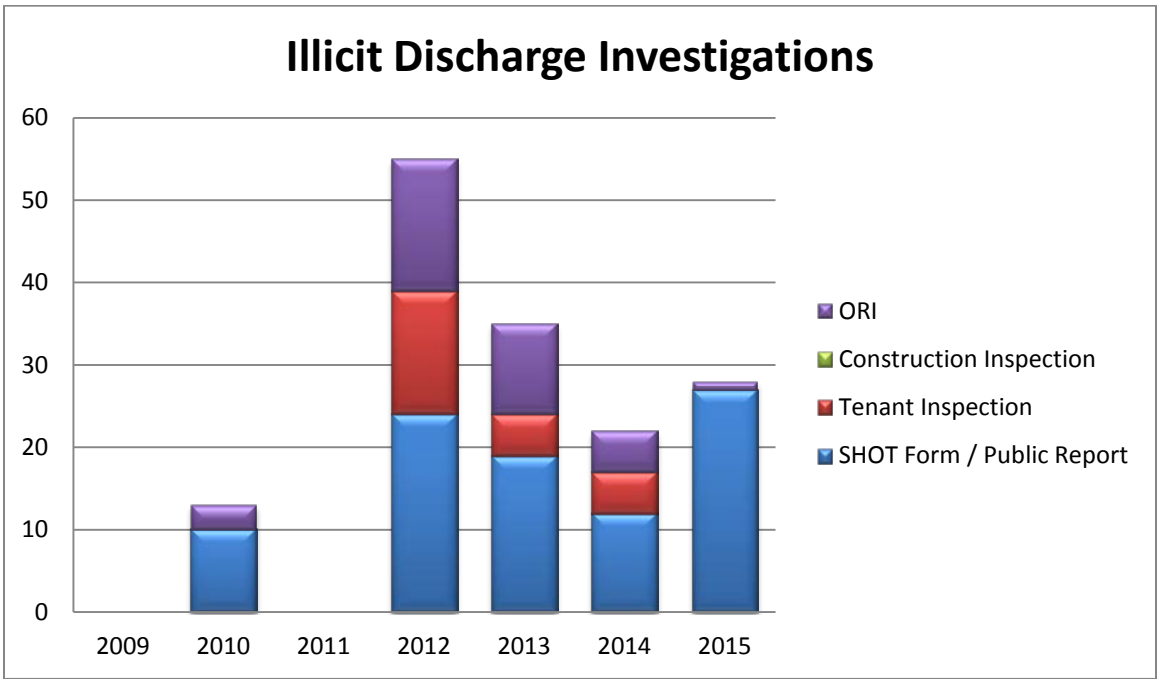
	IN PLACE PRIOR TO PHASE II	REVIEWING EXISTING AUTHORITIES	DRAFTED	DRAFT IN REVIEW	ADOPTED
Regulatory Mechanism Status (indicate with check)					
▪ Illicit Discharge Detection & Elimination	✓				
▪ Construction and Construction Related Activities					✓
▪ Post-Development Storm Water Management					✓
Accompanying Regulation Status (indicate with check)					
▪ Illicit Discharge Detection & Elimination	✓				
▪ Construction and Construction Related Activities	✓				
▪ Post-Development Storm Water Management	✓				

4. Mapping and Illicit Discharges

	PREFERRED UNITS	RESPONSE
System-wide mapping complete (complete storm sewer infrastructure)	(%)	100
Mapping method(s)		
▪ Paper	(%)	70
▪ GIS	(%)	100
Outfalls required to be inspected/screening	(# or %)	100%
▪ Honolulu Harbor	(#)	5
▪ Kalaeloa Barbers Point Harbor	(#)	0
Illicit discharges investigated in 2015	(#)	28
▪ SHOT Forms / Public Reports	(#)	27
▪ Tenant Inspections	(#)	0
▪ Construction Inspections	(#)	0
▪ Outfall Reconnaissance	(#)	1
Illicit discharges investigated since 2010	(#)	155
% of population on sewer	(%)	100
% of population on septic systems	(%)	0
Complaints/concerns received from public	(#)	0

Notes: Data is from the 2015 calendar year.

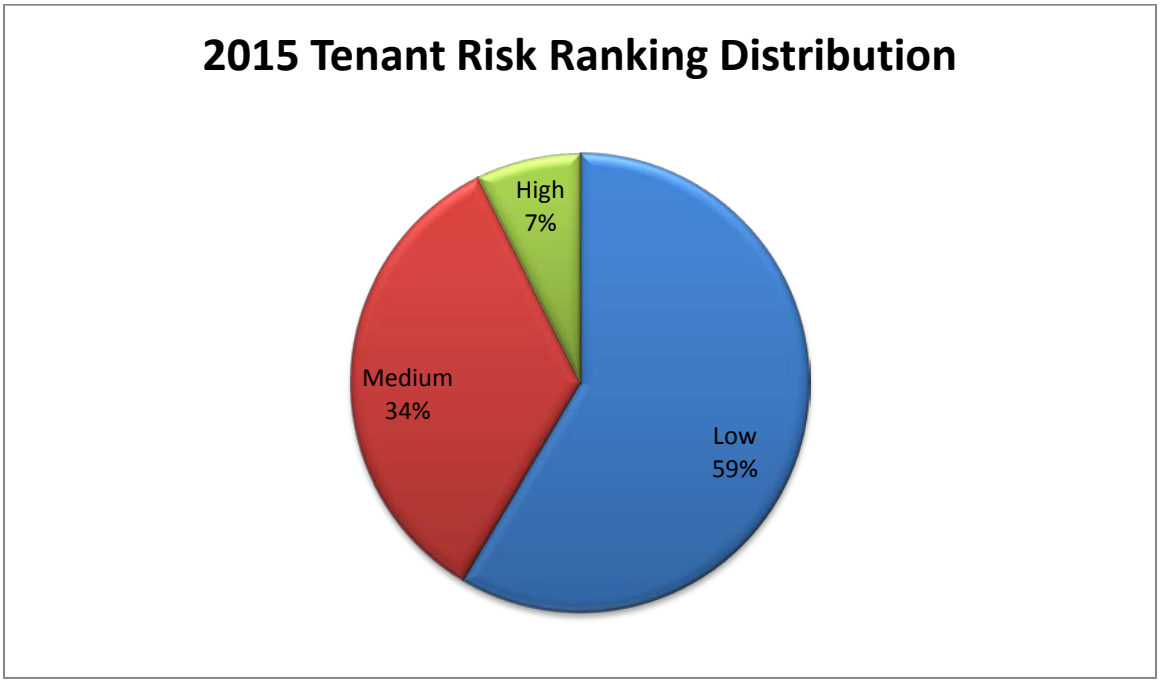
A significant number of discharges were identified and investigated at the Harbor in 2015. In fact, three instances lead to the implementation of enforcement procedures via written letters. However, these were resolved after Harbors educated and worked with the responsible party. The vast majority of the notifications in 2015 came from calls made to the Harbors Control Tower, which verifies that the training provided is effective and that people are beginning to notice and take action when potential pollution is observed.



5. Harbors Tenants

	PREFERRED UNITS	RESPONSE
Total Tenants	(#)	82
▪ Low Risk Rank	(#)	48
▪ Medium Risk Rank	(#)	28
▪ High Risk Rank	(#)	6
Number of Tenant Inspections	(#)	91
▪ New	(#)	2
▪ Regular	(#)	44
▪ Final	(#)	2
▪ Site Reconnaissance	(#)	43
Number of Enforcement Actions	(#)	3

Notes: Data is from the 2015 calendar year.

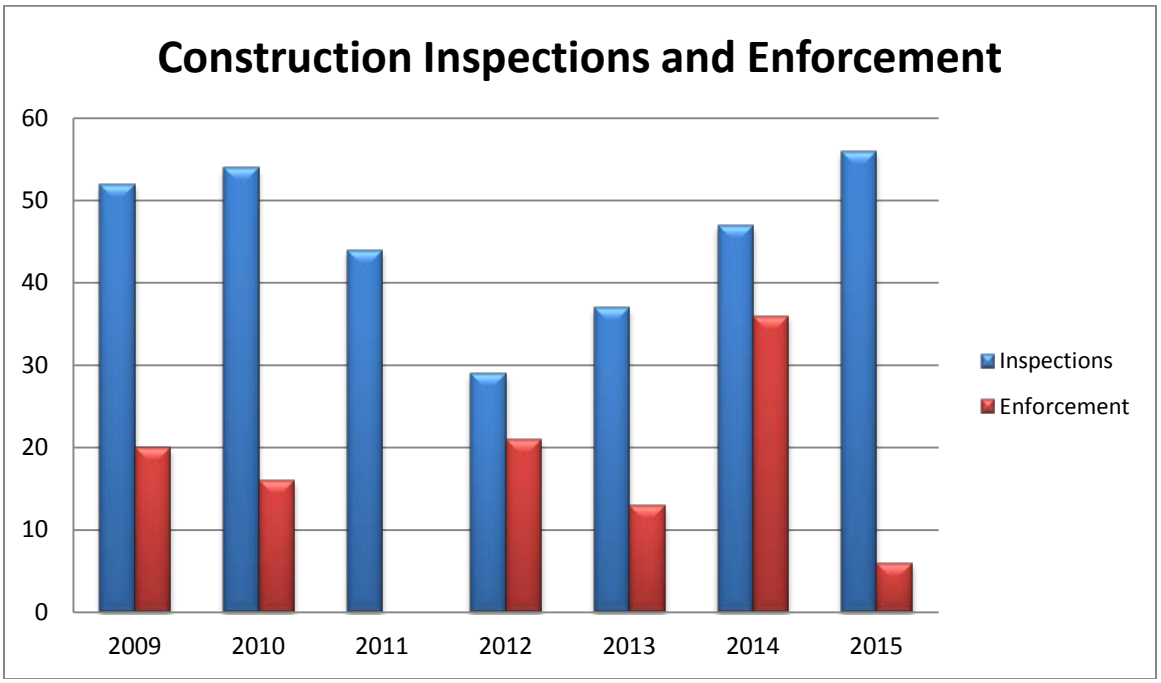


The risk ranking for tenants remained fairly consistent with rankings performed in 2014. This is consistent with the fact that the majority of tenants at Honolulu and Kalaeloa Barbers Point Harbors conduct small scale operations. This year's site reconnaissance inspection for low ranked tenants did not identify any instances of follow-up inspection. There were three enforcement actions this year and all related to the improper management of non-stormwater flows. Enforcement actions appeared to be related to historical fishing practices; however, Harbors devoted attention to increasing public awareness on non-stormwater flows to serve as a reminder to protect our harbor water quality.

6. Construction

	PREFERRED UNITS	RESPONSE
Total number of construction plan reviews	(#)	28
▪ DOT	(#)	27
▪ Tenant	(#)	1
Total number of plan reviews requiring NGPC	(#)	4
Number of Harbors active construction sites	(#)	6
▪ DOT	(#)	4
▪ Tenant	(#)	1
▪ Others (e.g., CCH)	(#)	1
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	100%
Site inspections completed	(# or %)	56
Enforcement actions	(# or %)	6
▪ Written warning	(#)	6
▪ Notice of Apparent Violation (NAV)	(#)	0
▪ Issuance of stop work order and summons/citations	(#)	0
▪ Referral to DOH	(#)	0
▪ Fines collected	(# and $)	0

Notes: Data is from the 2015 calendar year.



The number of inspections increased from 2014 to 2015. This trend has continued since 2012, which had the lowest amount of inspections for all reported years. During 2015, the DOT Harbors stormwater program experienced the least amount of enforcement actions taken with 6, a decrease of 83% from the year before.

7. Post-Development Storm Water Management

	PREFERRED UNITS	RESPONSE
Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	100%
Number of new permanent BMPs	(#)	1
Site inspections (for proper BMP installation & operation) completed	(# or %)	7
BMP maintenance required through lease agreements, due diligence & property covenants, right of way/easements, etc.	(y/n)	Y

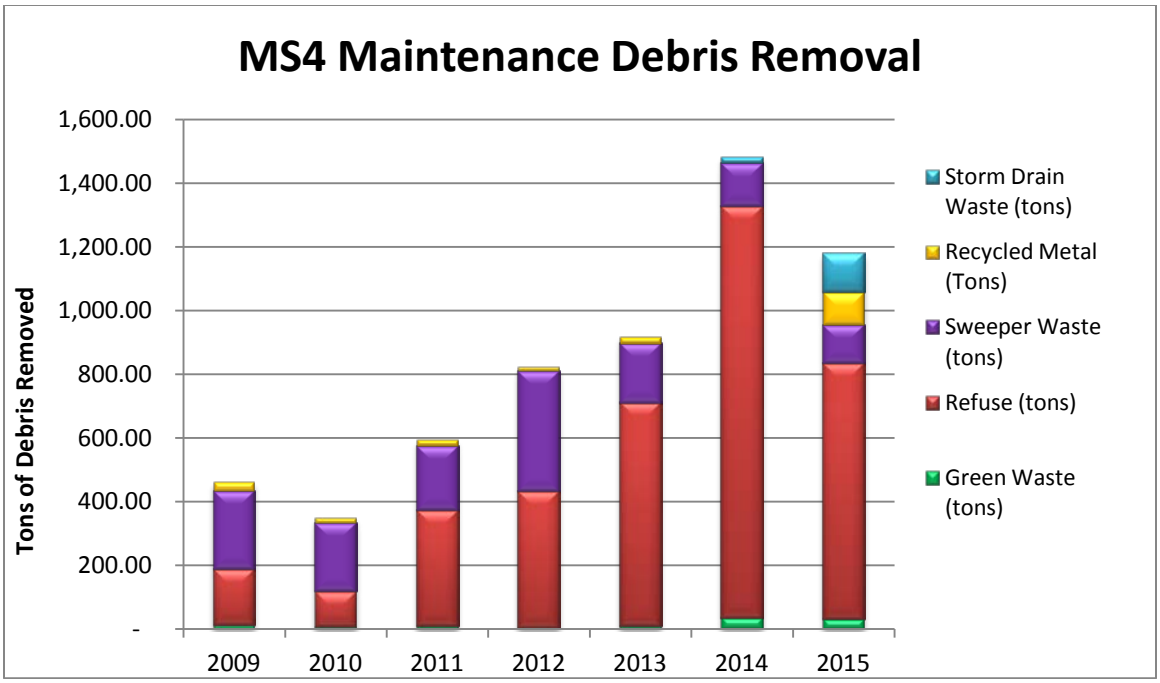
Notes: Data is from the 2015 calendar year.

8. Operations and Maintenance

	PREFERRED UNITS	RESPONSE
Average frequency of catch basin cleaning	(times/year)	1
Number of storm drain cleanings	(#)	65
Quantity of screenings/debris removed from storm sewer infrastructure	(lbs or cubic feet)	241,609
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.)	(location)	Landfill (H-Power if wood)
Cleaning Equipment		
▪ Vacuum truck(s) owned/leased by Harbors	(#)	0
▪ Vacuum trucks specified in contracts	(y/n)	Y
▪ % Structures cleaned with vacuum	(%)	100
▪ % Structures cleaned with manual labor	(%)	0
Sweeping Equipment		
▪ Rotary brush street sweepers owned/leased	(#)	4
▪ Vacuum street sweepers owned/leased	(#)	0
▪ Vacuum street sweepers specified in contracts	(y/n)	N
Average frequency of street sweeping	(times/week)	2
Quantity of sand/debris collected by sweeping	(lbs. or tons or cubic volume)	121 tons
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	Landfill
Abandoned Items Disposed		
▪ Green Waste	(tons)	33
▪ Refuse	(tons)	802
▪ Used Batteries	(#)	23
▪ Electronic Waste	(#)	80

Notes: Data is from the 2015 calendar year.

The storm drain cleaning generated the majority of wastes removed in 2015. However, volunteer activities, such as Adopt-A-Harbor also played a key role in keeping the Harbor clean and preventing stormwater pollution.



The amount of overall debris collected declined from the previous reporting period. This was due mostly to the amount of refuse that was collected. The decrease in debris removed seen in the figure suggests that behavior relating to debris control is improving. An area to note is the amount of storm drain waste that was collected. Nearly 100 more tons were collected in 2015 than 2014, suggesting that cleaning actions were more effective in 2015 than in 2014.

Attachment 1

Newspaper Advertisement Soliciting Comments on Updated SWMP

Public Notice Public Notice Public Notice

PUBLIC NOTICE

Notice of Availability for the 2015 Stormwater Management Plan

For Honolulu Harbor and Kalaeloa Barbers Point Harbor

The Hawaii Department of Transportation, Harbors Division has published its 2015 Stormwater Management Plan (SWMP) for Honolulu Harbor and Kalaeloa Barbers Point Harbor, Oahu, Hawaii. The purpose of the 2015 SWMP is to support Harbors' vital ocean commerce role by ensuring that environmental requirements stipulated in its 2014 Consent Decree with the U.S. Environmental Protection Agency and the Hawaii State Department of Health are met along with applicable provisions of the Hawaii Administrative Rules. The 2015 SWMP defines specific programs needed to operate, maintain and manage both stormwater systems to include illicit discharge detection and elimination, construction site runoff control, post-construction stormwater management, and pollution prevention/good housekeeping. Programs affecting Harbors Division employees, tenants of the Harbors Division, vessel owners and operators at the harbors, and the community are also addressed.

The public is invited to provide comments in writing during the 45-day public comment period for the 2015 SWMP between February 3, 2015 and March 19, 2015. To download a copy of this document please visit: http://hidot.hawaii.gov/harbors/files/2013/01/HDOT-Harbors-SWMP-Jan-2015.pdf.

Please provide comment(s) during the public comment period via email to Ying.J.Zhang@hawaii.gov or via mail to:

State of Hawaii, Dept. of Transportation, Harbors Division
Engineering Branch, Environmental Section
Hale Awa Ku Moku Building
79 South Nimitz Highway
Honolulu, HI 96813-4898

Harbors Division appreciates the importance of community participation and will review and consider all comments received before finalizing the 2015 SWMP.
(SA718770 2/6, 2/7, 2/8/15)

11. Bill 83 (2014) and any a
on Budget - Relating
property tax exemption
services.)

12. Bill 1 (2015) and any a
on Budget - Relating
income rental housing. (
that are used as low-incoi

13. Bill 2 (2015) and any a
on Budget - Relating
(Repealing Article 64
Employment Benefits Rei

Persons wishing to speak a
Council Speaker Registratio
testimony-form.html, or by s
your name, phone number a
Testimony is limited to thr
speaker only. Written testim
Internet at http://www.ho
written testimony, you are
requested to register to spea

On-line and fax registration
list of registered speakers.
a.m. will be given an o
following the registered
additional speakers are cal

Copies of the items listed
Room 203, Honolulu Hale o

Accommodations are availa
768-3825 or send an email
the meeting.

(SA719513 2/7/15)

Attachment 2

Newspaper Advertisement Describing Harbors Pollution Prevention Efforts

U.S. residents rarely die from Q fever. Three or four deaths are reported in the worst years.

Associated Press

WEATHER

OAHU'S 3-DAY FORECAST

TODAY — Periods of sun, showers.

TUESDAY — Periods of sun, showers.

WEDNESDAY — Partly sunny. Wind NNE

Istanbul	79/66/s	Singapore	88/76/t
Jakarta	93/75/s	Stockholm	54/36/pc
Jerusalem	79/60/s	Sydney	91/65/s
Johannesburg	89/62/s	Tahiti	80/73/r
Kabul	78/49/s	Taipei	90/77/pc
London	66/57/sh	Tokyo	68/58/pc
Madrid	75/57/t	Toronto	61/50/c
Manila	88/78/t	Vancouver	65/47/pc

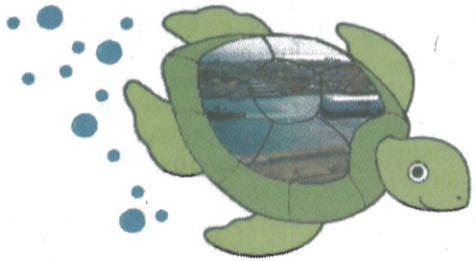
Showers, Rain, Thunderstorms, Snow, Flurries, Ice

Hurricane, Cyclone, Tropical Storm, Tropical Depression, Rain Storm

s: sunny pc: partly cloudy c: cloudy sh: showers t: thunderstorms r: rain sf: snow flurries sn: snow i: ic

AccuWeather.com FORECASTS AND GRAPHICS PROVIDED BY ACCUWEATHER INC. ©2015

HAWAII DOT HARBORS DIVISION WORKING TO IMPROVE WATER QUALITY



In 2015, HDOT Harbors Division has focused on preventing storm water pollution through a variety of efforts, including:

- Removed **more than 120 tons** of debris during storm drain cleaning.
- Updating Harbors' Oahu storm drainage system map with the assistance from U.S. Army Corps of Engineers.
- Adopt-A-Harbor program—*to volunteer, please contact Captain Ian "Jeff" Lansdown at 230-0940.*

UPCOMING EVENT

Protect Our Water Conference, November 4, 2015.
This will be the first joint training session for Harbors, Highways, and Airports division contractors. Information will include how to design and construct projects in accordance with HDOT policies and environmental regulations. To attend, please contact your Harbors Project Manager or Mr. Randal Leong, Harbors Environmental Section at randal.leong@hawaii.gov.

MĀLAMA I KE KAI
PROTECT OUR HARBOR WATERS
Harbors Storm Water Hotline: (808) 587-2076
http://hdot.hawaii.gov/harbors/library/storm-water-management/

Attachment 3

Harbors Employee Poster

Hawaii Department of Transportation Harbors Division
Storm Water Management Tips
Mālama i ke kai–Protect Our Harbor Waters

The State of Hawaii Department of Transportation (HDOT) Harbors Division (Harbors) is responsible for managing storm water conveyed through Municipal Separate Storm Sewer Systems (MS4) to the harbor as a result of National Pollutant Discharge Elimination System (NPDES) permits for the Honolulu Harbor, Kalaeloa Barbers Point Harbor, and Kahului Harbor.

The Harbors Environmental Section has been designated to oversee the implementation of Storm Water Management Program (SWMP) and the November 2014 Consent Decree requirements.

Storm water is normally untreated and has the potential to impact our near shore ecosystems. Storm water conveys sediment, nutrients, and other pollutants to the ocean or other receiving waters and can starve corals of necessary UV light, clog the gills of aquatic wildlife, and cause harmful algae growth. As a Harbors employee, you are a critical part in helping prevent storm water pollution from entering our near shore ecosystems.

This poster outlines actions that you can do to promote good stewardship of our local environment. Many of the suggestions on this poster will improve the quality and reduce the quantity of storm water runoff entering the ocean, and maybe save you time and money as well!

Visit the Harbors Stormwater website for more information:
http://hidot.hawaii.gov/harbors/library/storm-water-management/

Environmental Policy

HDOT aims to be a leader in environmental efforts as reflected in the Director of Transportation's environmental policy. The policy is summarized with the acronym COP:

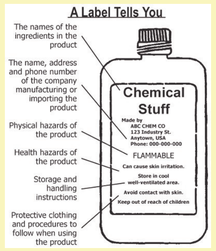
C - Continual improvement
O - Obey all laws
P - Prevent pollution

Garage / Storage Area

Proper Chemical Storage / Waste Management

A well organized chemical storage area can help prevent storm water pollution. The structural integrity of containers for potentially hazardous materials such as cleaning agents, lubricants, herbicides, pesticides and fuels can be compromised over time. Some tips to follow:

- Organize your chemical storage area. Make a list of the chemicals and their expiration dates, and keep it nearby.
- Discard out-of-date or unneeded chemicals.
- Inspect containers for structural integrity. If the container is rusty, cracked, or weak and the chemical is still needed, transfer the material into a new container and label it with the chemical name, transfer date, and expiration date.
- Store chemical containers under cover to limit exposure to rainfall. If possible, place containers in secondary containment.



Check with your County for advice on how to dispose of unwanted chemicals. If possible, recycle rather than discard. Additionally, all Counties host household hazardous wastes pick-ups. Information for each county are listed below:

- **Oahu** - http://www.opala.org/solid_waste/Household_Hazardous_Waste.html
- **Maui** - http://www.mauicounty.gov/index.aspx?NID=771
- **Hawaii** - http://www.recyclehawaii.org/household-hazardous-waste.html
- **Kauai** - http://www.kauai.gov/Government/Departments/PublicWorks/SolidWaste/RecyclingPrograms/HazardousWaste/tabid/114/Default.aspx

Vehicle Washing

Detergents and degreasers typically contain high levels of phosphorous which in high concentrations can be harmful to the environment. Wash your vehicles at a commercial wash facility where wash water is treated and recycled. If you wash your car at home, try to park on a grassy area to infiltrate the wash water or try a waterless car washing technique.

Choosing an environmentally friendly detergent will help limit the amount of pollutants entering the storm drain system and ultimately our near shore ecosystems. If you patronize a charity car wash, ensure that they use an environmentally friendly detergent. Some examples include:

- Simple Green Wash & Wash Non-Toxic.
- Green Earth Tech. Car Wash.
- G-CLEAN Car Wash.
- Gliptone Wash N' Glow.
- Eco Touch Waterless Wash.

Managing Nutrients

Nutrients are essential for healthy plant growth and a vibrant garden. However, over application of fertilizers will cause excess nutrients such as nitrogen (N) and phosphorous (P) to be carried into our aquatic ecosystems which may promote problematic algae growth.

Try to limit the use of fertilizers to an as-needed basis, and during application closely follow the instructions. Check the weather and do not apply prior to a rain event. Ensure fertilizer stays where you put it by only applying it on level ground or by filling it into the soil.

Managing Pests

Unwanted pests and insects can be a nuisance in our homes. Pesticides and insecticides have the potential to get washed down into the storm drain and adversely affect aquatic inhabitants.

Some alternatives include:

- Removing them by hand.
- Planting pest-resistant / tolerant species.
- Using beneficial insects such as ladybugs, praying mantises, or ground beetles which prey on typical pests.

Landscape BMPs

Rain Gardens

When rain hits hard surfaces and is conveyed through our storm drainage system, it does not have a chance to infiltrate and recharge our aquifers. Rain gardens are a type of low impact development that help address this issue as they treat storm water, add aesthetics, and support native plants.

HDOT, Highways Kakoi Street Baseyard

Rain gardens, or bioretention systems, are engineered systems that capture, filter, and infiltrate stormwater. In a layered bed of well draining soil, plants are selected based on targeted pollutants. These plants use biological processes to remove pollutants from the water. The water is then allowed to slowly infiltrate into the ground, recharging ground water supplies.

Each rain garden is engineered and sized using such factors as local rain volume and frequency, drainage area, types of pollutants, temperature, climate, and amount of sunlight.

For more information on building a rain garden at your home or office, visit: *http://www.raingardennetwork.com/build.htm.*

Rain Barrels

Rain water is a resource which can be reused if captured. Rain barrels are a cost effective way to retain water on-site thereby reducing storm water pollution runoff.

After a dry period, the first rainfall picks up and transports the most pollutants. This phenomenon is known as the "First Flush Effect" and targeting this water can help decrease stormwater pollution.

Rain barrels can be installed to retain the water from the First Flush Effect and the water captured can be harvested for car washing, landscape watering, or other non-potable water use. Typically, a large container such as a food grade 55-gallon drum with spigot is installed to capture water from a downspout. Multiple containers can be linked together to increase capacity.

For more information on building a rain barrel, visit:
http://www.instructables.com/id/DIY-Rain-Barrel/

'Ulei

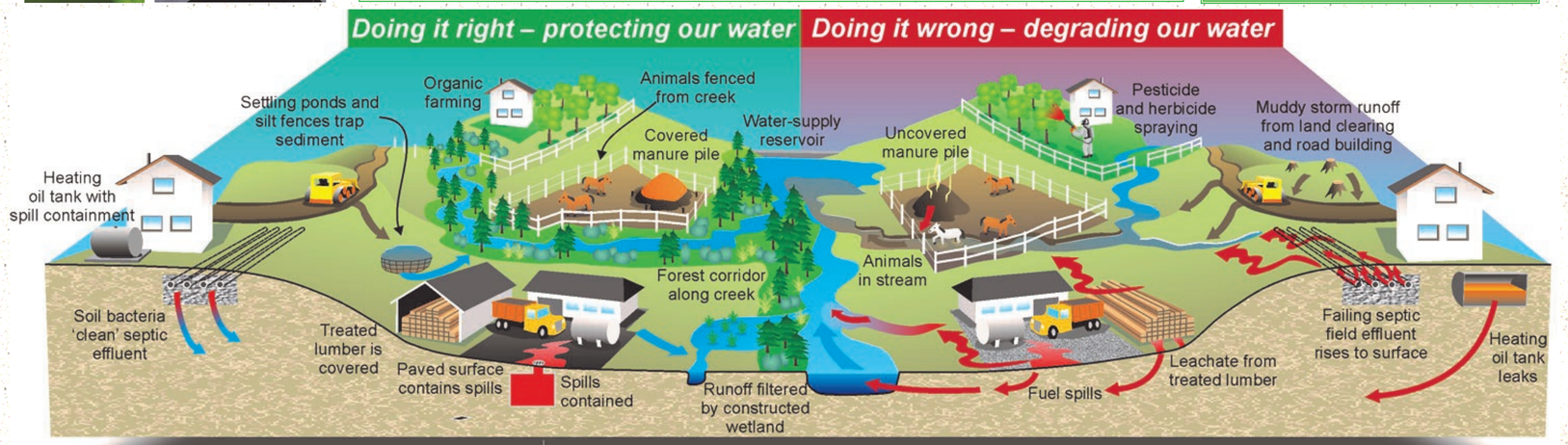
Alahe'e

Hinahina

Koa

Plant Native Plants

There are 317 threatened and endangered species in the State of Hawaii, of which, 273 are plants. Today, almost 90% of the plants commonly grown in our urban and suburban areas are not native. You can help reverse this trend by planting native plants in your yard. Native plants are better suited for our local environment and tend to use less water, provide habitats for native birds and animals, and help combat invasive species. For more information, visit: *www.hawaiiannativeplants.com*



Pet Waste

By properly disposing of pet waste in the trash or toilet, you are helping limit the amount of nutrients that enter our receiving waters. An over abundance of nutrients may contribute to algae blooms which are detrimental to our aquatic ecosystems.

Mulch

Sheet mulching your garden or yard cools, protects, and enriches the soil. Considering recycling yard waste as a layer of material around plants will provide nutrients as it decomposes, help retain soil moisture, prevent weed growth, stabilize soil temperature, and reduce soil compaction which inhibits root growth. Some vendors may provide free mulch locally.

Xeriscaping

Maintaining your yard can sometimes be a big time commitment. Xeriscaping is a practice that combines irrigation techniques with drought-tolerant plants and grasses. This may be a great option for beautifying your yard with low maintenance plants that consume less water. More information is available at the Board of Water Supply's website:
http://www.hbws.org/cssweb/display.cfm?sid=1135

Illicit Discharge

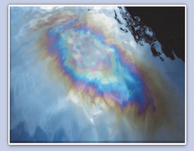
An illicit discharge is a non-storm water discharge that poses a risk to the environment.

Examples of common illicit discharges are:

- Leaking equipment and/or vehicles.
- An unconfined hand washing station.
- Sediment discharge due to construction activities.
- Unpermitted and improperly contained power washing.

BMPs are products, systems, and processes that can control the source of pollutants and reduce or eliminate their impact on the MS4 and receiving waters when planned, installed, and maintained properly. HDOT Harbors has made a suite of fact sheets on a variety of BMPs available on the website.

Indications of illicit discharges may include:



- A flow during dry weather.
- A sheen on the water.
- An odor resembling petroleum, sulfur, or sewage.
- Unnatural discoloration of water.
- Turbid or cloudy water.
- Deposition or staining of hard surfaces.

If you see any of these types of illicit discharges, report it:

Oahu Harbors
Harbors Traffic Control - (808) 587-2076

Neighbor Islands Harbors
Contact Your Supervisor

If You Have Questions
Environmental Hotline - (808) 587-1962

Single-use Plastics

Limit Single-use Items

Paper and plastic products sometimes get blown out of trash cans and drift into our local streams and beaches. Limiting or eliminating single-use products will save you money and help to keep our waters clean.

Examples of items to limit include Zip-Lock® bags, plastic bags, plastic cups and utensils, and wax paper plates.

Single-use plastic bags are prohibited in the State of Hawaii. Plastic bags, and other single-use plastic items, are non-biodegradable, not recyclable, and can break down into smaller pieces making it harmful for wildlife who view it as food. Below are some examples of items to use instead of single-use plastics:

- Reusable or biodegradable bags (typically found at grocery stores for purchase).
- Glass or Pyrex containers.
- Glass mason jars with metal screw tops.
- Dishwasher safe bamboo or metal utensils.

Version 1.0; July 2015

Attachment 4

Pet Care Fact Sheet

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION
HARBORS DIVISION

POLLUTION PREVENTION TIPS - FACT SHEET NO. 1

PET CARE

Pet waste can be a significant source of water pollution because it contains nutrients, pathogens, and bacteria. Improperly disposed of and neglected pet waste may be washed into storm drains by rain. High levels of pathogens and bacteria are the primary reason for beach closures in the State of Hawaii.

Always remember to pick up after your pet

- When walking your dog, always carry a pooper scooper or plastic bag to pick up pet waste. Place your hand in the plastic bag, pick up the waste, and then turn the bag inside out, seal and dispose of in a municipal trash bin, or empty the waste from the bag into the toilet and flush it down.
- For cat poop, it is recommended that the waste and litter be sealed in plastic bags and disposed of in the trash.

Greener litter choices

The most commonly used litter is made of clay, which needs to be mined from the earth. So try a greener litter, one made of recycled wood shavings or paper, and see if your cat will take to it.

When washing your pet

- Use non-toxic and biodegradable pet shampoos. Use a wash basin that drains to the sanitary sewer. If you must bathe your pet outside, wash your pet on the lawn instead of on a paved driveway.
- Follow instructions and clean up any spill.

Report a suspected illicit discharge

- Call Harbors Stormwater Hotline at (808) 587-1962
- Call Harbor Traffic Control Unit at (808) 587 -2076 (24/7)

References:

1. State of Hawaii, City and County of Honolulu Stormwater Pollution Prevention Tips Fact Sheet 5.
2. The New York State, Suffolk County Stormwater Management Program.
3. Natural Resources Defense Council.

For more information, please visit HDOT Harbors stormwater management web site at
http://hidot.hawaii.gov/harbors/library/storm-water-management/

Mālama i ke kai -
Protect our harbor waters

Attachment 5

Adopt-A-Harbor Packet and Waste Removal Statistics

SUMMARY OF TOTAL DAY PIER 38
LEAHI SOCCER CLUB 2000 PREMIER
C/O HAWAIIAN CEMENT
12-27-2015

TRASH COLLECTED

Citizen scientist: Pick up all trash and record all items you find below. No matter how small the items, the data you collect are important for Trash Free Seas.®

EXAMPLE:	TOTAL #
Plastic Bags: ||| |||	= 8

Please DO NOT use words or check marks. Only **numbers** are useful data.

MOST LIKELY TO FIND ITEMS:	TOTAL #
Cigarette Butts:	= 700
Food Wrappers (candy, chips, etc.):	= 73
Take Out/Away Containers (Plastic):	= 84
Take Out/Away Containers (Foam):	= 68
Bottle Caps (Plastic)	= 74
Bottle Caps (Metal)	= 79
Lids (Plastic)	= 63
Straws/Stirrers:	= 27
Forks, Knives, Spoons:	= 56

	TOTAL #
Beverage Bottles (Plastic):	= 63
Beverage Bottles (Glass):	= 60
Beverage Cans:	= 61
Grocery Bags (Plastic): SMALL	= 102
Other Plastic Bags: LARGE	= 76
Paper Bags:	= 47
Cups & Plates (Paper):	= 85
Cups & Plates (Plastic):	= 86
Cups & Plates (Foam):	= 90

FISHING GEAR:	TOTAL #
Fishing Buoys, Pots & Traps:	= 0
Fishing Net & Pieces:	= 0
Rope (1 yard/meter = 1 piece):	= 11
Fishing Line (1 yard/meter = 1 piece):	= 5

PACKAGING MATERIALS:	TOTAL #
6-Pack Holders	= 3
Other Plastic/Foam Packaging:	= 71
Other Plastic Bottles (oil, bleach, etc.):	= ~~5~~ 19
Strapping Bands:	= 17
Tobacco Packaging/Wrap:	= 38

OTHER TRASH:	TOTAL #
Appliances (refrigerators, washers, etc.):	= —
Balloons:	= —
Cigar Tips:	= —
Cigarette Lighters:	= 10
Construction Materials:	= 1
Fireworks:	= 0
Tires:	= 4

PERSONAL HYGIENE:	TOTAL #
Condoms:	= —
Diapers:	= 6
Syringes:	= 1
Tampons/Tampon Applicators:	= —
OTHER - SLIPPER, SOCK, SHIRT, HAT, TOOTHBRUSH/PICKS/RAZOR	15 12

TINY TRASH LESS THAN 2.5CM:	TOTAL #
Foam Pieces DEGRADING FOAM	= 130
Glass Pieces	= 98
Plastic Pieces	= 53

2.5cm (actual size)

DEAD/INJURED ANIMAL	STATUS	ENTANGLED	TYPE OF ENTANGLEMENT ITEM
0	Dead or Injured	Yes or No	

ITEMS OF LOCAL CONCERN:
1. BAGS, PLASTIC 2. FOAM 3.

CLEANUP SUMMARY (circle units)

Number of Trash Bags Filled: 10 | Weight of Trash Collected: 350 lbs/kgs | Distance Cleaned: ~~.~~75 miles/km

PIER 38 PENINSULA

8:00 TO 11:00 APPROXIMATELY
3 HOURS 17 PEOPLE

SHORE FRONTING POP - ONE OF 4 GANGS (ESTIMATED)
DANE

TRASH COLLECTED

Citizen scientist: Pick up all trash and record all items you find below. No matter how small the items, the data you collect are important for Trash Free Seas.®

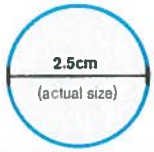
EXAMPLE:	TOTAL #
Plastic Bags: HHT III	= 8

Please DO NOT use words or check marks. Only **numbers** are useful data.

MOST LIKELY TO FIND ITEMS:	TOTAL #		TOTAL #
* Cigarette Butts:	= 100	Beverage Bottles (Plastic):	= 20
Food Wrappers (candy, chips, etc.):	= 20	Beverage Bottles (Glass):	= 20
Take Out/Away Containers (Plastic):	= 20	Beverage Cans:	= 20
Take Out/Away Containers (Foam):	= 5	Grocery Bags (Plastic):	= 30
Bottle Caps (Plastic)	= 5	Other Plastic Bags:	= 10
Bottle Caps (Metal)	= 20	Paper Bags:	= 5
Lids (Plastic) :	= 15	Cups & Plates (Paper):	= 10
Straws/Stirrers:	= 3	Cups & Plates (Plastic):	= 20
Forks, Knives, Spoons:	= 20	Cups & Plates (Foam):	= 20

FISHING GEAR:	TOTAL #	PACKAGING MATERIALS:	TOTAL #
Fishing Buoys, Pots & Traps:	=	6-Pack Holders	= 0
Fishing Net & Pieces:	=	Other Plastic/Foam Packaging:	= 10
Rope (1 yard/meter = 1 piece):	= 2	Other Plastic Bottles (oil, bleach, etc.):	= 1
Fishing Line (1 yard/meter = 1 piece):	=	Strapping Bands:	= 5
OTHER TRASH:	**TOTAL #**	Tobacco Packaging/Wrap:	= 5
Appliances (refrigerators, washers, etc.):	=	**PERSONAL HYGIENE:**	**TOTAL #**
Balloons:	=	Condoms:	= 0
Cigar Tips:	=	Diapers:	= 0
Cigarette Lighters:	= 5	Syringes:	= 0
Construction Materials:	=	Tampons/Tampon Applicators:	= 0
Fireworks:	=	TOOTHBRUSH	3
Tires:	=	FLOSS PICKS	2

TINY TRASH LESS THAN 2.5CM:	TOTAL #
Foam Pieces (LARGE ROCKS)	= 20
Glass Pieces	= 10
Plastic Pieces	= 20



DEAD/INJURED ANIMAL	STATUS	ENTANGLED	TYPE OF ENTANGLEMENT ITEM
	Dead or Injured	Yes or No	

ITEMS OF LOCAL CONCERN:

** 1. CONTAINERS 2. FOOD TRAYS 3. DRINKING CONTAINERS

CLEANUP SUMMARY (circle units)

Number of Trash Bags Filled:	Weight of Trash Collected:	Distance Cleaned:
2	50 lbs/kgs	miles/km

** HIGH CONCENTRATION BY CROSS OVER BRIDGE

* HIGH CONCENTRATION UNDER SHADE TREES

DANE
RELI

NOTE: SOURCE SEEMED TO BE LAND BASED

SHORE FRONTING NICOS (ESTIMATED)
& SHORE BETWEEN NICOS & PIER 34

TRASH COLLECTED

Citizen scientist: Pick up all trash and record all items you find below. No matter how small the items, the data you collect are important for Trash Free Seas.®

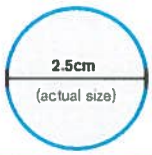
EXAMPLE:	TOTAL #
Plastic Bags: ||| |||	= 8

Please DO NOT use words or check marks. Only **numbers** are useful data.

MOST LIKELY TO FIND ITEMS:	TOTAL #		TOTAL #
Cigarette Butts:	= 100	Beverage Bottles (Plastic):	= 10
Food Wrappers (candy, chips, etc.):	= 20	Beverage Bottles (Glass):	= 3
Take Out/Away Containers (Plastic):	= 20	Beverage Cans:	= 5
Take Out/Away Containers (Foam):	= 30	Grocery Bags (Plastic):	= 30
Bottle Caps (Plastic)	= 20	Other Plastic Bags:	= 10 LARGE
Bottle Caps (Metal)	= 10	Paper Bags:	= 3
Lids (Plastic) :	= 10	Cups & Plates (Paper):	= 20
Straws/Stirrers:	= 10	Cups & Plates (Plastic):	= 20
Forks, Knives, Spoons:	= 20	Cups & Plates (Foam):	= 30

FISHING GEAR:	TOTAL #	PACKAGING MATERIALS:	TOTAL #
Fishing Buoys, Pots & Traps:	=	6-Pack Holders	= 0
Fishing Net & Pieces:	=	Other Plastic/Foam Packaging:	= 20
Rope (1 yard/meter = 1 piece):	= 3	Other Plastic Bottles (oil, bleach, etc.):	= 10
Fishing Line (1 yard/meter = 1 piece): THICK LINE FROM BOATS	= 5	Strapping Bands:	= 10
OTHER TRASH:	**TOTAL #**	Tobacco Packaging/Wrap:	= 10
Appliances (refrigerators, washers, etc.):	=	**PERSONAL HYGIENE:**	**TOTAL #**
Balloons:	=	Condoms:	=
Cigar Tips:	=	Diapers:	= 1
Cigarette Lighters:	= 5	~~Syringes:~~ RAZOR	= 2
Construction Materials:	=	Tampons/Tampon Applicators: TOOTHBRUSH	= 5
Fireworks:	=		
Tires:	= 4 TOTAL FOR DAY		

TINY TRASH LESS THAN 2.5CM:	TOTAL #
Foam Pieces	= 100
Glass Pieces	= 50
Plastic Pieces	=



DEAD/INJURED ANIMAL	STATUS	ENTANGLED	TYPE OF ENTANGLEMENT ITEM
	Dead or Injured	Yes or No	

ITEMS OF LOCAL CONCERN:

1. PLASTIC BAGS 2. FOAM CONTAINERS 3. PLASTIC CONTAINERS

CLEANUP SUMMARY (circle units)

Number of Trash Bags Filled: 3 Weight of Trash Collected: 90# lbs/kgs Distance Cleaned: 25 miles/km

WENDY
JIMEON
DANA
KENDALL
DANE

- STEEL BRAKING RODS
- SNACK WASTE FROM SUSPECTED NIGHT FISHING
- BEVERAGE WASTE FROM SUSPECTED DRINKERS/ HOMELESS

NOTE: OBVIOUS WHAT WAS ONCE FLOATING DEBRIS VS. LAND GENERATED EST. 20% FLOATING

WEST ROCKY STONE & PARKING

TRASH COLLECTED

Citizen scientist: Pick up all trash and record all items you find below. No matter how small the items, the data you collect are important for Trash Free Seas.®

EXAMPLE: TOTAL #

Plastic Bags: 𝍸 III = 8

Please DO NOT use words or check marks. Only **numbers** are useful data.

MOST LIKELY TO FIND ITEMS:

	TOTAL #
Cigarette Butts: 𝍸 𝍸 𝍸 𝍸	= 20
Food Wrappers (candy, chips, etc.): 𝍸 II	= 7
Take Out/Away Containers (Plastic): 𝍸 𝍸	= 10
Take Out/Away Containers (Foam): 𝍸 𝍸	= 10
Bottle Caps (Plastic) 𝍸 𝍸 𝍸	= 15
Bottle Caps (Metal) 𝍸 𝍸	= 19
Lids (Plastic): 𝍸 I 𝍸 𝍸	= 15
Straws/Stirrers: II	= 2
Forks, Knives, Spoons:	=

FISHING GEAR:

	TOTAL #
Fishing Buoys, Pots & Traps:	=
Fishing Net & Pieces:	=
Rope (1 yard/meter = 1 piece):	=
Fishing Line (1 yard/meter = 1 piece):	=

OTHER TRASH:

	TOTAL #
Appliances (refrigerators, washers, etc.):	=
Balloons:	=
Cigar Tips:	=
Cigarette Lighters:	=
Construction Materials:	=
Fireworks:	=
Tires:	=

	TOTAL #
Beverage Bottles (Plastic): 𝍸	= 5
Beverage Bottles (Glass): 𝍸 𝍸 𝍸	= 15
Beverage Cans: 𝍸 𝍸 𝍸	= 15
Grocery Bags (Plastic): 𝍸 𝍸 𝍸	= 15
Other Plastic Bags: 𝍸 𝍸 𝍸	= 18
Paper Bags: 𝍸 𝍸 I	= 12
Cups & Plates (Paper): 𝍸 𝍸 𝍸	= 15
Cups & Plates (Plastic): 𝍸 𝍸	= 10
Cups & Plates (Foam): 𝍸 𝍸	= 10

PACKAGING MATERIALS:

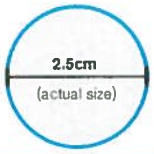
	TOTAL #
6-Pack Holders	=
Other Plastic/Foam Packaging: 𝍸 𝍸	= 10
Other Plastic Bottles (oil, bleach, etc.): 𝍸	= 8
Strapping Bands:	=
Tobacco Packaging/Wrap: 𝍸	= 5

PERSONAL HYGIENE:

	TOTAL #
Condoms:	=
Diapers:	=
Syringes:	=
Tampons/Tampon Applicators:	=
Sock	1

TINY TRASH LESS THAN 2.5CM:

	TOTAL #
Foam Pieces	=
Glass Pieces	=
Plastic Pieces	=



DEAD/INJURED ANIMAL	STATUS	ENTANGLED	TYPE OF ENTANGLEMENT ITEM
	Dead or Injured	Yes or No	

ITEMS OF LOCAL CONCERN:

1. 2. 3.

CLEANUP SUMMARY (circle units)

Number of Trash Bags Filled: 1 Weight of Trash Collected: lbs/kgs Distance Cleaned: miles/km

KARLIN MIXA TRENT
PARKING AREAS NICOS ALLY, SHORE NEXT TO POP

TRASH COLLECTED

Citizen scientist: Pick up all trash and record all items you find below. No matter how small the items, the data you collect are important for Trash Free Seas.®

EXAMPLE:	TOTAL #
Plastic Bags: ||| III	= 8

Please DO NOT use words or check marks. Only **numbers** are useful data.

MOST LIKELY TO FIND ITEMS:	TOTAL #
Cigarette Butts:	= 337
Food Wrappers (candy, chips, etc.):	= 2
Take Out/Away Containers (Plastic):	= 7
Take Out/Away Containers (Foam):	= 6
Bottle Caps (Plastic):	= 4
Bottle Caps (Metal):	= 9
Lids (Plastic):	= 5
Straws/Stirrers:	= 5
Forks, Knives, Spoons:	= 6

	TOTAL #
Beverage Bottles (Plastic):	= 3
Beverage Bottles (Glass):	= 1
Beverage Cans:	= 2
Grocery Bags (Plastic):	= 1
Other Plastic Bags:	= 2
Paper Bags:	= 3
Cups & Plates (Paper):	= 6
Cups & Plates (Plastic):	= 8
Cups & Plates (Foam):	= 5

FISHING GEAR:	TOTAL #
Fishing Buoys, Pots & Traps:	=
Fishing Net & Pieces:	=
Rope (1 yard/meter = 1 piece):	= 1
Fishing Line (1 yard/meter = 1 piece):	=

PACKAGING MATERIALS:	TOTAL #
6-Pack Holders:	= 1
Other Plastic/Foam Packaging:	= 7
Other Plastic Bottles (oil, bleach, etc.):	= 1
Strapping Bands:	= 2
Tobacco Packaging/Wrap:	= 3

OTHER TRASH:	TOTAL #
Appliances (refrigerators, washers, etc.):	=
Balloons:	=
Cigar Tips:	= 1
Cigarette Lighters:	= 2
Construction Materials:	= 1
Fireworks:	=
Tires:	= 1

PERSONAL HYGIENE:	TOTAL #
Condoms:	=
Diapers:	=
Syringes:	= 1
Tampons/Tampon Applicators:	=

TINY TRASH LESS THAN 2.5CM:	TOTAL #
Foam Pieces:	= 2
Glass Pieces:	= 12
Plastic Pieces:	= 4

2.5cm (actual size)

DEAD/INJURED ANIMAL	STATUS	ENTANGLED	TYPE OF ENTANGLEMENT ITEM
1 Honeybee	Dead or (Injured)	Yes or (No)	

ITEMS OF LOCAL CONCERN:

1. 2. 3.

CLEANUP SUMMARY (circle units)

Number of Trash Bags Filled: 2 | Weight of Trash Collected: 40 # lbs/kgs | Distance Cleaned: .5 miles/km

WEST ROCK: STONE & PARKING

TRASH COLLECTED

Citizen scientist: Pick up all trash and record all items you find below. No matter how small the items, the data you collect are important for Trash Free Seas.®

EXAMPLE: TOTAL #

Plastic Bags: 𝍸 III = 8

Please DO NOT use words or check marks. Only **numbers** are useful data.

MOST LIKELY TO FIND ITEMS:

TOTAL #

- Cigarette Butts: 𝍸 𝍸 𝍸 𝍸 = 40
- Food Wrappers (candy, chips, etc.): III 𝍸 𝍸 = 13
- Take Out/Away Containers (Plastic): 𝍸 𝍸 = 10
- Take Out/Away Containers (Foam): 𝍸 𝍸 II = 12
- Bottle Caps (Plastic) 𝍸 III 𝍸 𝍸 = 18
- Bottle Caps (Metal) 𝍸 𝍸 𝍸 II = 17
- Lids (Plastic): 𝍸 II 𝍸 = 12
- Straws/Stirrers: 𝍸 I = 6
- Forks, Knives, Spoons: III = 3
- Beverage Bottles (Plastic): 𝍸 𝍸 II = 12
- Beverage Bottles (Glass): II 𝍸 𝍸 𝍸 = 16
- Beverage Cans: 𝍸 I = 6
- Grocery Bags (Plastic): 𝍸 𝍸 = 10
- Other Plastic Bags: 𝍸 𝍸 𝍸 𝍸 = 20
- Paper Bags: 𝍸 𝍸 = 10
- Cups & Plates (Paper): 𝍸 𝍸 = 10
- Cups & Plates (Plastic): 𝍸 𝍸 = 10
- Cups & Plates (Foam): 𝍸 𝍸 = 10

FISHING GEAR:

TOTAL #

- Fishing Buoys, Pots & Traps: =
- Fishing Net & Pieces: =
- Rope (1 yard/meter = 1 piece): 𝍸 = 5
- Fishing Line (1 yard/meter = 1 piece): =

PACKAGING MATERIALS:

TOTAL #

- 6-Pack Holders =
- Other Plastic/Foam Packaging: 𝍸 𝍸 = 10
- Other Plastic Bottles (oil, bleach, etc.): II = 2
- Strapping Bands: =
- Tobacco Packaging/Wrap: 𝍸 𝍸 = 10

OTHER TRASH:

TOTAL #

- Appliances (refrigerators, washers, etc.): =
- Balloons: =
- Cigar Tips: =
- Cigarette Lighters: =
- Construction Materials: =
- Fireworks: =
- Tires: II = 2

PERSONAL HYGIENE:

TOTAL #

- Condoms: =
- Diapers: 𝍸 = 5
- Syringes: =
- Tampons/Tampon Applicators: =

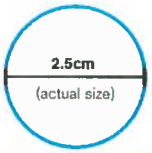
Shoe / hat / clothes 𝍸 III = 9

chair cushion

TINY TRASH LESS THAN 2.5CM:

TOTAL #

- Foam Pieces 𝍸 𝍸 = 10
- Glass Pieces 𝍸 𝍸 = 10
- Plastic Pieces 𝍸 𝍸 𝍸 = 15



DEAD/INJURED ANIMAL	STATUS	ENTANGLED	TYPE OF ENTANGLEMENT ITEM
	Dead or Injured	Yes or No	

ITEMS OF LOCAL CONCERN:

1. 2. 3.

CLEANUP SUMMARY (circle units)

Number of Trash Bags Filled: 2 Weight of Trash Collected: lbs/kgs Distance Cleaned: miles/km

NAVARES FAMILY
WEST SHORE & SHORE NEXT TO POP

TRASH COLLECTED

Citizen scientist: Pick up all trash and record all items you find below. No matter how small the items, the data you collect are important for Trash Free Seas.®

EXAMPLE:	TOTAL #
Plastic Bags: 𝍸 III	= 8

Please DO NOT use words or check marks. Only **numbers** are useful data.

MOST LIKELY TO FIND ITEMS:	TOTAL #
Cigarette Butts: 𝍸 𝍸	= 10
Food Wrappers (candy, chips, etc.): 𝍸	= 5
Take Out/Away Containers (Plastic): 𝍸	= 5
Take Out/Away Containers (Foam): 𝍸	= 5
Bottle Caps (Plastic) 𝍸	= 5
Bottle Caps (Metal) 𝍸	= 5
Lids (Plastic) 𝍸	= 8
Straws/Stirrers:	=
Forks, Knives, Spoons: 𝍸	= 3

FISHING GEAR:	TOTAL #
Fishing Buoys, Pots & Traps:	=
Fishing Net & Pieces:	=
Rope (1 yard/meter = 1 piece):	=
Fishing Line (1 yard/meter = 1 piece):	=

OTHER TRASH:	TOTAL #
Appliances (refrigerators, washers, etc.):	=
Balloons:	=
Cigar Tips:	=
Cigarette Lighters:	=
Construction Materials:	=
Fireworks:	=
Tires:	=

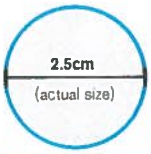
BEVERAGE BOTTLES:	TOTAL #
Beverage Bottles (Plastic): 𝍸 𝍸	= 10
Beverage Bottles (Glass): 𝍸	= 5
Beverage Cans: 𝍸	= 5
Grocery Bags (Plastic): 𝍸 𝍸	= 10
Other Plastic Bags: 𝍸	= 5
Paper Bags: 𝍸 𝍸	= 10
Cups & Plates (Paper): 𝍸	= 5
Cups & Plates (Plastic): 𝍸	= 5
Cups & Plates (Foam): 𝍸	= 5

PACKAGING MATERIALS:	TOTAL #
6-Pack Holders	=
Other Plastic/Foam Packaging: 𝍸	= 5
Other Plastic Bottles (oil, bleach, etc.):	=
Strapping Bands:	=
Tobacco Packaging/Wrap: II	= 2

PERSONAL HYGIENE:	TOTAL #
Condoms:	=
Diapers:	=
Syringes:	=
Tampons/Tampon Applicators:	=

coffee maker / shoe / cloths 5
slipper / case of Beer Unopen 1

TINY TRASH LESS THAN 2.5CM:	TOTAL #
Foam Pieces 𝍸	= 5
Glass Pieces 𝍸 𝍸 𝍸	= 15
Plastic Pieces 𝍸 𝍸	= 10



DEAD/INJURED ANIMAL	STATUS	ENTANGLED	TYPE OF ENTANGLEMENT ITEM
	Dead or Injured	Yes or No	

ITEMS OF LOCAL CONCERN:

1. 2. 3.

CLEANUP SUMMARY (circle units)

Number of Trash Bags Filled: 1 | Weight of Trash Collected: lbs/kgs | Distance Cleaned: miles/km

WEST ROCKY STONE & PARKING

TRASH COLLECTED

Citizen scientist: Pick up all trash and record all items you find below. No matter how small the items, the data you collect are important for Trash Free Seas.®

EXAMPLE: TOTAL #

Plastic Bags: 𝍸 III = 8

Please DO NOT use words or check marks. Only **numbers** are useful data.

MOST LIKELY TO FIND ITEMS:

	TOTAL #
Cigarette Butts:	25
Food Wrappers (candy, chips, etc.):	6
Take Out/Away Containers (Plastic):	6
Take Out/Away Containers (Foam):	
Bottle Caps (Plastic)	4
Bottle Caps (Metal)	1
Lids (Plastic) :	1
Straws/Stirrers:	1
Forks, Knives, Spoons:	1

	TOTAL #
Beverage Bottles (Plastic):	
Beverage Bottles (Glass):	
Beverage Cans:	2
Grocery Bags (Plastic):	5
Other Plastic Bags:	11
Paper Bags:	2
Cups & Plates (Paper):	7
Cups & Plates (Plastic):	10
Cups & Plates (Foam):	7

FISHING GEAR:

	TOTAL #
Fishing Buoys, Pots & Traps:	
Fishing Net & Pieces:	
Rope (1 yard/meter = 1 piece):	
Fishing Line (1 yard/meter = 1 piece):	

PACKAGING MATERIALS:

	TOTAL #
6-Pack Holders	1
Other Plastic/Foam Packaging:	8
Other Plastic Bottles (oil, bleach, etc.):	
Strapping Bands:	
Tobacco Packaging/Wrap:	

OTHER TRASH:

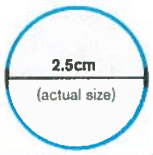
	TOTAL #
Appliances (refrigerators, washers, etc.):	
Balloons:	
Cigar Tips:	
Cigarette Lighters:	
Construction Materials:	
Fireworks:	
Tires:	

PERSONAL HYGIENE:

	TOTAL #
Condoms:	
Diapers:	
Syringes:	
Tampons/Tampon Applicators:	

TINY TRASH LESS THAN 2.5CM:

	TOTAL #
Foam Pieces	1
Glass Pieces	1
Plastic Pieces	3



DEAD/INJURED ANIMAL	STATUS	ENTANGLED	TYPE OF ENTANGLEMENT ITEM
	Dead or Injured	Yes or No	

ITEMS OF LOCAL CONCERN:

1. 2. 3.

CLEANUP SUMMARY (circle units)

Number of Trash Bags Filled: 1 **Weight of Trash Collected:** lbs/kgs **Distance Cleaned:** miles/km

FRONTING NICOS

WENDY - BALANCE ESTIMATED

TRASH COLLECTED

Citizen scientist: Pick up all trash and record all items you find below. No matter how small the items, the data you collect are important for Trash Free Seas.®

EXAMPLE: Plastic Bags: 𝍸 III = 8 (TOTAL #)

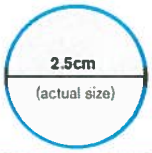
Please DO NOT use words or check marks. Only **numbers** are useful data.

MOST LIKELY TO FIND ITEMS:	TOTAL #		TOTAL #
Cigarette Butts: 𝍸 𝍸	= 10	Beverage Bottles (Plastic): II	= 2
Food Wrappers (candy, chips, etc.):	=	Beverage Bottles (Glass):	=
Take Out/Away Containers (Plastic):	=	Beverage Cans: I	= 1
Take Out/Away Containers (Foam):	=	Grocery Bags (Plastic):	=
Bottle Caps (Plastic) I	= 1	Other Plastic Bags:	=
Bottle Caps (Metal)	=	Paper Bags:	=
Lids (Plastic) :	=	Cups & Plates (Paper):	=
Straws/Stirrers:	=	Cups & Plates (Plastic):	=
Forks, Knives, Spoons:	=	Cups & Plates (Foam):	=

FISHING GEAR:	TOTAL #	PACKAGING MATERIALS:	TOTAL #
Fishing Buoys, Pots & Traps:	=	6-Pack Holders I	= 1
Fishing Net & Pieces:	=	Other Plastic/Foam Packaging: I	= 1
Rope (1 yard/meter = 1 piece):	=	Other Plastic Bottles (oil, bleach, etc.):	=
Fishing Line (1 yard/meter = 1 piece):	=	Strapping Bands:	=
		Tobacco Packaging/Wrap:	=

OTHER TRASH:	TOTAL #	PERSONAL HYGIENE:	TOTAL #
Appliances (refrigerators, washers, etc.):	=	Condoms:	=
Balloons:	=	Diapers:	=
Cigar Tips:	=	Syringes:	=
Cigarette Lighters:	=	Tampons/Tampon Applicators:	=
Construction Materials:	=		
Fireworks:	=		
Tires:	=		

TINY TRASH LESS THAN 2.5CM:	TOTAL #
Foam Pieces	=
Glass Pieces	=
Plastic Pieces	=



DEAD/INJURED ANIMAL	STATUS	ENTANGLED	TYPE OF ENTANGLEMENT ITEM
	Dead or Injured	Yes or No	

ITEMS OF LOCAL CONCERN:

1. 2. 3.

CLEANUP SUMMARY (circle units)

Number of Trash Bags Filled: 1 | Weight of Trash Collected: lbs/kgs | Distance Cleaned: miles/km

WEST ROCKY SHORE & PARKING.

TRASH COLLECTED

Citizen scientist: Pick up all trash and record all items you find below. No matter how small the items, the data you collect are important for Trash Free Seas.®

EXAMPLE:	TOTAL #	
Plastic Bags:	8	

Please DO NOT use words or check marks. Only **numbers** are useful data.

MOST LIKELY TO FIND ITEMS:	TOTAL #
Cigarette Butts:	20
Food Wrappers (candy, chips, etc.):	
Take Out/Away Containers (Plastic):	6
Take Out/Away Containers (Foam):	
Bottle Caps (Plastic)	
Bottle Caps (Metal)	2
Lids (Plastic)	
Straws/Stirrers:	
Forks, Knives, Spoons:	1

	TOTAL #
Beverage Bottles (Plastic):	1
Beverage Bottles (Glass):	1
Beverage Cans:	5
Grocery Bags (Plastic):	1
Other Plastic Bags:	3
Paper Bags:	
Cups & Plates (Paper):	2
Cups & Plates (Plastic):	3
Cups & Plates (Foam):	3

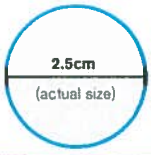
FISHING GEAR:	TOTAL #
Fishing Buoys, Pots & Traps:	
Fishing Net & Pieces:	
Rope (1 yard/meter = 1 piece):	
Fishing Line (1 yard/meter = 1 piece):	

PACKAGING MATERIALS:	TOTAL #
6-Pack Holders	
Other Plastic/Foam Packaging:	
Other Plastic Bottles (oil, bleach, etc.):	
Strapping Bands:	
Tobacco Packaging/Wrap:	2

OTHER TRASH:	TOTAL #
Appliances (refrigerators, washers, etc.):	
Balloons:	
Cigar Tips:	
Cigarette Lighters:	
Construction Materials:	
Fireworks:	
Tires:	

PERSONAL HYGIENE:	TOTAL #
Condoms:	
Diapers:	
Syringes:	
Tampons/Tampon Applicators:	

TINY TRASH LESS THAN 2.5CM:	TOTAL #
Foam Pieces	
Glass Pieces	
Plastic Pieces	1



DEAD/INJURED ANIMAL	STATUS	ENTANGLED	TYPE OF ENTANGLEMENT ITEM
	Dead or Injured	Yes or No	

ITEMS OF LOCAL CONCERN:

1. 2. 3.

CLEANUP SUMMARY (circle units)

Number of Trash Bags Filled: 1 **Weight of Trash Collected:** lbs/kgs **Distance Cleaned:** miles/km

Attachment 6.a

Tenant Training Notice Letter

DAVID Y. IGE
GOVERNOR

FORD N. FUCHIGAMI
DIRECTOR

Deputy Directors
JADE T. BUTAY
ROSS M. HIGASHI
EDWIN H. SNIFFEN
DARRELL T. YOUNG

IN REPLY REFER TO:
HAR-EE
6738.16

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HARBORS DIVISION
79 S. Nimitz Highway
HONOLULU, HAWAII 96813-4898

July 15, 2015

TO: HARBORS DIVISION TENANTS

FROM: DARRELL T. YOUNG
DEPUTY DIRECTOR
DEPARTMENT OF TRANSPORTATION, HARBORS DIVISION

SUBJECT: MĀLAMA I KE KAI (PROTECT OUR HARBOR WATERS)
2015 STORMWATER AWARENESS TRAINING FOR HARBORS TENANTS

We will be conducting our annual stormwater awareness training at the **Honolulu Harbor Pier 2 Cruise Terminal** this year. **Two identical training sessions will be held on August 18 and September 10, 2015, both from 9:30 am to 11:30 am**. Please send at least one representative from your company to attend either of the training sessions. Check-in starts at about 9:00 am. **Parking is available at the Pier 2 Cruise Terminal parking lot at no charge (see attached map)**.

Please note that attending this annual training is mandatory for all Harbors Division tenants on the Island of Oahu. Therefore, please sign in when you come to the training. You will be required to complete a survey at the end of the training to receive credit for your attendance. Tenants who fail to send a representative to one of the training sessions will see their facility risk-ranking increase. A higher risk ranking may subject your facility to more inspections or other administrative actions as may be warranted.

We will share information with all of our tenants about the present status of our Storm Water Management Program (SWMP). You may also schedule the tenant stormwater compliance inspection for your facility. Information on Harbors SWMP may be found at: http://hidot.hawaii.gov/harbors/library/storm-water-management/

This year, we will also discuss other environmental issues at the Harbors including a brief presentation by Ms. Carol Mitsuyasu, the Project Coordinator for the Iwilei District Participating Parties (IDPP), describing the IDPP work and how it affects Honolulu Harbor.

We have enclosed a questionnaire to assess your knowledge regarding stormwater awareness and pollution prevention. **Please complete the questionnaire, and submit it at the training session or mail/email it back to us through one of the following methods:**

- Email to ying.j.zhang@hawaii.gov

- Mail to Ms. Ying "Joy" Zhang at following address:

  State of Hawaii Department of Transportation, Harbors Division
  Engineering Branch, Environmental Section
  Hale Awa Ku Moku Building
  79 South Nimitz Highway
  Honolulu, HI 96813-4898

If you have questions, please contact Mr. Randal Leong of our Engineering Branch Environmental Section at (808) 587-1962.

Enc.

2015 HDOT Harbors Division Tenant Stormwater Awareness Training Location Map

Date and Time: August 18 and September 10, 2015 (09:30 am to 11:30 am); Registration starts at 09:00 am.
Location: Honolulu Harbor Pier 2 Cruise Terminal
(Light refreshments and coffee will be provided.)

Attachment 6.b

Tenant Training Presentation Slides

Welcome to HDOT Harbors
2015 Tenant Stormwater Training

MĀLAMA I KE KAI
PROTECT OUR HARBOR WATERS

Honorable Mention

Tenant Environmental Manager of the Year

Edward Au, Asphalt Hawaii

Derek Higa, Fresh Island Fish, LLC

Jamie Feldhacker, Grace Pacific Corporation, LLC

Stephen Hinton, Marisco, Ltd.

Keahi Birch, Matson Navigation Company, Inc.

Andrew Souza, McCabe, Hamilton & Renny Co., Ltd.

Shanyn Nauihou, Pacific Environmental Corporation

James Mainaaupo, Ron's Concrete Specialist, Ltd.

Nathan Kapule, Young Brothers, Ltd.

2015 Tenant Environmental Manager of the Year

Congratulations!

Frank Roznerski

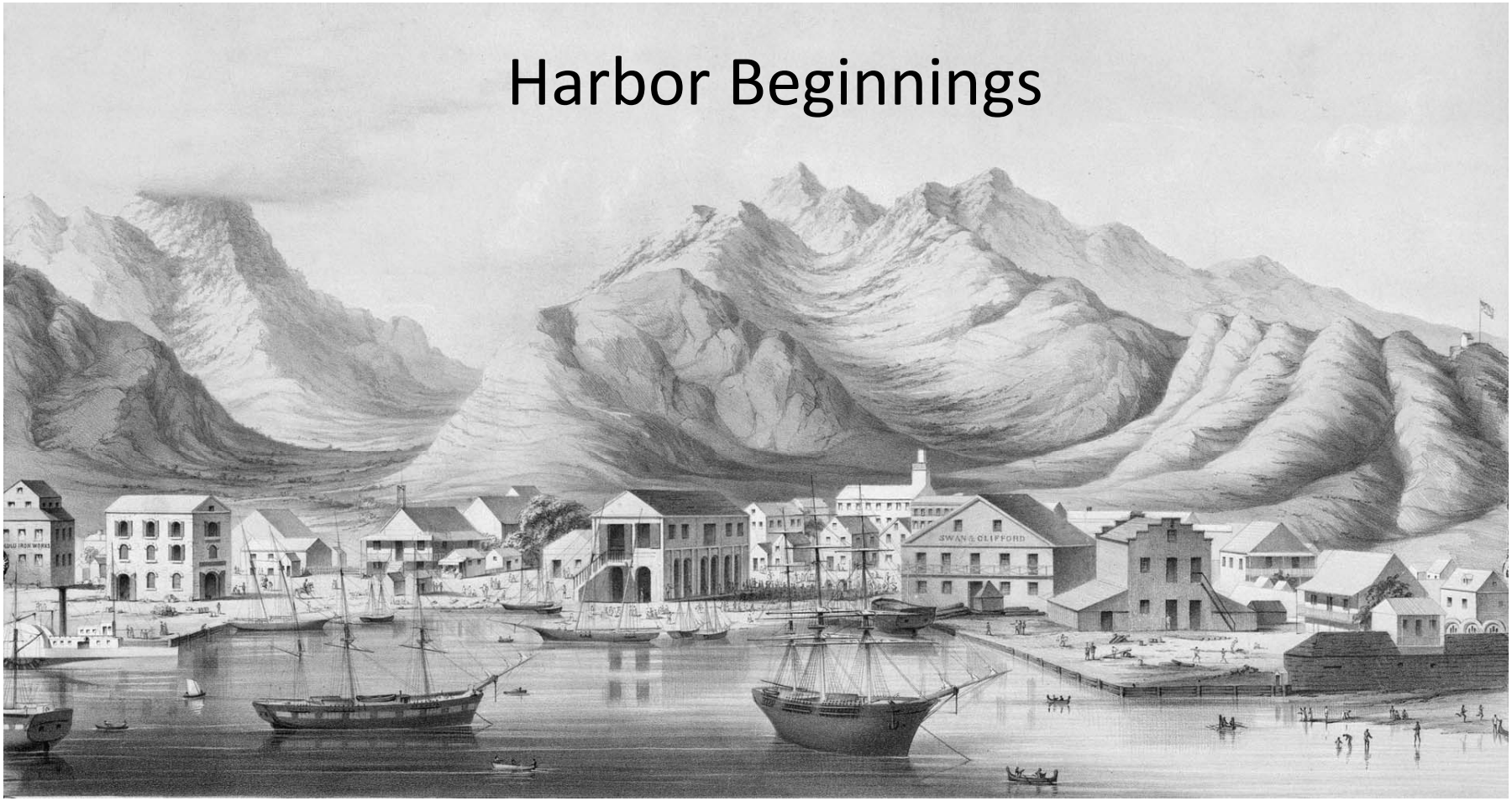
Hawaii Stevedores, Inc.

Training Agenda

- TEMY Award
- Harbors Environmental Program
- Tenant Inspections
- BREAK
- Video – Plastic in the Pacific
- Adopt A Harbor, *Captain Jeff Lansdown*
- Illicit Discharge
- Storm Drain System, *Spencer Yim*
- Construction / Post-Construction
- IDPP, *Carol Mitsuyasu*
- Training Evaluation (*necessary to get credit for class)

1853

Harbor Beginnings



1920 - 1930

Aloha Tower
Welcomes Tourists

Today

11 Million Tons of Cargo

500,000 Cruise Ship Passengers

Environmental Goals

Clean Water

Healthy Fish

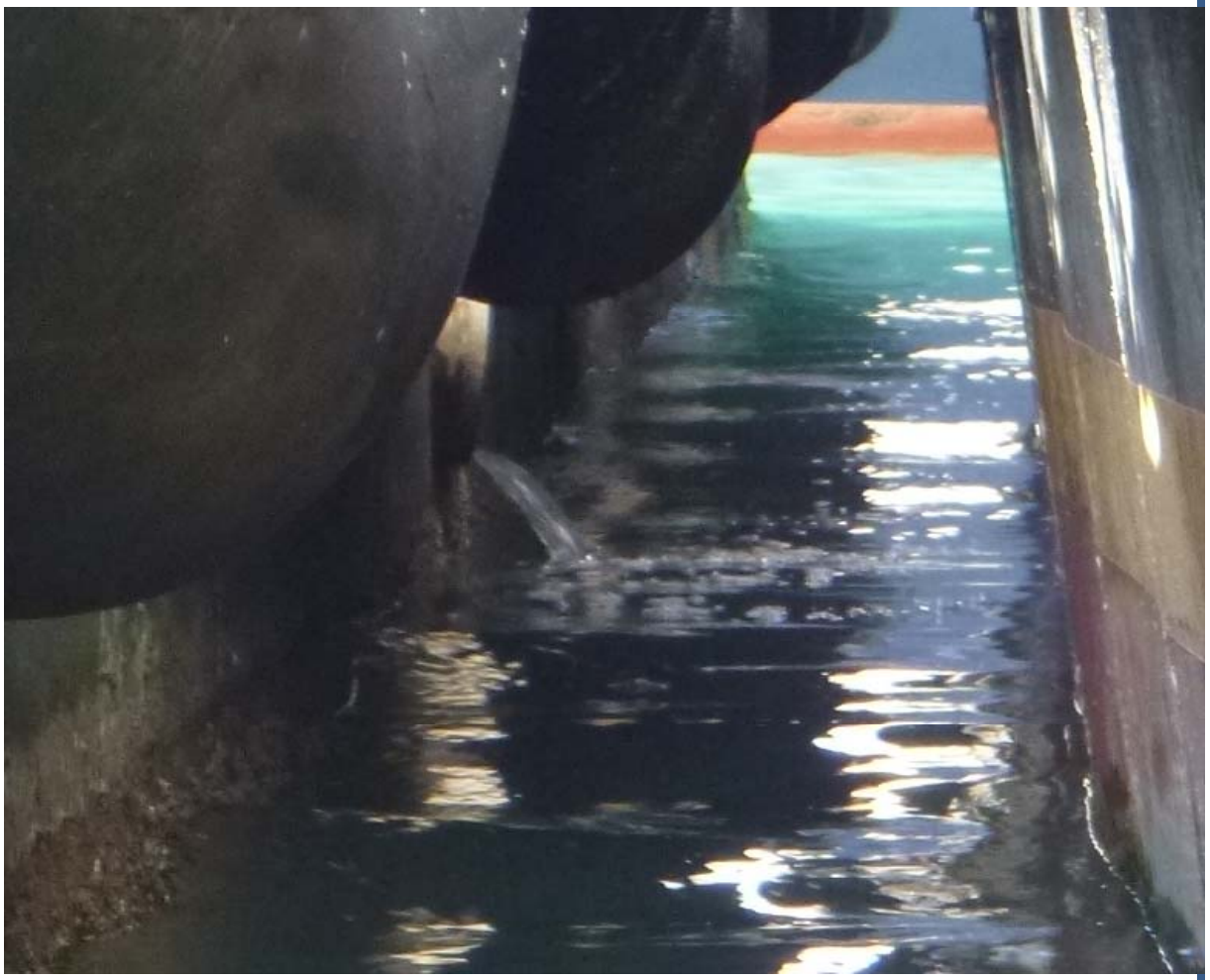
Sustainable Environment

Prevent This

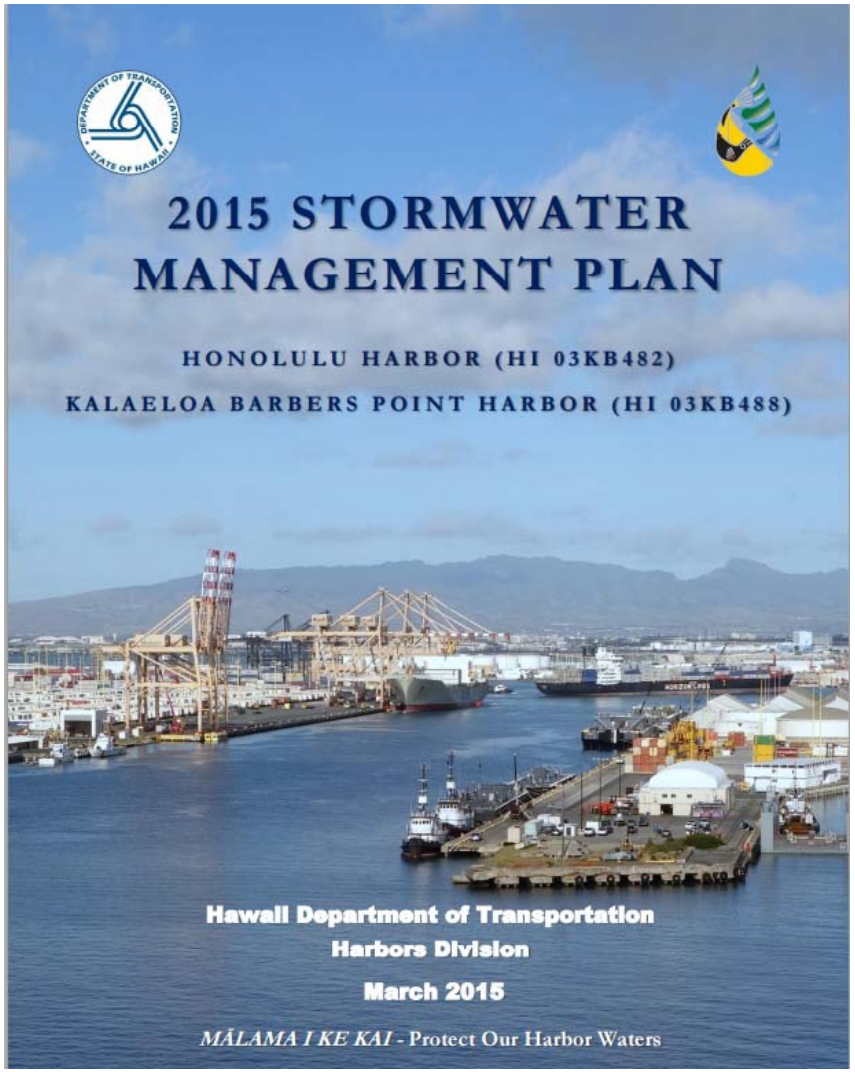
How can we prevent this?

Storm Drain System

Designed to Carry Untreated Stormwater Directly into the Harbor



Permits and Requirements



MS4 NPDES Permits

Consent Decree

SWMP

Harbors Environmental

Let’s Work Together

MĀLAMA I KE KAI - PROTECT OUR HARBOR WATERS

Prepare for Harbors Inspections

Know the Regulations

- Industrial NPDES
- Vessel General Permit
- Harbors Washing Approval
- SPCC
- Tier II
- Hazardous Waste

Industrial NPDES Permits

HAR 11-55, Appendix B

- Material Handling and Storage
- Maintenance and Repair
- Sanding and Painting
- Washing
- Fueling

Vessel General Permit

Section 401 WQC
Discharges from Non-Recreational Vessels

MĀLAMA I KE KAI - PROTECT OUR HARBOR WATERS

Harbors Washing Approval

MĀLAMA I KE KAI - PROTECT OUR HARBOR WATERS

Spill Prevention, Control, and Countermeasure

40 CFR 112

1,320 gallons of petroleum

Tier II Chemical Inventory

HRS 128E

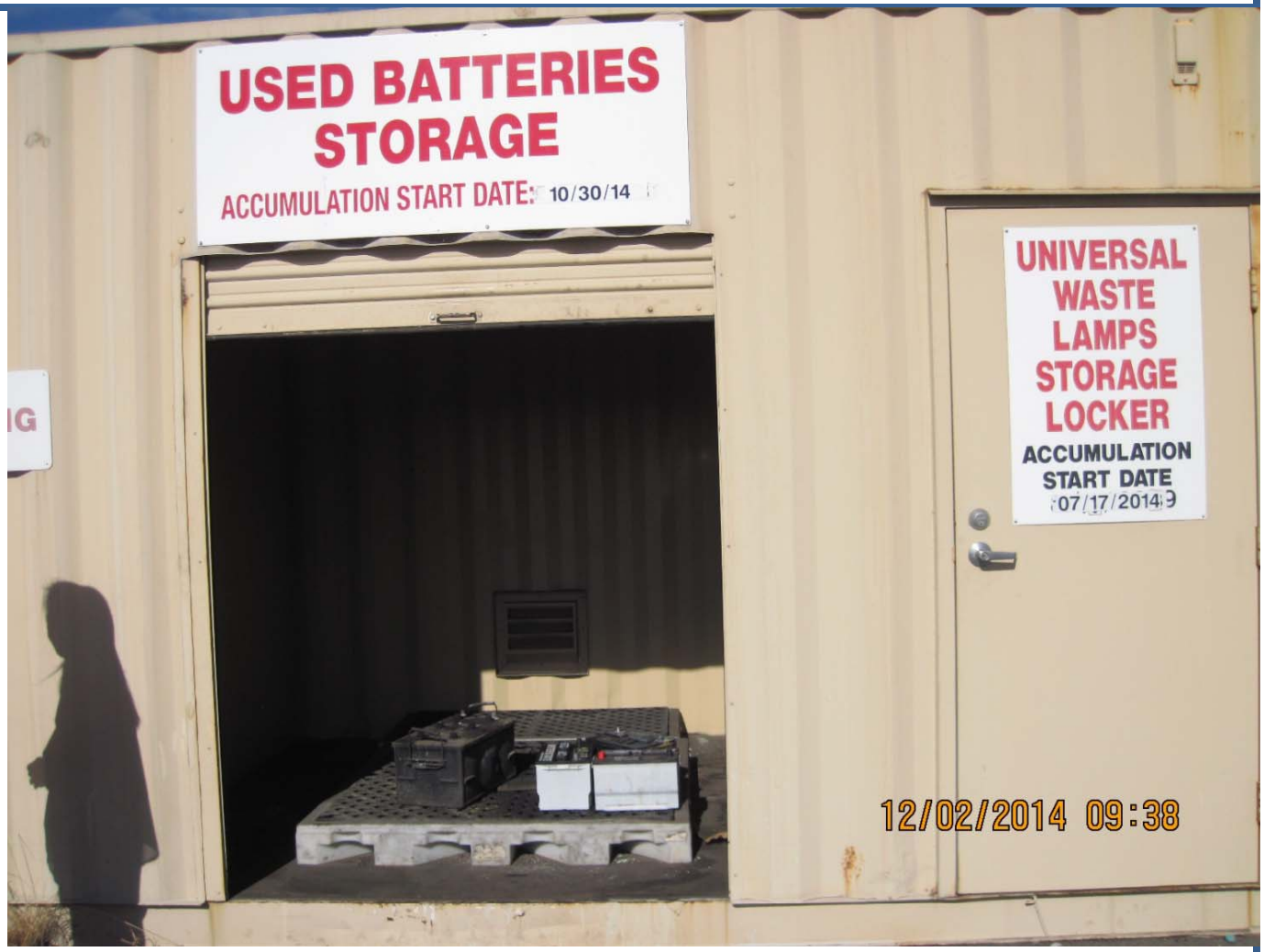
10,000 lbs

Hazardous Waste

HAR 11-260

Universal Waste

HAR 11-273



Implement BMPs

Good Housekeeping

Hand Washing

Keep It Contained

Fueling

Remain Vigilant

Maintenance

Vehicle and Equipment Storage

Use a
Drip Pan

Material Storage

How Should These Drums Be Stored?

Drain Inlet Protection

Labeling

Filter Fabric

Correct Deficiencies

20 Days to Correct

Enforcement

- Oral or Verbal Warning
- Written Warning
- Notice of Apparent Violation
- Summons or Citations
- Notice of Finding of Violation and Order
- DOH (Up to $25,000)

Break

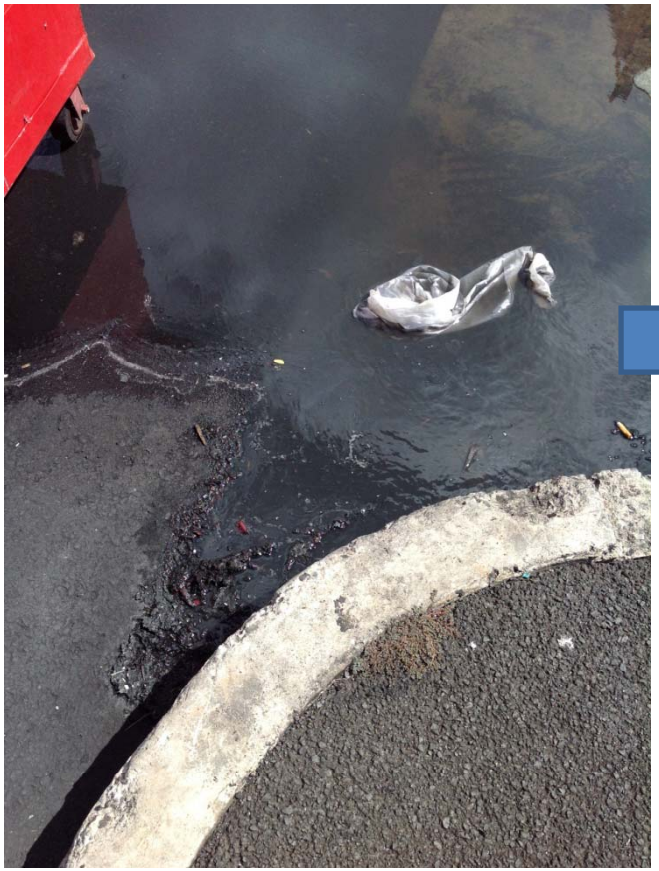

Video – Plastic
in the Pacific
www.theoceancleanup.com

Adopt A Harbor

MĀLAMA I KE KAI - PROTECT OUR HARBOR WATERS

Illicit Discharge

Any non-stormwater discharge that poses a risk to the environment.



Illicit Discharge

Any non-stormwater discharge that poses a risk to the environment.

Illicit Discharge

Any non-stormwater discharge that poses a risk to the environment.

Illicit Discharge

Any non-stormwater discharge that poses a risk to the environment.

Illicit Discharge?

Air Conditioning Condensate is Not an Illicit Discharge

Illicit Discharge?

Mop Water is an Illicit Discharge

Spill Response

1. Assess the Risk
2. Select PPE
3. Confine the Spill
4. Stop the Source

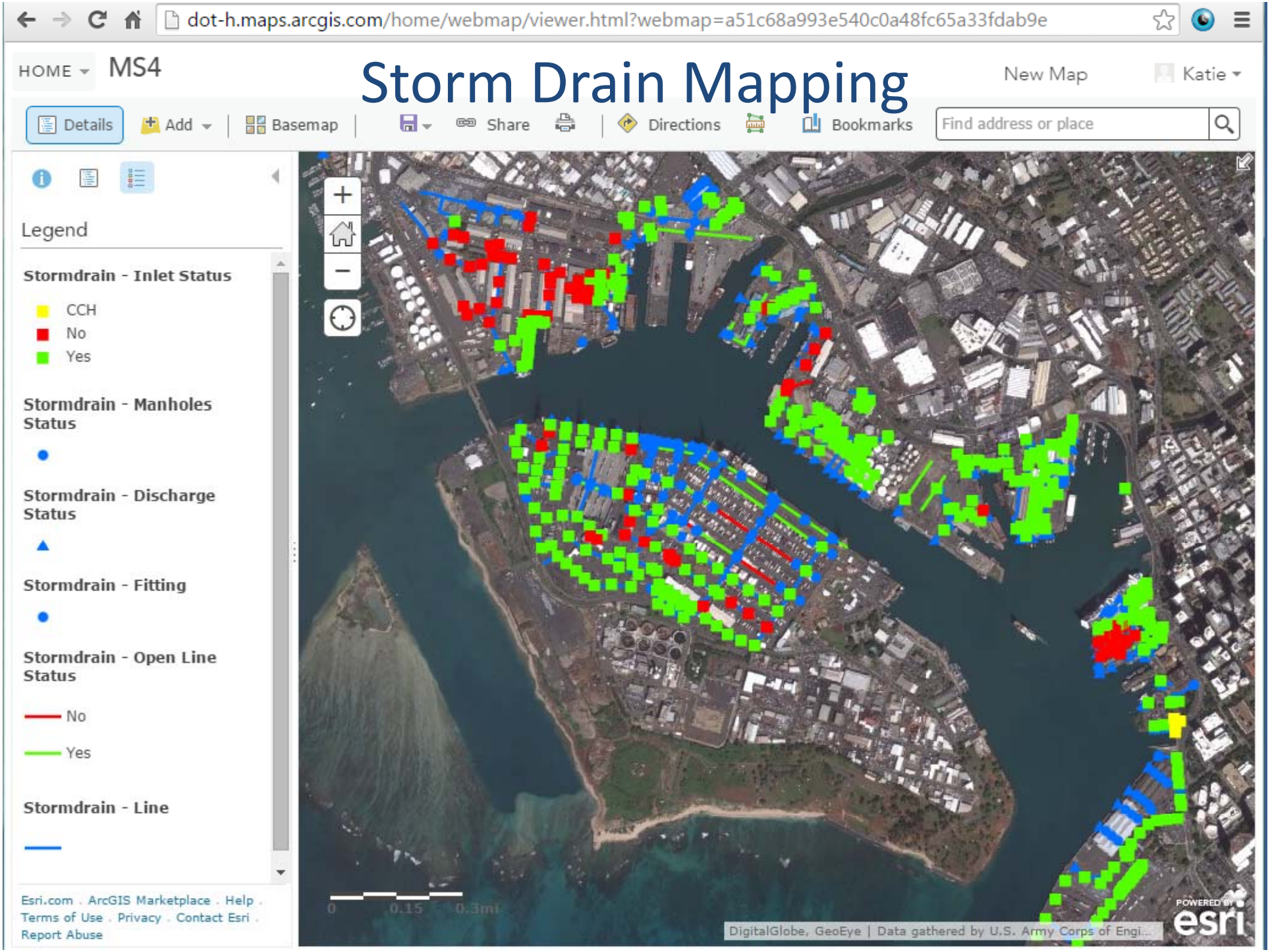
Spill Response

5. Clean-up
6. Decontaminate and Dispose of Wastes
7. Complete Required Report

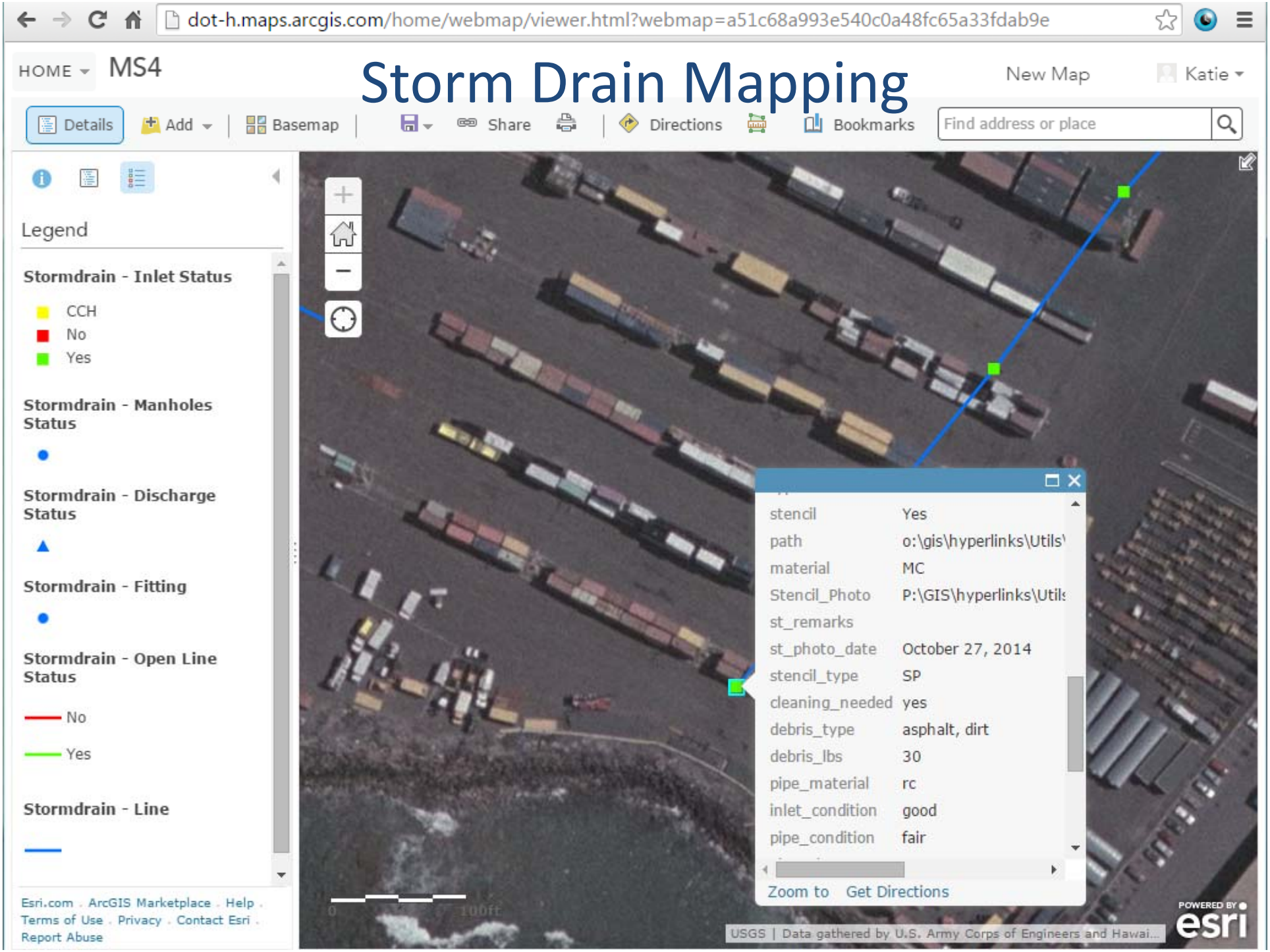
Spill Notifications

- Regulatory reportable quantity:
  - Notify Harbors of spills.
    - 24/7: 808-587-2076 (Harbor Traffic Control Unit).
  - National Response Center.
    - 800-424-8802.
  - Department of Health, HEER
    - 586-4249.
  - Department of Health, CWB.
    - 586-4309.

Storm Drain Mapping



Storm Drain Mapping



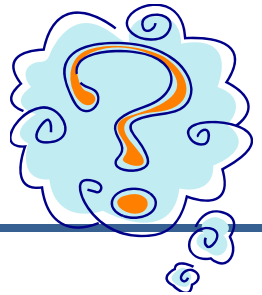
Storm Drain Labeling and Cleaning

Construction / Post-Construction

Iwilei District Participating Parties

Carol Mitsuyasu,
IDPP Project Coordinator

Questions



- Harbors' Website: http://hidot.hawaii.gov/harbors/library/storm-water-management/.
- Harbor's Contacts:
  - Reporting Hotline (Harbors Traffic Control): 587-2076.
  - Randal Leong, P.E.: 587-1962, randal.leong@hawaii.gov.
  - Joy Zhang, P.E.: 587-1960, ying.j.zhang@hawaii.gov.
  - Spencer Yim, P.E., 587-1963 Spencer.K.Yim@hawaii.gov.
  - Michele Freitas: 587-1976, michele.gn.freitas@hawaii.gov.

Please Complete Training Evaluation

Survey Answers:

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   d. a and b.

2. Where does storm water runoff go after it enters the storm drain?
   a. CCH sewer system.
   b. Through the storm drain system and into the harbor without treatment.
   c. EPA's front door.
   d. None of the above.

3. Which of the following are permitted to be discharged into the storm drain?
   a. Unpolluted AC condensate water.
   b. Gasoline, diesel, used oil, and paints.
   c. Rainwater
   d. a and c.

4. What is the definition of an illicit discharge?
   a. A non-stormwater discharge that poses a risk to the environment.
   b. A stolen discharge.
   c. Stormwater entering the storm drain.
   d. None of the above.

5. The picture below is a good example of Best Management Practice (BMP) because:
   a. Drums are properly marked and equipped with secondary containment.
   b. Drums are empty.
   c. Oil is not a pollutant.
   d. None of the above.

6. Which of the following are good examples of BMPs for vessel maintenance activities?
   a. Washing salt off vessel exterior using clean water only.
   b. Perform maintenance while vessel is out of the water, such as in dry dock.
   c. Use a tarp or other containment device to capture drips/chips from painting or grinding operations.
   d. All of the above.

7. Which of the following activities can generate stormwater pollutants?
   a. Fueling without spill containment.
   b. Improperly contained vehicle washing.
   c. Uncontained material storage.
   d. All of the above.

8. True or False? Every tenant should have a spill kit on-site to promptly respond to spills that may occur.
   a. True.
   b. False.

9. If construction activities are planned for a tenant space at Honolulu Harbor or Kalaeloa Harbor, what is required?
   a. Contractor may commence at will.
   b. Tenant must follow the requirements in Harbors Construction Site Runoff Control Manual.
   c. Tenant must obtain an NPDES permit from the Department of Health if the work will disturb one acre or more.
   d. B & C.

10. True or False? According to the Hawaii Revised Statutes Title 15 Chapter 266, fines of $10,000 per violation per day can be issued for environmental violations.
   a. True.
   b. False.

Attachment 6.c

Tenant Training Sign-In Sheets

HDOT Harbors Annual Tenants Stormwater Awareness Training Sign-in Sheet

- August 18, 2015

No.	Name	Company	E-mail Address	Phone #	Initials
1	Ross L Dolfo	Hawaiian Cement	ross.dolfo@hawaiiancement.com	330-3914	RD
2	Robert Steinke	Steinke Bros. Inc	FAX 486-9458	478-9777	[illegible]
3	Robin Rothwell	Atlantis Submarines	rrothwell@atlantisadventures.com	306-2572	RR
4	Kekua Keli'i	Atlantis Submarines	" "	" "	
5	Rodney Yee	Pioneer Machinery	pioneermach@Gmail	371-4892	Ry
6	Gayle Saito	Unify Recovery		256-7266	[illegible]
7	Steve Hinton	Marisco, Ltd.	shinton@marisco.net	306-5935	SH
8	Ronald Chun	Honolulu Marathon	jchun@honolulumarathon.org	255-2645	RC
9	James Marrayo	Ron's Concrete Specialist	James@ronsconcretespecialist.com	(808) 561-0749	[illegible]
10	Ken Nishida	Attorney General	Ken.k.nishida@hawaii.gov	478-2112	Ken
11	Joe F. Vele	Dependable Hawaiian Express	Joe.Vele@dhx.com	590-3208	[illegible]
12	Matt Tongg	American Marine Corp	Tongg@amarinecorp.com	216-7847	
13	[illegible]	Norko Marine	AGENTS@NORKOMARINE.COM	136-4788	[illegible]
14	William Silva	Star of Honolulu		781-9438	[illegible]
15	Ryan Hachuka	Star of HON	—	679-2150	RH
16	Guy Pilago	Star of Hon.	—	695-5894	GP
17	NAOI YUEN	Fresh Island Fish	naoi@freshislandfish.com	831-4911	[illegible]
18	FRANCIS YOSHIDA	OCEANTRONICS, INC	francis@oceantronics.net	522-5600	[illegible]
19	Jonathan Satre	Aloha Marine Lines	JSatre@Lynden.com	(206) 436-9687	JS
20	Richard Preston	Aloha Container S/K		(808) 306-3748	RP

"Malama i ka kai" Protect our harbor waters

HDOT Harbors Annual Tenants Stormwater Awareness Training Sign-in Sheet

- ~~September 10, 2015~~ August 18, 2015

No.	Name	Company	E-mail Address	Phone #	Initials
1	Glenn Jinbo	HFFC / ASIG	glenn.Jinbo@asig.com	570-0572	G.J.
2	Rodney Tamamoto	Aala Ship Svc	sales@aalaship.com	478-8732	RT
3	Herb Nakiri	Hawaii Pilots	HawaiiPilots.com		H.N.
4	CHRIS BRODY	ERIK Builders	cbb145@MSN.com	722-0868	CBB
5	ROSS BARNES	U.H. MARINE CENTER	pom@soest.hawaii.edu	864-0122	R.B.
6	JIM HEIMANN	WIND & SEA CHARTERS	jmh@LAVA.net	220-7675	JH
7	DANIEL SONOGNINI	HAWAIIAN CEMENT	Dan.Sonognini@hawaiiancement.com	864-0M5	DS
8	Gordon Furtado	DHX	gordon.furtado@dhx.com	590-3186	GKF
9	JONATHAN SULLIVAN	BEI	jsullivan@beihawaii.com	535-6025	JS
10	GuyLarson Hicks	STAR of Honolulu	ghicks@starofHonolulu.com	726-1884	GH
11	KALEOPAAOAO-SALORIZMAN	SOH	KALEOSALORIZMAN@YAHOO.COM	670-0435	KPS
12	BILL McCARTHY	HEALY TIBBITTS BUILDERS	WRMCCARTHY@HEALYTIBBITTS.COM	4792938	WM
13	Glenn Toyama	Healy Tibbitts Builders	gttoyama@healytibbitts.com	368.1581	GT
14	ANDREW SOUZA	McCabe Hamilton	andrewsouza16@msn.com	479-0356	AD
15	Chris Woolaway	Friends of FALLS OF Clyde	chris@woolaway.com	753-3311	CW
16	FRANK ROZNESKI	HAWAII STEVEDORES	FRANK.ROZNESKI@HAWAII.COM	842-5358	FR
17	ERIC LEONG	HAR-PM	eric.leong@hawaii.gov	587-1943	EL
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HDOT Harbors Annual Tenants Stormwater Awareness Training Sign-in Sheet

- ~~September 10, 2015~~
August 18, 2015

No.	Name	Company	E-mail Address	Phone #	Initials
1	BERT BARBER	~~BLIZZARD HAWAII~~ NANAKULI HOUSING CORP.		842-0770	BB
2	Jamie Feldhacker	Grace Pacific	jfeldhacker@gracepacific.com	348 4895	JF
3	GUY FUJITA	HAWAIIAN CEMENT	GUY-FUJITA@HAWAIIANCEMENT.com	306-8861	GF
4	Chase Brown	Star of Honolulu	Brown.chase808@gmail.com	321-4264	CB
5	Alexander Kea	Star of Honolulu	alika_kea@yahoo.com	387.2865	AK
6	Phillip Castillion	Pacific Shipyard Int.	PCastillion@pacificshipyards.com	202-7739 cell	PC
7	Emily Odell	~~Blizzard~~ Pacific Shipyards Internat.	eodell@pacificshipyards.com	808 848 6241	EO
8	Clarisse Lee	Pacific Shipyards Internat.	clarisselee17@gmail.com	808 393-9639	CL
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HDOT Harbors Annual Tenants Stormwater Awareness Training Sign-in Sheet

~~- September 10, 2015~~
August 13, 2015

808371-8865

No.	Name	Company	E-mail Address	Phone #	Initials
1	Byron Fonseca	Er. E Builders	byronfonseca@hawaiiantel.net		
2	DAVid Zeidler	HAWAIIAN cement	drgneel@YAHOO.com	408-204-1723	
3	SCOTT TANIYAMA	BEI HAWAII	staniyama@beihawaii.com	532-7404	
4	Wade Matsueda	Star of Honolulu	wmatsueda@starofhonolulu.com	282-6512	
5	Dillon Kagle	Star of Honolulu	Dillon.k34@gmail.com	352 4482	
6	Frank White	Container Storage	frank@fdwhite.com	841-5555	
7	RAYMOND RODRIGUEZ	VAK Fisheries LLC	support@vakfisheries.com	843-2229	
8	Nathan Kapule	Young Brothers	nkapule@ybtug.com	5439398	
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HDOT Harbors Annual Tenants Stormwater Awareness Training Sign-in Sheet

- September 10, 2015

No.	Name	Company	E-mail Address	Phone #	Initials
1	Monte Kalama	Matson	mkalama@matson.com	479-4651	MK
2	Patrick Gallu	Clean Island Council	tcsnopt@yahoo.com	951-907-1508	PG
3	A. K. Colburn	Hawaii Gas	acolburn@hawaiigas.com	357 9720	[illegible]
4	Bruce McEwan	Friends of Ports of Honolulu	bmcewan@hawaiantel.com	265-1141	BM
5	Dane Martin	Matson	dmartin@matson.com	286-7074	DM
6	Tyler Pryne	HBN	typryne@gmail.com	478 8844	TP
7	Kristi Lim	Hawaiian Agua Products	kris@foolimandsons.com	396-3908	KL
8	Gordon Fowler	FHR Water Taxi	gfowler@HawaiiRG.com	753-7555	GRF
9	[illegible]	+ Hawaii Resource Grp			
10	Theresa Alcosiba	Norman's Tractor Service	nk9689@hotmail.com	778-0344	[illegible]
11	Kendall Kwock	Hawaii Stevedores	kendall_kwock@pashanet.com	859-0005	[illegible]
12	Rae Miyasaki	JFC International, Inc.	rmiyasaki@jfc.com	537-9528	RM
13	Brendan McEntee	Na Hoku II & Manu Kai	mcenteebp@gmail.com	978-852-6605	BM
14	Dane Wurlitzer	Hawaiian Cement	Dane.Wurlitzer@hawaiiancement.com	532 3407	DW
15	Patti Miyashiro	Harbors / PM	patti.e.miyashiro@hawaii.gov	587-1942	pm
16	Carl Young	HAR-PM	carl.g.young@hawaii.gov	587-1945	[illegible]
17	Jessie Galaviz	Petrospect	ops@petrospect.net	536-6631	[illegible]
18	Terry N. Aquino	Hawaiian Ice Comp	sales@hawnice	538-6918	
19	Tiare Kalua	Sause Bro	kaluatiarakina@gmail.com	743-4644	
20	Floyd Otani	United Fishing Agency	f.otani@unitedfishingagency.com	536-2148	

"Malama i ke kai" Protect our harbor waters

HDOT Harbors Annual Tenants Stormwater Awareness Training Sign-in Sheet

- September 10, 2015

No.	Name	Company	E-mail Address	Phone #	Initials
1	Tor Harris	Sea Engineering, Inc	tharris@seaengineering.com	(603)978-6800	TH
2	Sandy Kusumoto	Inchcape Shipping	sandy.kusumoto@iss-shipping.com	521-2111	S.K.
3	Dan Otani	United Fishing Agency Ltd	dtyo27@gmail.com	808-5362148	
4	Steven Cross	Niu Nursery	niunursery@msn.com	225-3662	SC
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HDOT Harbors Annual Tenants Stormwater Awareness Training Sign-in Sheet

- September 10, 2015

No.	Name	Company	E-mail Address	Phone #	Initials
1	ED. Au	ELP ASPHALT	EAU@ASPHALTHAWAII	47-9-5670	
2	WAYNE KAGAMI	KAGAMI INC.	INKAGAMI@GMAIL.COM	479-5165	
3	James Pontin JR.	KIRBY OFFSHORE	James.PontinJR@Kirbycorp.com	208-1089	JP
4	Jeff Lansdown	Wikoliana Educational	wikoliana@gmail.com	230-0940	
5	Jeff Lansdown	Friends of Hokulea & Hawaiian	wikoliana@gmail.com	256-1841	
6	RANDALL LAU	YOUNG BROTHERS / FOSS	rlau@ybtug.com	753-7340	
7	KEOLA GOO	JAS. W. GLOVER, LTD	KEOLAG@GLOVERLTD.COM	591-8977	SKG
8	Nathan Gabay	Concrete Coring dba Penhall	NGabay@penhall.com	330-7516	NG
9	Eugene Gillis	Excavation Services	Kgillis@hawaii.rr.com	383-1959	
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HDOT Harbors Annual Tenants Stormwater Awareness Training Sign-in Sheet

- September 10, 2015

No.	Name	Company	E-mail Address	Phone #	Initials
1	PAUL FUKUNAGA	PF MARINE	PFMARINE@AOL.COM	2209425	P.F.
2	Shanyn Kaniho[illegible]	PENCO	shanyn@penco.org	~~245~~ 545-5191	[illegible]
3	PAUL KAIPO PONIMAIKAI	SAUSE BROS	KAIPO.P@SAUSE.COM	864-6381	
4	NEIL KANEMATSU	P.O.P./NICO'S	neil@pop-hawaii.com	478-9002	[illegible]
5	LAUREEN McCOY	AES KALAELOA	LAUREEN.MCCOY@AES.COM	682-3422	[illegible]
6	DUSTON ONAGA	Amazen Const. Co. Inc.	donaga@hawaiiantel.net	841-6595	DO
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"Malama i ke kai" Protect our harbor waters

HDOT Harbors Annual Tenants Stormwater Awareness Training Sign-in Sheet

- September 10, 2015

No.	Name	Company	E-mail Address	Phone #	Initials
1	Nelson Abecilla	United Fishing Agency	Nelson.abecilla@unitedfishingagency.com	808 536-2454	NA
2	Ron Hager	Hawaii Stevedores & Pasha	Ron Hager at pashanet.com	803 316 7476	RH
3	Rebecca Fan	RFC. Group	66 Queen St #1702	478-6688	RC
4	Marshall Foy	Jems Enterprises, LLC	marshall@hawnica.com	265-3291	MF
5	Dre Kalili	DOT Harbors	dreanalee.k.kalili@hawaii.gov	587-3051	DK
6	Linda Goldstein	Ameron Hawaii	linda.goldstein@ameronhawaii.com	266-2672	LG
7	Puni Chee	Dot Harb	Hawaii.p.chee@hawaii.gov	587 1907	PC
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Attachment 6.d

Tenant Environmental Manager of the Year (TEMY) Award Letter and Plaque

EXECUTIVE CHAMBERS

HONOLULU

DAVID Y. IGE
GOVERNOR

August 18, 2015

Mr. Frank Roznerski
Manager Security/Safety/Hazmat
Hawaii Stevedores, Inc.
1601 Sand Island Parkway
Honolulu, Hawaii 96819

Dear Mr. Roznerski:

I am pleased to present you with our fifth annual State of Hawaii Department of Transportation, Harbors Division, Tenant Environmental Manager of the Year award.

Each year, the Harbors Division recognizes the tenant environmental manager who has implemented exemplary environmental and safety practices, and fosters an exceptional company environmental culture. I applaud your efforts as a leader in implementing environmental policies and protecting our waters at Honolulu Harbor.

Your environmental program was selected from 48 tenant programs evaluated during our 2014 annual Storm Water Compliance inspections. The award acknowledges the positive contributions and significant improvement you and your company have made toward protecting our valuable ocean resources. The programs at your facility and your valuable influence in making environmental awareness a key component of your company culture is genuinely appreciated. Your program is a model for similar facilities and a positive example for others to follow as they improve their environmental and safety systems.

Congratulations and please continue to work with the Harbors Division and your fellow tenants in keeping our harbor waters clean for future generations. *Mālama i ke kai!*

Sincerely,

DAVID Y. IGE
Governor, State of Hawaii

THE STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HARBORS DIVISON

presents the

2015 TENANT ENVIRONMENTAL MANAGER OF THE YEAR

to

FRANK ROZNERSKI

Hawaii Stevedores, Inc.

for

Exemplary Management of a Tenant Stormwater Program
Focused on Directing Meaningful Change

"Mālama I Ke Kai" – Protect Our Harbor Waters

Attachment 6.e

Tenant Training Feedback Summary

Training Date	No. or Responses	Quality of Content (Avg.)	Quality of Content (%)	Quality of Perormance (Avg.)	Quality of Perormance (%)
8/18/2015	51	4.59	92%	4.61	92%
9/10/2015	39	4.50	90%	4.68	94%
TOTAL	**90**	**4.54**	**91%**	**4.64**	**93%**

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Chris Woolaver *(optional)* **Company Name:** Friends of Falls of Clyde *(optional)* **Date:** 8/19/2015

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

IDPP

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Can Harbors share the information collected Storm drain mapping

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Nathan Kapule *(optional)* **Company Name:** Young Brothers Ltd *(optional)* **Date:** Aug 18 2015

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

- Storm water Mapping
- Toxic Substances in Ocean Debris

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments: At times pictures were difficult to see/recognize

Overall good info

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Raymond Rodriguez *(optional)* **Company Name:** VAK Fisheries *(optional)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	(3)	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	(3)	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: ERIC CEDNG *(optional)* **Company Name:** HAR-PM *(optional)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

I liked the photos in the brochures (BUT needed reading glasses to see) re storage haz indoors under cover + cover fueling areas, drain inlet protected and properly contained stockpile.
NEED More photos examples LARGER PHOTOS illicit discharges MINI-POSTER BROCHURES w/ LARGER PHOTOS GOOD BMPS TO POST ON COMPANY WALLS for employees as a daily reminder.

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name:_____ **Company Name:** STAR OF HAW **Date:** _____
(optional) *(optional)*

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

N/A

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

N/A

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

N/A

Additional Comments:

N/A

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Matt Tongg *(optional)* **Company Name:** American Marine *(optional)* **Date:** 8-18-2015

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

Vessel General Permits

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Air conditioning

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments: Great Presentation

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: _____ **Company Name:** _____ **Date:** 8/18/15
(optional) *(optional)*

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

like the days :)

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

—

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Glenn Jinbo *(optional)* **Company Name:** HFC/MAS16 *(optional)* **Date:** 8.18.15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

SCREEN - The wall is to Low.

Additional Comments: Facility - AC or Electric Fans would be Welcomed.

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Ross Barnes *(optional)* **Company Name:** U.H. Marine Center *(optional)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

How often are inspections

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

None at this time.

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Everything was good

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Jamie Feldhacker *(optional)* **Company Name:** Grow Pacific *(optional)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

Harbor storm water mapping system.

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name:_____ **Company Name:** _____ **Date:** _____
~~(optional)~~ ~~(optional)~~

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?
Nothing real informative

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)
All Good

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Ross L Dollo *(optional)* **Company Name:** Hawaiian Cement *(optional)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

None

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Great Information Dont need to change

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Glenn Tagami *(optional)* **Company Name:** LTBL *(optional)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Robin Rothwell *(optional)* **Company Name:** Atlantis Submarines *(optional)* **Date:** 18-Aug-15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
   Spill reporting + response

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?
   Fix the A/C

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)
   Speakers were effective

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Bill McCarthy ~~(optional)~~ **Company Name:** Hilary Tibbetts ~~(optional)~~ **Date:** 8/18/2015

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Jim Hamana *(optional)* **Company Name:** Wind & SEA charters *(optional)* **Date:** 8.18.15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

speakers DID A good job

Additional Comments: 98% N/A to my small operation
But still informative

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: ~~Gary~~ Gayle Saito *(optional)* **Company Name:** Unity Recovery *(optional)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

Storm drain debry despensing

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

more detail in clean outs of storm drains

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

could be more clearly spoken.

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Frank White *(~~optional~~)* **Company Name:** Container Storage *(~~optional~~)* **Date:** 8/19/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

Some

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Delivery was clear & with good volume

Additional Comments:

NC

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Jonathan Soto *(optional)* **Company Name:** AML *(optional)* **Date:** 8-18-15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

SPill & Specific BMP

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

A/C

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: L BRODY *(optional)* **Company Name:** EHK Builders *(optional)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

TURN A/C UP

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Ron Chan *(~~optional~~)* **Company Name:** Honolulu Marathon *(~~optional~~)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
All about areas covered adequately

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?
None Keep up the good work

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)
Need an air conditioned space for this 2 hour session.

Additional Comments: None

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: James Manaoapo *(optional)* **Company Name:** Ron's Concrete Specialist. *(optional)* **Date:** 8-18-15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
   All pertinant content was introduced.

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?
   AC would be nice - other than that good job.

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:
See you guys next year.

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Gordon K. Furtado III *(optional)* **Company Name:** DHX *(optional)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
   More examples from actual tenants on preventative maintenance
3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments: Good speakers well knowledged.

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: NAOI YUEN *(optional)* **Company Name:** FRESH ISLAND FISH *(optional)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

How to think like an inspector.

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

N/A

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Good use of AV equip

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: DANIEL SORLOGNINI (~~optional~~) **Company Name:** HAWAIIAN CEMENT (~~optional~~) **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

HOW TO DISPOSE OF CONTAMINATES ONCE THEY ARE CAPTURED.

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

ADD HANDOUTS, WEBSITE ADDRESSES...

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: GUY FUJITA *(optional)* **Company Name:** HAWAIIAN CEMENT *(optional)* **Date:** 8-10-15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	(3)	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
   IMPLEMENTATION ON IMPROVEMENT
   WHAT IS BEING DONE TO ADDRESS ISSUES

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?
   MORE INTERACTION LESS LECTURING

Performance

4. Please rate the delivery of the training. *(circle one)*

1	(2)	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: David Zeidler *(optional)* **Company Name:** Hawaiian cement *(optional)* **Date:** Aug 18, 2015

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
most common problems found.

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Byron *(optional)* **Company Name:** Earl & Sons *(optional)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

All good

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: FRANCIS YOSHIDA *(optional)* **Company Name:** OCEANTRONICS, Inc *(optional)* **Date:** 8-18-15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Joe F. Vele *(optional)* **Company Name:** Dependable Hawn Express *(optional)* **Date:** 08/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
   Adopt a harbor.
   Storm water Permits

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?
   Cooler Room. Too hot & uncomfortable.

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)
   Very Good

Additional Comments:
Better Room Temperature. Too hot.

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Wade Matzeede *(optional)* **Company Name:** Star of Honolulu *(optional)* **Date:** 18 Aug, 2015

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
   I believe the content is good where it is.

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?
   Nothing

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments: Thank you for the emphasis on comfort.

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Chase Braun *(optional)* **Company Name:** Star of Honolulu *(optional)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

N/A Overall good info.

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Y. KINOSHITA (~~optional~~) **Company Name:** NORTH MARINE AGENCY (~~optional~~) **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Rodney Yee *(optional)* **Company Name:** Pioneer Machinery Inc *(optional)* **Date:** Aug 18 2015

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

none

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

none

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	(3)	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

none

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: BERT BARBER *(optional)* **Company Name:** BACKYARD HAWAII NANAKULI HOUSING CORP *(optional)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
   WHO MAINTAINS DRAINS

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: SCOTT TANIYAMA *(~~optional~~)* **Company Name:** BEI HAWAII *(~~optional~~)* **Date:** 08/15/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)
GREAT PRESENTATION. VERY WELL PREPARED & ARTICULATED

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: William Silva *(optional)* **Company Name:** Star of Honolulu *(optional)* **Date:** 8/12/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
Storm drain spills & Debuney

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future? N/A

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)
good. but hot

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Andrea Souza *(optional)* **Company Name:** McCabe Hamilton & Renny *(optional)* **Date:** 8-18-15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

Same

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

List of Contacts at end of Training (up-dated)

AC Classroom

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

OK.

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: STEVE HINTON *(optional)* **Company Name:** MARISCO *(optional)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

THIS WAS SUFFICIENTLY COMPREHENSIVE

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

N/A

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

N/A

Additional Comments: GREAT PRESENTATION ON AMS AND CITIWORKS

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Rodney Yamamoto *~~(optional)~~* **Company Name:** ADA Security Svc *~~(optional)~~* **Date:** 8-18-15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
AREAS WHERE THE STORM DRAINS ~~AREAS~~ ENTER INTO THE HARBOR

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?
THE presentation was very self explonitory

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)
all presenters were very good -

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Phillip Castellano *(optional)* **Company Name:** Pacific Shipyards Int'l *(optional)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

None

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

AC cooler room

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Very good.

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Emily Odell ~~(optional)~~ **Company Name:** PSI ~~(optional)~~ **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
   Expected changes with compliance ~ any noted trends between tenants?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?
   A/C please

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)
   Great Speakers ~ nice use of video to illustrate the complex problem (bring on context)

Additional Comments:

Great Presentation ~ excited for Cityworks

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Clarisse Lee ~~(optional)~~ **Company Name:** Pacific Shipyards Int. ~~(optional)~~ **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
How to create a culture of environmentalism at work

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?
- More interactive material
- fans?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)
Great speakers, perhaps more interactive activities

Additional Comments: the video was great! ☺

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Robert Steinke *(optional)* **Company Name:** Steinke Bros inc *(optional)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

Same

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

good Job, Same

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments: needs A.C.

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: KALEO PAAOAO SALOMON Company Name: S.O.H. Date: 8/19/2015
~~(optional)~~ ~~(optional)~~

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

   1 (Needs Improvement) 2 3 4 (5) (Excellent)

2. What topic(s) would you like to have more information on next training?

   N/A

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

   N/A

Performance

4. Please rate the delivery of the training. *(circle one)*

   1 (Needs Improvement) 2 3 4 (5) (Excellent)

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

   AWSOME

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name:_____ **Company Name:** _____ **Date:** _____
~~(optional)~~ ~~(optional)~~

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	(3)	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

N/A

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Colder room, too hot, shorter meetings

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Richard Preston *(optional)* **Company Name:** Aloha Container *(optional)* **Date:** 8-18-15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Jonathan Sullivan *(optional)* **Company Name:** BEI *(optional)* **Date:** 8.18.15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

Very concise + compact
- availability to expand

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

cooler venue

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Dillon Kyle *(optional)* **Company Name:** Star of Honolulu *(optional)* **Date:** 8/18

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
   N/A

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?
   N/A

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)
   The speakers were good.

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Hawaii Pilots *(optional)* **Company Name:** Herb Nahinu *(optional)* **Date:** 9-10-15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
   All topics Very Well Done!

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Guy Pitzer *(optional)* **Company Name:** Star of Honolulu *(optional)* **Date:** 8/18/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
   What would someone do if there was a small spillage in the water

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?
   It was great, information wise continue the great job

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)
   perfect

Additional Comments:

MĀLAMA I KE KAI –
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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Dre Kalili **Company Name:** DOT Harbors **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

A handout will be helpful, or access to presentation materials following the training.

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Presentation was well-done & well-delivered.

Additional Comments: Thank you!

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Captain Jeff **Company Name:** _____ **Date:** _____

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

Well done

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Was Excellent

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Was Excellent

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Captain Jeff **Company Name:** Wikoliana **Date:** 9-10-15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

Well done

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

WAS Excellent

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

WAS Excellent

Additional Comments:

MĀLAMA I KE KAI –

PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: LAWNSEN MCla (~~optional~~) **Company Name:** ABS KALAEOWA (~~optional~~) **Date:** 9-10-15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

   1 Needs Improvement — 2 — 3 — (4) — 5 Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

   good training / covers THE BASIS IN AN EASY TO RELATE TO WAY

Performance

4. Please rate the delivery of the training. *(circle one)*

   1 Needs Improvement — 2 — 3 — (4) — 5 Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

   good —

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: DANE WUNLITERN **Company Name:** HAWAIIAN CEMENT **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

MORE BMP EXAMPLES

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

MAKE VIDEO TO PRESENT TO OUR PEOPLE

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

GOOD JOB

Additional Comments:

OFFER THIS MORE OFTEN

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: ED. Au **Company Name:** GLP Asphalt **Date:** 9-10-15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
   MORE on different types of Run-off

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?
   MORE on preventive measures

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Bruce McBride **Company Name:** Friends of Pals of Condo **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

   1 Needs Improvement   2   3   4   (5) Excellent

2. What topic(s) would you like to have more information on next training?

   MORE DETAILS ON INSPECTION PROCESS

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

   GOOD BALANCE SO NO NEED TO CHANGE.

Performance

4. Please rate the delivery of the training. *(circle one)*

   1 Needs Improvement   2   3   4   (5) Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

   VERY SMOOTH PRESENTATIONS

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: LINDA GOLDSTEIN *(optional)* **Company Name:** AMERON HAWAII *(optional)* **Date:** 9/10/2015

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

YOU HAVE A GOOD MIX OF TOPICS ALREADY
MAYBE GO INTO REPORTING REQUIREMENTS IN A LITTLE MORE DETAIL

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

EXPAND ON THE VESSEL REQUIREMENTS
– APPLIES TO OUR CONTRACTORS?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

EVERYONE DID VERY WELL ON ALL POINTS
(THE AUDIENCE WAS TOO QUIET!)

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Rebecca ~~(optional)~~ **Company Name:** RFC Group ~~(optional)~~ **Date:** 09/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Patrick Wille **Company Name:** Clean Island Council **Date:** _____

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

containment - procedures

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Good Job

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Rae Miyasaki **Company Name:** JFC International Inc. **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

Not sure.

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

For new people coming into these meetings. Reading out the acronyms would be helpful.

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Good job.

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Theresa Alesiba *(optional)* **Company Name:** Norman's Tractor Service *(optional)* **Date:** 2-10-15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

I like the use of guest speakers. That's Great!
Change ~~pace~~ pace of only 1 person speaking.

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: KEOLA GOO **Company Name:** JAS. W. GLOVER, LTD **Date:** 09/10/2015

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

EXAMPLES [redacted] OF TYPES OF CONTROLS (ENGINEERING, STRUCTURAL, ETC)

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

NEED TO DIM THE LIGHT MORE IN ORDER TO BETTER SEE THE SLIDES.

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Carl Young **Company Name:** HAR- PM **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments: That Tim ~~Ba~~ guy was esspecially good!

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Shanyn Kaiahoa **Company Name:** PENCO **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

None. Very good presentation

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

More information on BMP and where to purchase absorbant material and spill kits.

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Very well put together.

Additional Comments:

Thank you for the recognition 😊

MĀLAMA I KE KAI –
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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Gordon Fowler **Company Name:** Hawaii Resource Grp P+R Water Taxi **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
How much Harbor Pollution originates with Tenants and How much from The whole city upstream?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: NEIL KANEMOTO **Company Name:** POP / NICO's **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

HANDOUTS W/ IMPORTANT #'S

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

QUESTION & ANSWER SESSION @ THE END OF EACH SECTION.

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

BEST ONE YET

MĀLAMA I KE KAI –
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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Kristin Lim **Company Name:** Hawaiian Aqua Products **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
   Can't think of anything specific

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?
   Nothing

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)
   Excellent

Additional Comments:
Thank you for adding the large fans in the room

MĀLAMA I KE KAI –
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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Floyd Otani **Company Name:** United Fishing Agency **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Dan Otani **Company Name:** United Fishing Agency **Date:** 9/10/14

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Nelson Abecilla **Company Name:** United Fishing Agency **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

   1 2 3 4 (5)

   Needs Improvement — Excellent

2. What topic(s) would you like to have more information on next training?

   Small Vessel Gen Permit.

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

   N/A.

Performance

4. Please rate the delivery of the training. *(circle one)*

   1 2 3 4 (5)

   Needs Improvement — Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: James Pontin JR. **Company Name:** Kirby offshore **Date:** 09/10/2015

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
   NONE I CAN THINK OF AT THE MOMENT.

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?
   EVERYTHING WAS GOOD, A LOT OF INFO. SHOULD STAY THE SAME.

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Dane Martin **Company Name:** Matson **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

Ø

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Ø

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Good delivery.

Additional Comments:

Ø

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2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name:_____ **Company Name:** _____ **Date:** _____
~~*(optional)*~~ ~~*(optional)*~~

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

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PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Steven Goo *(optional)* **Company Name:** Niu Nursery *(optional)* **Date:** 9/10/18

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:
very helpful and much appreciated

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: KAIPO PUAHALA **Company Name:** SAUSE BROS INC **Date:** 9-10-15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

1- ANNUAL CLEAN-UP AND INSPECTION OF DRAINAGE-

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

1- VOLUME ON PA SYSTEM: LOUDER
- PUT SPEAKER ON STANDS TO INCREASE VOLUME

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

N/A

Additional Comments:

MĀLAMA I KE KAI –

PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Duston Ongcay **Company Name:** Aloha Cargo Co. Inc. **Date:** 9-10-15
~~(optional)~~ ~~(optional)~~

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

   1 Needs Improvement   2   3   (4) [circled]   5 Excellent

2. What topic(s) would you like to have more information on next training?

   none

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

   none

Performance

4. Please rate the delivery of the training. *(circle one)*

   1 Needs Improvement   2   3   (4) [circled]   5 Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

   none

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Jessie Galaviz **Company Name:** Petrospect **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
   Cleaning storm drains

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?
   All good

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)
   Everything went smoothly

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: WAYNE KAGAWA *(~~optional~~)* **Company Name:** KAGAWA TREE *(~~optional~~)* **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

Outfall Protection

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Great Presentation.

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: E.Gillis *(~~optional~~)* **Company Name:** Excavation Serv *(~~optional~~)* **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

The Storm drain pathway in my Area.

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Very Informative

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Every thing was very good this year! An Improvement over last year.

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: KENDALL KWOCK *(optional)* **Company Name:** HAWAII STEVEDORES *(optional)* **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

HARBOR / PIER WASTEWATER DISCHARGE

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

NONE

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

PERFECT.

Additional Comments:

MĀLAMA I KE KAI –

PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Terry N. Aquino **Company Name:** Hawaiian Ice Co. **Date:** 10SEP15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

   1 Needs Improvement — 2 — 3 — 4 — **(5) Excellent**

2. What topic(s) would you like to have more information on next training?

   N/A

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

   None. Excellent Job.

Performance

4. Please rate the delivery of the training. *(circle one)*

   1 Needs Improvement — 2 — 3 — 4 — **(5) Excellent**

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Nathan Sibey **Company Name:** Concrete Coring - Penhall **Date:** 9-10-15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: PAUL FUKUNAGA *(optional)* **Company Name:** PF MARKET *(optional)* **Date:** 9-10-15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Tiare Kalua **Company Name:** PACMAR & Sause Bros **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Malama a **Company Name:** MATSON NAV. **Date:** 9/a/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

HAZARDOUS MATERIAL

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Brendan McEntee **Company Name:** Na Hoku II & Manukai **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

more emphasis on long term effects

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	(5)
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Tor Harris *(optional)* **Company Name:** Sea Engineering Inc *(optional)* **Date:** 9/10/2015

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

Inspections

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

You can delete system integration tools since tenants will not use or encounter them. focus on what matters to tenants

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Good.

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Marshall Foy **Company Name:** DEMS Enterp. **Date:** 9-10-15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?
- Concrete Stem Removal
BP's

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: Kapalu Lau **Company Name:** Young Brothers/FSV **Date:** 9/10/15

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

None

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

None

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	4	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

None

Additional Comments:

MĀLAMA I KE KAI –
PROTECT OUR HARBOR WATERS

2015 DOT HARBORS TENANT TRAINING FEEDBACK

Name: A.K. COLBURN **Company Name:** HAWAII GAS **Date:** 9/10/2015

Presentation Content

1. Please rate the quality of content provided in the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

2. What topic(s) would you like to have more information on next training?

CONTAINMENT.
CLEAN-UP / DISPOSAL

3. DOT Harbors works hard to continually improve these trainings. What can be changed, deleted, or added to the presentation material in the future?

THIS IS MY FIRST SESSION. IT HAS BEEN INTERESTING AND INFORMATIVE. I LOOK FORWARD TO OUR NEXT SESSION.

Performance

4. Please rate the delivery of the training. *(circle one)*

1	2	3	(4)	5
Needs Improvement				Excellent

5. Provide any comments on the delivery of the training (i.e., eye contact with audience, enthusiasm, spoke clearly, volume of voice, posture, timing, etc.)

- BOTH CODY & JOE WERE WELL PREPARED
- ALL SPEAKERS WERE ALSO INFORMATIVE

Additional Comments:

HOME MATTER TIME.

Attachment 6.f

Tenant Training Questionnaire Results

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name:_____ **Company:** _____ **Date:** _____

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   d. a and b.

2. Where does storm water runoff go after it enters the storm drain?
   a. CCH sewer system.
   b. Through the storm drain system and into the harbor without treatment.
   c. EPA's front door.
   d. None of the above.

3. Which of the following are permitted to be discharged into the storm drain?
   a. Unpolluted AC condensate water.
   b. Gasoline, diesel, used oil, and paints.
   c. Rainwater
   d. a and c.

4. What is the definition of an illicit discharge?
   a. A non-stormwater discharge that poses a risk to the environment.
   b. A stolen discharge.
   c. Stormwater entering the storm drain.
   d. None of the above.

5. The picture below is a good example of Best Management Practice (BMP) because:
   a. Drums are properly marked and equipped with secondary containment.
   b. Drums are empty.
   c. Oil is not a pollutant.
   d. None of the above.

6. Which of the following are good examples of BMPs for vessel maintenance activities?
   a. Washing salt off vessel exterior using clean water only.
   b. Perform maintenance while vessel is out of the water, such as in dry dock.
   c. Use a tarp or other containment device to capture drips/chips from painting or grinding operations.
   d. All of the above.

7. Which of the following activities can generate stormwater pollutants?
   a. Fueling without spill containment.
   b. Improperly contained vehicle washing.
   c. Uncontained material storage.
   d. All of the above.

8. True or False? Every tenant should have a spill kit on-site to promptly respond to spills that may occur.
   a. True.
   b. False.

9. If construction activities are planned for a tenant space at Honolulu Harbor or Kalaeloa Harbor, what is required?
   a. Contractor may commence at will.
   b. Tenant must follow the requirements in Harbors Construction Site Runoff Control Manual.
   c. Tenant must obtain an NPDES permit from the Department of Health if the work will disturb one acre or more.
   d. B & C.

10. True or False? According to the Hawaii Revised Statutes Title 15 Chapter 266, fines of $10,000 per violation per day can be issued for environmental violations.
    a. True.
    b. False.

Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Ken Nishida Company: Hawaii General Date: 8/18/15

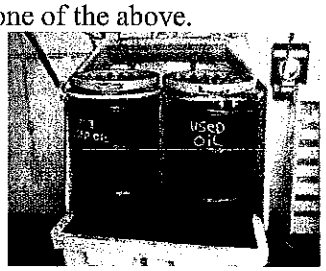
1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   d. a and b.

2. Where does storm water runoff go after it enters the storm drain?
   a. CCH sewer system.
   b. Through the storm drain system and into the harbor without treatment.
   c. EPA's front door.
   d. None of the above.

3. Which of the following are permitted to be discharged into the storm drain?
   a. Unpolluted AC condensate water.
   b. Gasoline, diesel, used oil, and paints.
   c. Rainwater
   d. a and c.

4. What is the definition of an illicit discharge?
   a. A non-stormwater discharge that poses a risk to the environment.
   b. A stolen discharge.
   c. Stormwater entering the storm drain.
   d. None of the above.

5. The picture below is a good example of Best Management Practice (BMP) because:
   a. Drums are properly marked and equipped with secondary containment.
   b. Drums are empty.
   c. Oil is not a pollutant.
   d. None of the above.



6. Which of the following are good examples of BMPs for vessel maintenance activities?
   a. Washing salt off vessel exterior using clean water only.
   b. Perform maintenance while vessel is out of the water, such as in dry dock.
   c. Use a tarp or other containment device to capture drips/chips from painting or grinding operations.
   d. All of the above.

7. Which of the following activities can generate stormwater pollutants?
   a. Fueling without spill containment.
   b. Improperly contained vehicle washing.
   c. Uncontained material storage.
   d. All of the above.

8. True or False? Every tenant should have a spill kit on-site to promptly respond to spills that may occur.
   a. True.
   b. False.

9. If construction activities are planned for a tenant space at Honolulu Harbor or Kalaeloa Harbor, what is required?
   a. Contractor may commence at will.
   b. Tenant must follow the requirements in Harbors Construction Site Runoff Control Manual.
   c. Tenant must obtain an NPDES permit from the Department of Health if the work will disturb one acre or more.
   d. B & C.

10. True or False? According to the Hawaii Revised Statutes Title 15 Chapter 266, fines of $10,000 per violation per day can be issued for environmental violations.
    a. True.
    b. False.

Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Chase Brown **Company:** Star of Honolulu **Date:** 8/18/15

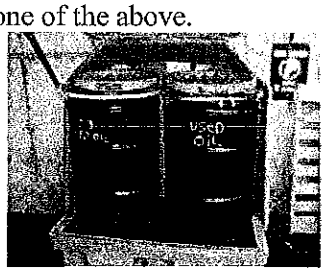
1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   (d) a and b.

2. Where does storm water runoff go after it enters the storm drain?
   a. CCH sewer system.
   (b) Through the storm drain system and into the harbor without treatment.
   c. EPA's front door.
   d. None of the above.

3. Which of the following are permitted to be discharged into the storm drain?
   a. Unpolluted AC condensate water.
   b. Gasoline, diesel, used oil, and paints.
   (c) Rainwater
   d. a and c.

4. What is the definition of an illicit discharge?
   a. A non-stormwater discharge that poses a risk to the environment.
   b. A stolen discharge.
   (c) Stormwater entering the storm drain.
   d. None of the above.

5. The picture below is a good example of Best Management Practice (BMP) because:
   (a) Drums are properly marked and equipped with secondary containment.
   b. Drums are empty.
   c. Oil is not a pollutant.
   d. None of the above.



6. Which of the following are good examples of BMPs for vessel maintenance activities?
   a. Washing salt off vessel exterior using clean water only.
   b. Perform maintenance while vessel is out of the water, such as in dry dock.
   c. Use a tarp or other containment device to capture drips/chips from painting or grinding operations.
   (d) All of the above.

7. Which of the following activities can generate stormwater pollutants?
   a. Fueling without spill containment.
   b. Improperly contained vehicle washing.
   c. Uncontained material storage.
   (d) All of the above.

8. True or False? Every tenant should have a spill kit on-site to promptly respond to spills that may occur.
   (a) True.
   b. False.

9. If construction activities are planned for a tenant space at Honolulu Harbor or Kalaeloa Harbor, what is required?
   a. Contractor may commence at will.
   b. Tenant must follow the requirements in Harbors Construction Site Runoff Control Manual.
   c. Tenant must obtain an NPDES permit from the Department of Health if the work will disturb one acre or more.
   (d) B & C.

10. True or False? According to the Hawaii Revised Statutes Title 15 Chapter 266, fines of $10,000 per violation per day can be issued for environmental violations.
    (a) True.
    b. False.

Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: KALEO PRADO-SALORIMAU Company: S.O.H. Date: 8/18/2015

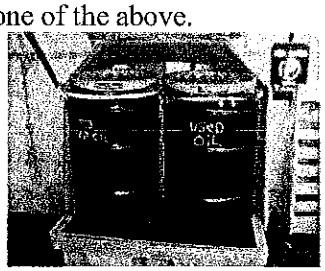
1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   (d.) a and b.

2. Where does storm water runoff go after it enters the storm drain?
   a. CCH sewer system.
   (b.) Through the storm drain system and into the harbor without treatment.
   c. EPA's front door.
   d. None of the above.

3. Which of the following are permitted to be discharged into the storm drain?
   a. Unpolluted AC condensate water.
   b. Gasoline, diesel, used oil, and paints.
   (c.) Rainwater
   (d.) a and c.

4. What is the definition of an illicit discharge?
   (a.) A non-stormwater discharge that poses a risk to the environment.
   b. A stolen discharge.
   c. Stormwater entering the storm drain.
   d. None of the above.

5. The picture below is a good example of Best Management Practice (BMP) because:
   (a.) Drums are properly marked and equipped with secondary containment.
   (b.) Drums are empty.
   c. Oil is not a pollutant.
   d. None of the above.



6. Which of the following are good examples of BMPs for vessel maintenance activities?
   a. Washing salt off vessel exterior using clean water only.
   b. Perform maintenance while vessel is out of the water, such as in dry dock.
   c. Use a tarp or other containment device to capture drips/chips from painting or grinding operations.
   (d.) All of the above.

7. Which of the following activities can generate stormwater pollutants?
   a. Fueling without spill containment.
   b. Improperly contained vehicle washing.
   c. Uncontained material storage.
   (d.) All of the above.

8. True or False? Every tenant should have a spill kit on-site to promptly respond to spills that may occur.
   (a.) True.
   b. False.

9. If construction activities are planned for a tenant space at Honolulu Harbor or Kalaeloa Harbor, what is required?
   a. Contractor may commence at will.
   b. Tenant must follow the requirements in Harbors Construction Site Runoff Control Manual.
   c. Tenant must obtain an NPDES permit from the Department of Health if the work will disturb one acre or more.
   (d.) B & C.

10. True or False? According to the Hawaii Revised Statutes Title 15 Chapter 266, fines of $10,000 per violation per day can be issued for environmental violations.
    (a.) True.
    b. False.

Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Gordon Furtado **Company:** DHX **Date:** 8/18/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   (d.) a and b.

2. Where does storm water runoff go after it enters the storm drain?
   a. CCH sewer system.
   (b.) Through the storm drain system and into the harbor without treatment.
   c. EPA's front door.
   d. None of the above.

3. Which of the following are permitted to be discharged into the storm drain?
   a. Unpolluted AC condensate water.
   b. Gasoline, diesel, used oil, and paints.
   (c.) Rainwater
   (d.) a and c.

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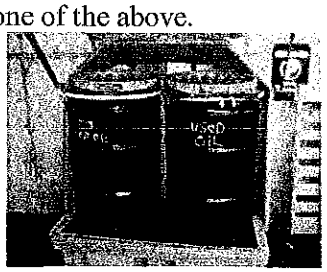

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8. True or False? Every tenant should have a spill kit on-site to promptly respond to spills that may occur.
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   (d.) B & C.

10. True or False? According to the Hawaii Revised Statutes Title 15 Chapter 266, fines of $10,000 per violation per day can be issued for environmental violations.
    a. True.
    (b.) False. $ < 5,000

Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Jamie Feldhacker **Company:** Envie Pacific **Date:** 8/18/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   (d) a and b.

2. Where does storm water runoff go after it enters the storm drain?
   a. CCH sewer system.
   (b) Through the storm drain system and into the harbor without treatment.
   c. EPA's front door.
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3. Which of the following are permitted to be discharged into the storm drain?
   a. Unpolluted AC condensate water.
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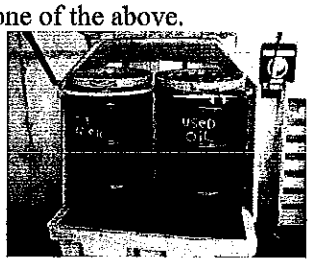

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: CHRIS BRODY Company: ERIK Builders Date: 8/18/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
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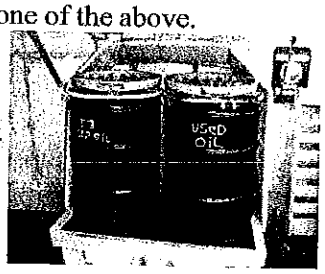

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Rodney Yee Company: Pioneer Machinery Inc. Date: 8/18/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
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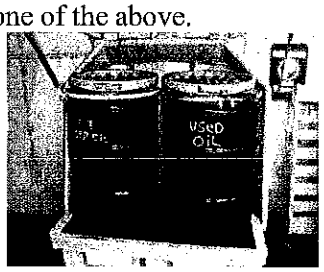

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Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Ross L Dolfs **Company:** Hawaiian Cement **Date:** 8/18/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
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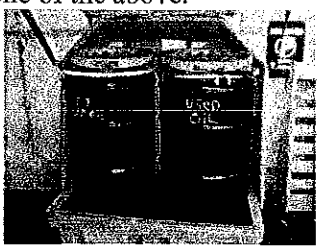

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Ross Barnes **Company:** U.H. Marine Center **Date:** 8/18/15

1. What is the purpose of this annual training?
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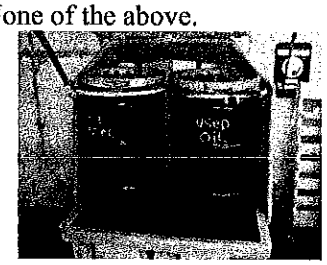

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Steve Hinson **Company:** Matson **Date:** 8/18/15

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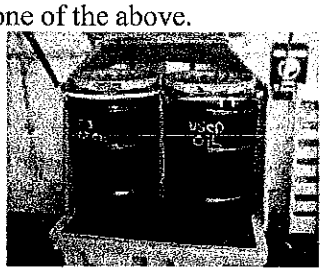

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2015 HDOT Harbors Tenant Training Questionnaire

Name: Ronald Chun Company: Honolulu Marathon Date: 7/27/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
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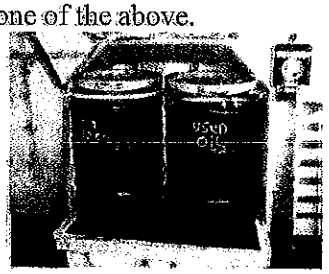

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2015 HDOT Harbors Tenant Training Questionnaire

Name: GUY FUJITA **Company:** HAWAIIAN CEMENT **Date:** 8-14-15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
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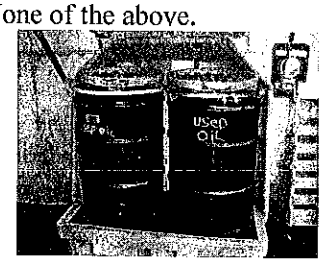

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2015 HDOT Harbors Tenant Training Questionnaire

Name: David Zeidler **Company:** Hawaiian Cement **Date:** Aug 2015

1. What is the purpose of this annual training?
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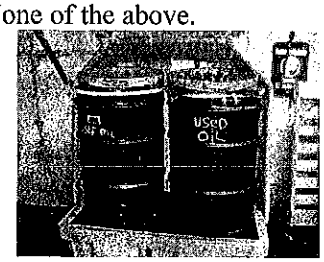

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10. True or False? According to the Hawaii Revised Statutes Title 15 Chapter 266, fines of $10,000 per violation per day can be issued for environmental violations.
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Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Jim Heumann **Company:** Wind & Sea Charters **Date:** 8-18-15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   (b) To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   d. a and b.

2. Where does storm water runoff go after it enters the storm drain?
   a. CCH sewer system.
   (b.) Through the storm drain system and into the harbor without treatment.
   c. EPA's front door.
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3. Which of the following are permitted to be discharged into the storm drain?
   a. Unpolluted AC condensate water.
   b. Gasoline, diesel, used oil, and paints.
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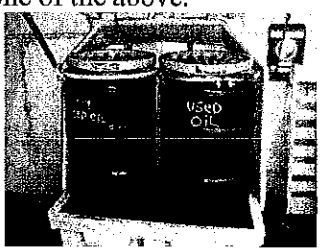

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Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: SCOTT TANIYAMA **Company:** BEI HAWAII **Date:** 09/03/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
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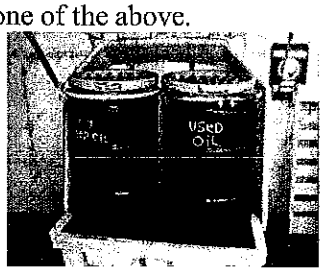

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: James Manoano **Company:** RONS Concrete Specialist **Date:** 8-18-15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
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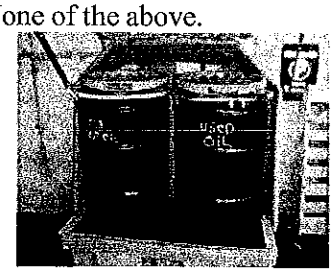

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Please provide your comments here: Training is needed to all tenants well informed and Trained. Thx

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Matt Tongg **Company:** American Marine **Date:** 8-18-2015

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
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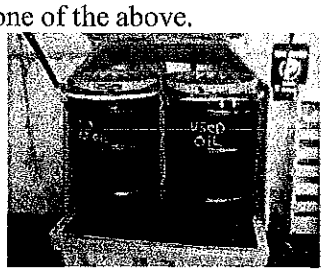

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Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: YASUHIRO (JIMMY) KINUHATA Company: NORKOMARK AGENCY, INC. Date: AUG. 18, 2015

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
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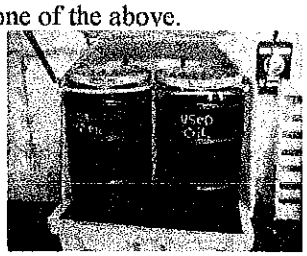

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Joe F. Vela **Company:** DHX/Hon - **Date:** 08/18/2015

1. What is the purpose of this annual training?
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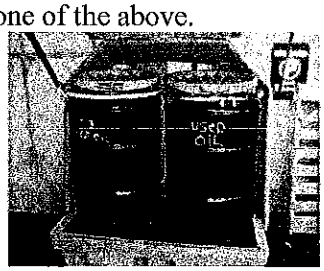

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: JONATHAN SULLIVAN **Company:** BEI **Date:** 8.18.K

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Pete **Company:** EPA **Date:** 8/19/15

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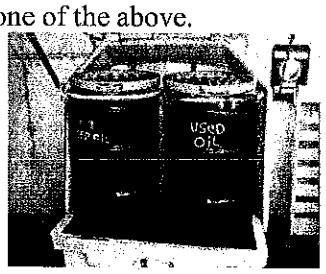

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2015 HDOT Harbors Tenant Training Questionnaire

Name: WILF MCCARTHY **Company:** HEALY TIBBITTS **Date:** 8/12/2015

1. What is the purpose of this annual training?
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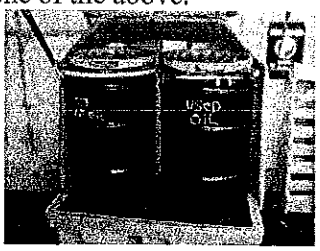

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: FRANCIS YOSHIDA **Company:** OCEANTRONICS, INC **Date:** 8-12-15

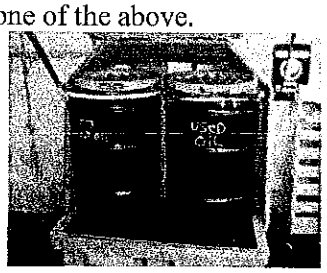
1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   (d.) a and b.

2. Where does storm water runoff go after it enters the storm drain?
   a. CCH sewer system.
   (b.) Through the storm drain system and into the harbor without treatment.
   c. EPA's front door.
   d. None of the above.

3. Which of the following are permitted to be discharged into the storm drain?
   a. Unpolluted AC condensate water.
   b. Gasoline, diesel, used oil, and paints.
   c. Rainwater
   (d.) a and c.

4. What is the definition of an illicit discharge?
   (a.) A non-stormwater discharge that poses a risk to the environment.
   b. A stolen discharge.
   c. Stormwater entering the storm drain.
   d. None of the above.

5. The picture below is a good example of Best Management Practice (BMP) because:
   (a.) Drums are properly marked and equipped with secondary containment.
   b. Drums are empty.
   c. Oil is not a pollutant.
   d. None of the above.



6. Which of the following are good examples of BMPs for vessel maintenance activities?
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   c. Use a tarp or other containment device to capture drips/chips from painting or grinding operations.
   (d.) All of the above.

7. Which of the following activities can generate stormwater pollutants?
   a. Fueling without spill containment.
   b. Improperly contained vehicle washing.
   c. Uncontained material storage.
   (d.) All of the above.

8. True or False? Every tenant should have a spill kit on-site to promptly respond to spills that may occur.
   (a.) True.
   b. False.

9. If construction activities are planned for a tenant space at Honolulu Harbor or Kalaeloa Harbor, what is required?
   a. Contractor may commence at will.
   b. Tenant must follow the requirements in Harbors Construction Site Runoff Control Manual.
   c. Tenant must obtain an NPDES permit from the Department of Health if the work will disturb one acre or more.
   (d.) B & C.

10. True or False? According to the Hawaii Revised Statutes Title 15 Chapter 266, fines of $10,000 per violation per day can be issued for environmental violations.
    (a.) True.
    b. False.

Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: FRANK ROGERS JR **Company:** HAWAII STEVEDORES INC. **Date:** 7/20/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   (d.) a and b.

2. Where does storm water runoff go after it enters the storm drain?
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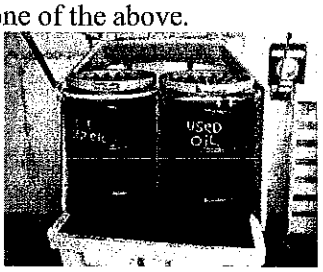

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Richard Preston Company: Aloha Container Date: 8-9-15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   (d.) a and b.

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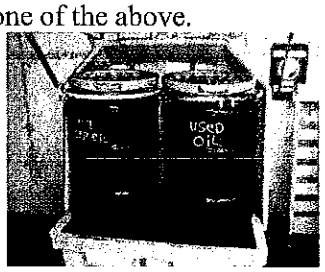

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Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Andrew Souza **Company:** McCabe Hamm Howe Renney **Date:** 8-18-15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   (d.) a and b.

2. Where does storm water runoff go after it enters the storm drain?
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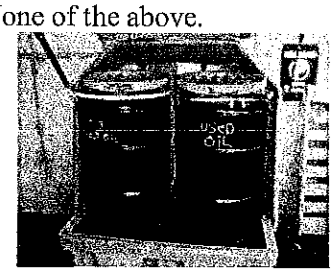

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Robert Steinke Company: Steinke Bros. Inc Date: 8/18/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
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2. Where does storm water runoff go after it enters the storm drain?
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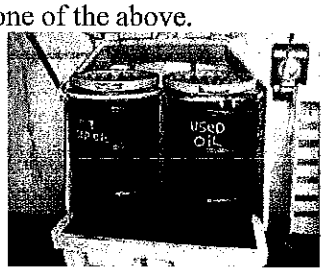

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: BERT BARBER **Company:** NHC/BASEYARD II **Date:** 8/18/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
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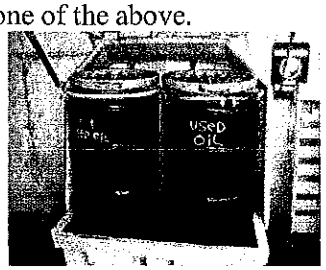

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Byron Fonseca **Company:** Erik Builders **Date:** 7-29-15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
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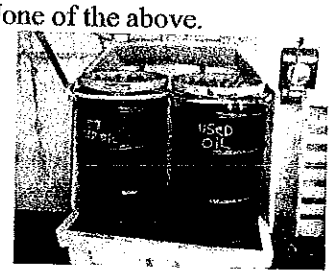

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Glenn Togami **Company:** Hardy Tibbitts **Date:** 8/18/15

1. What is the purpose of this annual training?
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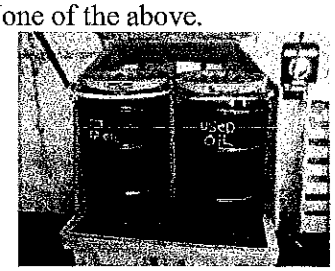

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Please provide your comments here:
- during high summer heat - good to insure a cool room to keep people focused

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: GLENN JINBO **Company:** ASIG/HFFC **Date:** 8.10.15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
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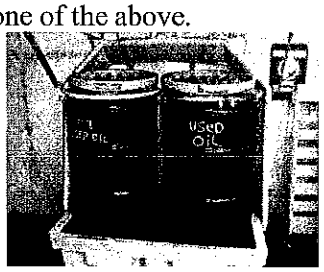

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Chris Woolaway Company: Friends of Falls of Clyde 8/19/2015

1. What is the purpose of this annual training?
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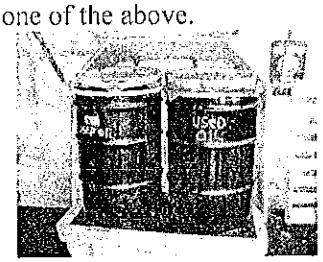

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9. If construction activities are planned for a tenant space at Honolulu Harbor or Kalaeloa Harbor, what is required?
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   c. Tenant must obtain an NPDES permit from the Department of Health if the work will disturb one acre or more.
   (d) B & C.

10. True or False? According to the Hawaii Revised Statutes Title 15 Chapter 266, fines of $10,000 per violation per day can be issued for environmental violations.
    (a) True.
    b. False.

Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Nathan Kapuk **Company:** Young Brothers **Date:** July 20 2015

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   (d) a and b.

2. Where does storm water runoff go after it enters the storm drain?
   a. CCH sewer system.
   (b) Through the storm drain system and into the harbor without treatment.
   c. EPA's front door.
   d. None of the above.

3. Which of the following are permitted to be discharged into the storm drain?
   a. Unpolluted AC condensate water.
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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Gayle Saito **Company:** UNIA Recovery LLC **Date:** 7/21/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   d. a and b.

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Please provide your comments here:

Interesting to know as tenants of Harbors DOT Properties and also outside

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: HERB NAHINU **Company:** HAWAII PILOTS **Date:** 7-22-15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   (d.) a and b.

2. Where does storm water runoff go after it enters the storm drain?
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Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Bruce McGowan **Company:** Friends of Falls of Clyde **Date:** 7-24-15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: RODNEY TAMAMOTO **Company:** AAA SHIP SVC **Date:** 8-17-15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   (d.) a and b.

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Daniel Sanagnini **Company:** Hawaiian Cement **Date:** AUG. 17, 2015

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Hawaiian Ice Co.

Name: Marshall Foy **Company:** Jems Enterprises, LLC **Date:** 9-5-15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
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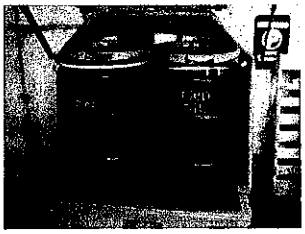

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: TERRY N. AQUINO **Company:** JEMS ENTERPRISES, LLC HAWAIIAN ICE CO. **Date:** 29 AUG 15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Kristin Lim **Company:** Hawaiian Aqua Products, Inc. **Date:** Sept. 9, 2015

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Eugene Gillis **Company:** Excavation Serv. **Date:** 9/10/15

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   (d.) B & C.

10. True or False? According to the Hawaii Revised Statutes Title 15 Chapter 266, fines of $10,000 per violation per day can be issued for environmental violations.
    (a.) True.
    b. False.

Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Captain Jeff **Company:** Wikoliana **Date:** 9-10-15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   d. a and b.

2. Where does storm water runoff go after it enters the storm drain?
   a. CCH sewer system.
   b. Through the storm drain system and into the harbor without treatment.
   c. EPA's front door.
   d. None of the above.

3. Which of the following are permitted to be discharged into the storm drain?
   a. Unpolluted AC condensate water.
   b. Gasoline, diesel, used oil, and paints.
   c. Rainwater
   d. a and c.

4. What is the definition of an illicit discharge?
   a. A non-stormwater discharge that poses a risk to the environment.
   b. A stolen discharge.
   c. Stormwater entering the storm drain.
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5. The picture below is a good example of Best Management Practice (BMP) because:
   a. Drums are properly marked and equipped with secondary containment.
   b. Drums are empty.
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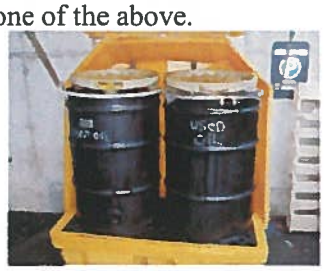
   d. None of the above.



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7. Which of the following activities can generate stormwater pollutants?
   a. Fueling without spill containment.
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   d. All of the above.

8. True or False? Every tenant should have a spill kit on-site to promptly respond to spills that may occur.
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   b. False.

9. If construction activities are planned for a tenant space at Honolulu Harbor or Kalaeloa Harbor, what is required?
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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Captain Jeff **Company:** Friends of Hawai'ioa **Date:** 9-10-15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   (d) a and b.

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Nathan Silva **Company:** Rushall **Date:** 9.10.15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
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    b. False.

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Keola Goo **Company:** Jas. W. Glover, Ltd. **Date:** 09/10/2015

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: DAVE WANLITZER **Company:** HAWAIIAN CEMENT **Date:** SEPT 10, 15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
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   c. None of the above.
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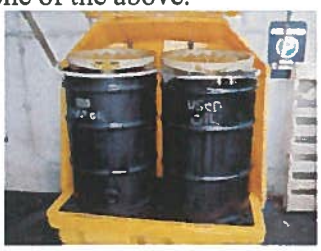

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Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Jessie Galaviz **Company:** Petrospect **Date:** 8/11/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: ED. AU **Company:** GLP ASPHALT **Date:** 9.10.15

1. What is the purpose of this annual training?
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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Rebecca FAN **Company:** RFL Group **Date:** 9/10/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
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2015 HDOT Harbors Tenant Training Questionnaire

Name: Patrick Dillon **Company:** Clean Islands **Date:** 9/10/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
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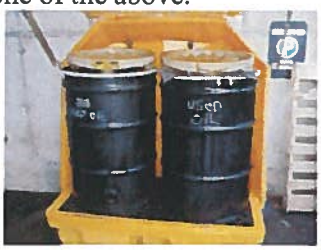

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2015 HDOT Harbors Tenant Training Questionnaire

Name: Rae Miyasaki **Company:** JFC International, Inc. **Date:** 9/10/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
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    a. True.
    (b.) False. $25,000

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2015 HDOT Harbors Tenant Training Questionnaire

Name: Theresa Acosiba **Company:** Norman's Tractor Serv. **Date:** 9-10-15

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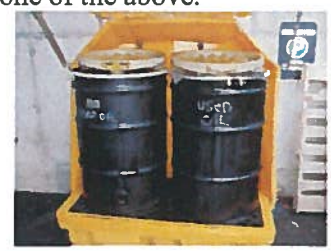

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8. True or False? Every tenant should have a spill kit on-site to promptly respond to spills that may occur.
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9. If construction activities are planned for a tenant space at Honolulu Harbor or Kalaeloa Harbor, what is required?
   a. Contractor may commence at will.
   b. Tenant must follow the requirements in Harbors Construction Site Runoff Control Manual.
   c. Tenant must obtain an NPDES permit from the Department of Health if the work will disturb one acre or more.
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10. True or False? According to the Hawaii Revised Statutes Title 15 Chapter 266, fines of $10,000 per violation per day can be issued for environmental violations.
    a. True.
    (b.) False.

Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Ron HAGER **Company:** HSI & PASHA **Date:** 9/10/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   (d.) a and b.

2. Where does storm water runoff go after it enters the storm drain?
   a. CCH sewer system.
   (b.) Through the storm drain system and into the harbor without treatment.
   c. EPA's front door.
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3. Which of the following are permitted to be discharged into the storm drain?
   a. Unpolluted AC condensate water.
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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: DUSTIN ONAGA **Company:** Amazon Conf. Co. Inc **Date:** SEPT. 10, 2015

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
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2. Where does storm water runoff go after it enters the storm drain?
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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Shanyn Kauihou **Company:** PENCO **Date:** 9/9/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
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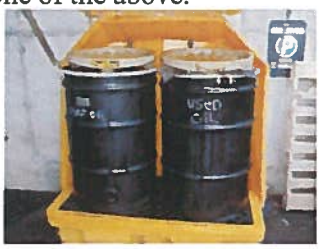

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: RANDALL LAU **Company:** YOUNG BROTHERS/FOSS **Date:** 9/10/2015

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Brendan McEntee **Company:** Na Hoku II & Manu Kai **Date:** 9/10/15

1. What is the purpose of this annual training?
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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Gordon Fowler Company: Hawaii Resource Group for Water Taxi Date: 9/10/15

1. What is the purpose of this annual training?
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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: KENDALL KNOCK **Company:** HAWAII STEVEDORES **Date:** 9/9/15

1. What is the purpose of this annual training?
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2015 HDOT Harbors Tenant Training Questionnaire

Name: Tav Harris **Company:** Sea Engineering Inc **Date:** 9/10/2015

1. What is the purpose of this annual training?
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Name: PAUL FUKUNAGA **Company:** PF MARINE **Date:** 9-10-15

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Name: A.K. COLBURN **Company:** HGI GAS **Date:** 9/10/2015

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Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: James Pontin JR. **Company:** KIRBY OFFSHORE MARINE **Date:** 09/10/2015

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   (d) a and b.

2. Where does storm water runoff go after it enters the storm drain?
   a. CCH sewer system.
   (b) Through the storm drain system and into the harbor without treatment.
   c. EPA's front door.
   d. None of the above.

3. Which of the following are permitted to be discharged into the storm drain?
   a. Unpolluted AC condensate water.
   b. Gasoline, diesel, used oil, and paints.
   c. Rainwater
   (d.) a and c.

4. What is the definition of an illicit discharge?
   (a.) A non-stormwater discharge that poses a risk to the environment.
   b. A stolen discharge.
   c. Stormwater entering the storm drain.
   d. None of the above.

5. The picture below is a good example of Best Management Practice (BMP) because:
   (a.) Drums are properly marked and equipped with secondary containment.
   b. Drums are empty.
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   d. None of the above.

6. Which of the following are good examples of BMPs for vessel maintenance activities?
   a. Washing salt off vessel exterior using clean water only.
   b. Perform maintenance while vessel is out of the water, such as in dry dock.
   c. Use a tarp or other containment device to capture drips/chips from painting or grinding operations.
   (d.) All of the above.

7. Which of the following activities can generate stormwater pollutants?
   a. Fueling without spill containment.
   b. Improperly contained vehicle washing.
   c. Uncontained material storage.
   (d.) All of the above.

8. True or False? Every tenant should have a spill kit on-site to promptly respond to spills that may occur.
   (a.) True.
   b. False.

9. If construction activities are planned for a tenant space at Honolulu Harbor or Kalaeloa Harbor, what is required?
   a. Contractor may commence at will.
   b. Tenant must follow the requirements in Harbors Construction Site Runoff Control Manual.
   c. Tenant must obtain an NPDES permit from the Department of Health if the work will disturb one acre or more.
   (d.) B & C.

10. True or False? According to the Hawaii Revised Statutes Title 15 Chapter 266, fines of $10,000 per violation per day can be issued for environmental violations.
    (a.) True.
    b. False.

Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Tiare Kalua **Company:** PACMAR / SAUSE BROS **Date:** 9/10/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
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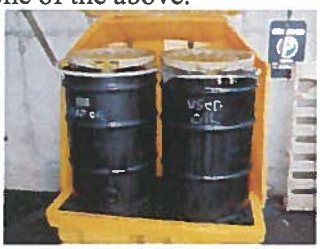

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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: LAUREEN MCCoy **Company:** AES KALAELOA **Date:** SEPT. 10, 2015

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   (d.) a and b.

2. Where does storm water runoff go after it enters the storm drain?
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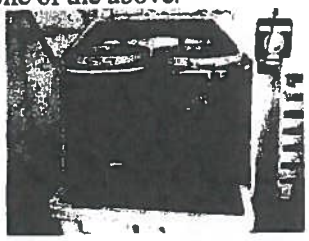

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Please provide your comments here:

CAN'T REALLY SEE PICTURE ☺

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: NELSON ABERILLA **Company:** UNITED PARKING AGENCY **Date:** 7/17/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
   (d) a and b.

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    b. False.

Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Floyd Otani **Company:** United Fishing Agency **Date:** 9/10/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
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Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: KAIPO BONAIKAI **Company:** SAUSE BROS INC **Date:** 9-10-15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
   c. None of the above.
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2. Where does storm water runoff go after it enters the storm drain?
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Please provide your comments here:

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Dennis Hoang **Company:** Hi-Sea Fishing **Date:** 9/10/2015

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Ferdie Jose **Company:** U.S. Customs and Border Protection **Date:** 9/11/15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
   b. To provide outreach and education on stormwater awareness and pollution prevention to Harbors tenants.
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"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: Matt Buckman **Company:** Hawaiian Canoe & Catamaran **Date:** 9-17-15

1. What is the purpose of this annual training?
   a. To comply with the Consent Decree with EPA/HDOH.
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Please provide your comments here: We have been working on complying we see no oily residue when it has been raining and are containing & disposing of chemicals properley & legally

"Mālama i ke kai" - Protect Our Harbor Waters

2015 HDOT Harbors Tenant Training Questionnaire

Name: LINDA GOLDSTEIN **Company:** AMERON HAWAII **Date:** 9/10/2015

1. What is the purpose of this annual training?
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$25K

Please provide your comments here:

Attachment 7.a

Construction and Post-Construction Training

MALAMA I KE KAI - PROTECT OUR HARBOR WATERS

DOT Harbors Construction and Post-Construction Training

Introduction: Why should we protect the environment?

- 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).

Introduction: Why should we protect the environment?

- To conform with Harbor's policies.
  - Director of Transportation's policy.
  - Storm Water Management Plan (SWMP), Sections C and D.
- To comply with environmental laws.
  - NPDES permit (MS4 and construction).
  - Consent Decree.
  - HAR 11-54 & 11-55.

Stormwater Discharges

- Stormwater carries pollutants generated during outdoor activities to the nearest storm drains or waterways.
- Stormwater is **not** treated before it is discharged to the ocean.
- It is vital to control pollutant sources **before** they are discharged in order to protect the harbor.

Definition of Illicit Discharge

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




Only Rain in the Storm Drain!

Common Pollutants

Vehicle Fluids.

Chemicals.

Portable Toilet.

Aggregate.

Washouts.

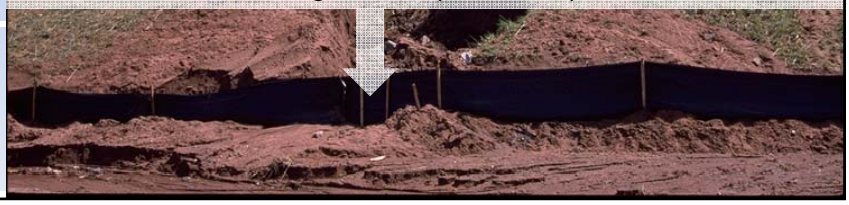
Trash.

Sediment.

Potential Pollutant: Sediment

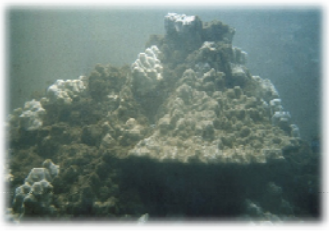
- Erosion:
  - Process by which the land surface is worn away by the action of water or wind.

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



Stormwater Impacts

- Sediment: Even dirt is a pollutant when discharged!



- Chemicals: Oil spills.

Construction Impacts

Sedimentation

Unstabilized Construction Site

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

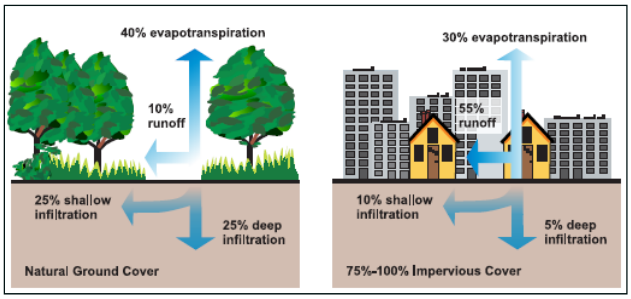
VS

Forested Land / Grassy Areas

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

Post-Construction Impacts

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



Source: EPA 841-F-03-003

Regulatory Background

- 2003: NPDES permits from DOH for the storm drainage system at Honolulu Harbor and Kalaeloa Barbers Point Harbor.
  - Required to implement programs to minimize pollutants in runoff and the amount of runoff leaving the site.
- January 30, 2006: DOT entered into a consent decree with EPA and DOH.
  - Harbors was required to develop an EMS.
- November 5, 2014: DOT entered into a second consent decree with EPA and DOH.
  - Result is the requirement for increased vigilance in regards to implementation of stormwater programs.

Requirements

- Compliance with DOH 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 DOT Harbors Construction program:
  - **Oahu:** All construction projects regardless of size, unless exempted.
- Compliance with DOT Harbors Post-Construction program:
  - **Oahu:** Construction projects disturbing greater than 1 acre of land, unless exempted.

MALAMA I KE KAI - PROTECT OUR HARBOR WATERS

NPDES Program

What is NPDES?

- The Clean Water Act includes the NPDES program to regulate the discharge of pollutants from point sources to waters of the United States. Permitted discharges by DOH:
  - 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.
    - Appendix K: Small MS4.
      - **HI 03KB482 Honolulu Harbor Permit.**
      - **HI 03KB488 Kalaeloa Barbers Point Harbor Permit.**

NPDES for Construction

- Submit a Notice of Intent and develop a Stormwater Pollution Prevention Plan (SWPPP) 30 days prior to the start of activities.
- Notify the DOH 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.

Changes to HAR 11-55, App C

- December 2013: DOH made changes to HAR 11-55, App C.
  - NOI submitted via e-permitting website.
  - Permittee must complete and keep on-site:
    - SWPPP.
    - Record of changes to the SWPPP (complete in 7 days).
    - Monthly compliance reports.
    - Inspection reports (within 48 hours).
    - Corrective action reports (start within 24 hours and finish with 7 days).
  - All documents must be signed by certifying person or duly authorized representative.

Changes to HAR 11-55, App C

- 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.

Changes to HAR 11-55, App C

- 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 MS4).
  - Entry/exit points.
  - Structures and impervious surfaces.
  - Staging area.
  - **Boundary lines of buffer areas.**
  - Potential pollutant activities and storage areas.
  - All BMPs.

Changes to 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.

Changes to HAR 11-55, App C

- Contractor Self-Inspection frequency:
  - For sites that are NOT discharging to impaired waters:
    - At least once every 7 days; **OR**
    - Once every 14 days and within 24 hours of a 0.25 inch rain event.
  - For sites that do discharge to impaired waters (e.g. Honolulu Harbor):
    - 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!
  - Conducted by a qualified person.

Changes to 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.

Changes to 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.

Changes to 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).

MALAMA I KE KAI - PROTECT OUR HARBOR WATERS

HDOT Harbor's Program

What is an MS4?

- An MS4 is the drainage system that conveys stormwater to the receiving water, 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.

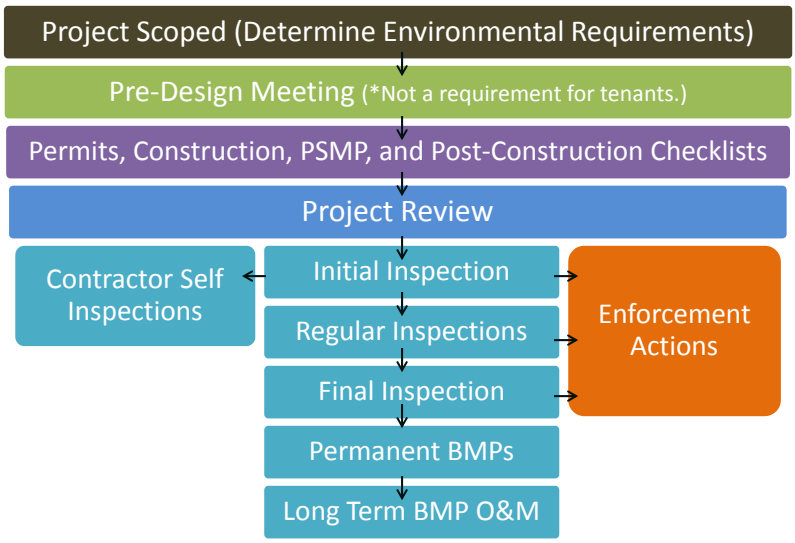
MS4 Permit Requirements

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

Stormwater Management Plan

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

Harbor's Construction Process



SWMP Definitions

- Construction:
  - Activities that result in land disturbance, including:

  - Construction related activities, including:
    - Stockpiles.
    - Borrow areas.
    - Staging areas.

SWMP Definitions

- 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.

SWMP Definitions

- 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.



SWMP Definitions

- Best Management Practice (BMP):
  - Practice or device used to mitigate the discharge of potential pollutants.




SWMP Definitions

- Post – Construction or Permanent BMPs:
  - A BMP that will remain in place following construction to minimize the discharge of pollutants from activities on-site.
  - *These must have an Operations and Maintenance Plan.



Consent Decree Requirements

- Construction Site Runoff Control Program elements:
  - Plan Review Procedures.
    - Design Review Checklist.
  - BMP Standards and Technical Specifications.
    - Refer to SWMP Construction Program, Att 6.
  - Construction and Post-Construction BMP inspections.
  - Training program for plan reviewer and inspectors.

Construction Training Requirement

- Classroom Training:
  - General Program Management.
  - Construction Site BMP Inspections.
    - Conduct at least 3 construction site inspections.
  - Annual Refresher.
- Information Exchanges:
  - Pre-Bid Meeting.
  - Pre-Construction Meeting.
  - Other.

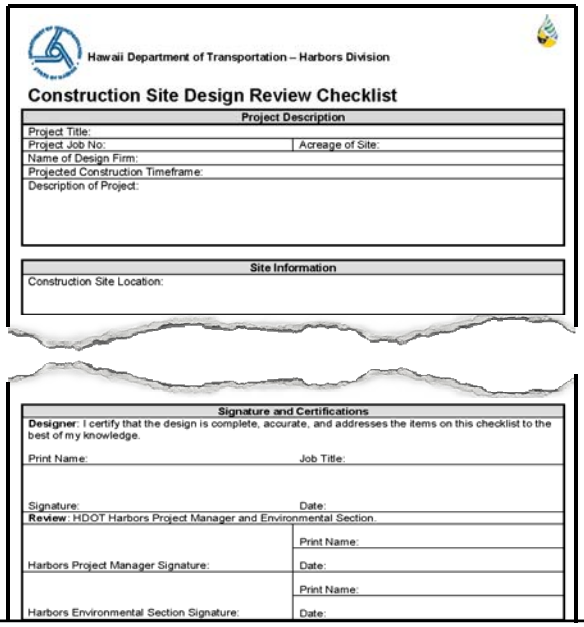
Construction Design Review

- 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.

Design Review Checklist



Hawaii Department of Transportation – Harbors Division

Construction Site Design Review Checklist

Project Description	
Project Title:	
Project Job No:	Acreage of Site:
Name of Design Firm:	
Projected Construction Timeframe:	
Description of Project:	

Site Information
Construction Site Location:

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:

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.

Permanent Post-Construction Design 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):

Post-Construction Stormwater Mitigation Plan (PSMP)

Drainage Study and Conditions of Concern → Identify potential 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 – 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[5]	P	P[3]	P[5]
(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[5]	P		P[1]

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

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 = Covering a maintenance area.
  - Treatment Control.
    - Goal = Remove pollutants from stormwater runoff.
    - Example = Hydrodynamic separators.

Order of Preference

PSMP – BMP Selection

- 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

- 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 BMP Guide, pg 86.

Ideal Implementation:
- Along streets and parking lots.

Common Permanent BMPs

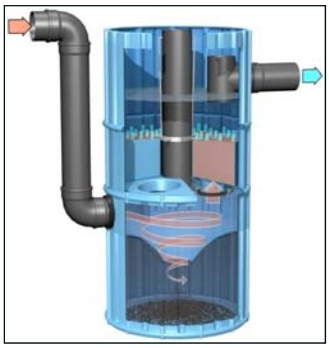
- Permeable Pavement
  - Paved surfaces that infiltrate, treat, and/or store rainwater where it falls.
  - Refer to CCH BMP Guide, Pg 57.

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

Common Permanent BMPs

- Hydrodynamic Separators.
  - Flow through structures with a settling or separation unit to remove sediments and other pollutants.
  - Refer to CCH BMP Guide, pg 104.

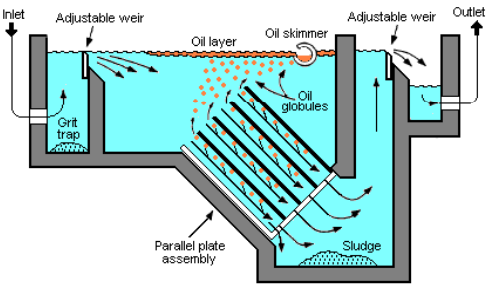
Ideal Implementation:
•Areas where materials to be removed from runoff are heavy particulates – which can be settled – or floatables –which can be captured, rather than solids with poor settleability or dissolved pollutants.



Preferred Permanent BMPs

- Oil Water Separators
  - Separates oil from water before discharge.
  - Refer to CCH BMP Guide pg. 15, Vehicle Cleaning.

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



Construction Review

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

Reviewing Plans

- When conducting a 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.

Reviewing Plans

- Determine the scheduling / phasing.
  - Is the main land disturbance activity planned for the dry season? (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?

Reviewing Plans

- 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?

Reviewing Plans

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

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

- 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

Consent Decree Requirements

- Roadway Paving or Repair:

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.

Consent Decree Requirements

- Roadway Paving or Repair:

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**.

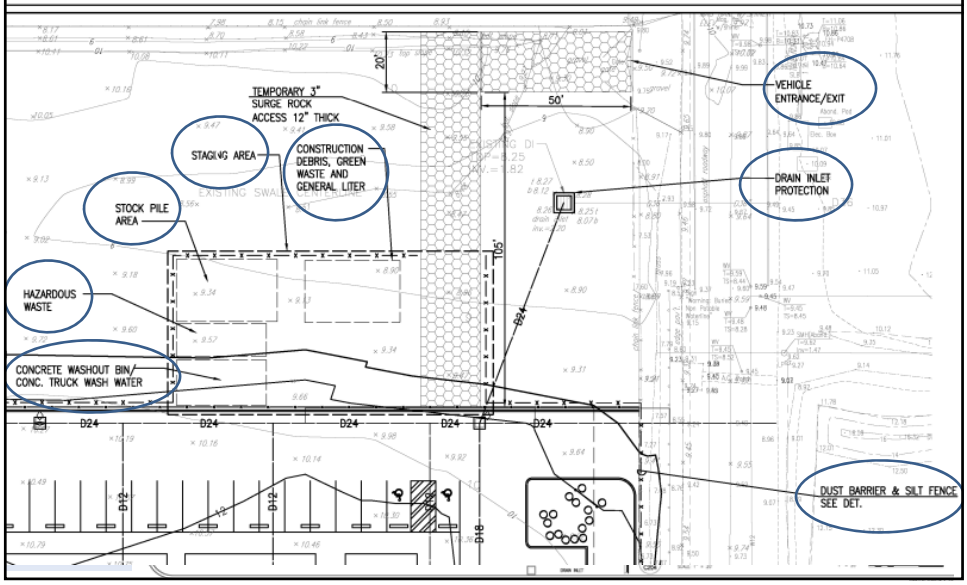
Plan Reviews: NPDES Permit Minimum Measures

- 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 if equipment will be coming onto the site.
- 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.

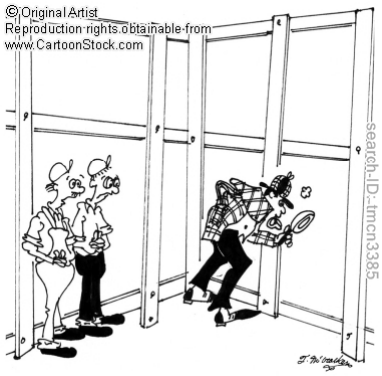
Plan Reviews: NPDES Permit Minimum Measures

- 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



Conducting Construction Site Inspections



Harbor's 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.

Harbor's 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.

Harbor's Inspections

- Review completed Contractor Self Inspections:
  - 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.

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

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

Construction Site Best Management Practices Inspection Checklist

Date of Inspection:	Project Title:							
Contractor:	Project Job No.:					NGPC No.:		
Inspector:	SSCBMP Updated and Onsite: ☐ Yes ☐ No					Photographs Attached: ☐ Yes ☐ No		
Weather:		Control Device(s)		Require Maintenance				
AC: Adequate Containment ACoC: Adequate Cover or Containment	N/A	Yes	No	Yes	No	Description of Any Deficiency	Date Corrective Actions Taken	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, Witch'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

Construction Site Best Management Practices Inspection Checklist

Permanent Post-Construction BMP Inspection

Please indicate inspection status here: ☐ Inspection During Construction Phase ☐ Final Inspection after Installation ☐ Other
Permanent post-construction BMPs are 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. Harbors Division will not allow construction activities to commence until the project engineer or qualified project inspector have inspected the construction site to determine if the site-specific BMPs and pollution prevention devices are implemented correctly and in the appropriate locations.

State of Hawaii
Department of Transportation
Harbors Division

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.

Walking the Site

- Carry the Stormwater Pollution Prevention Plan 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

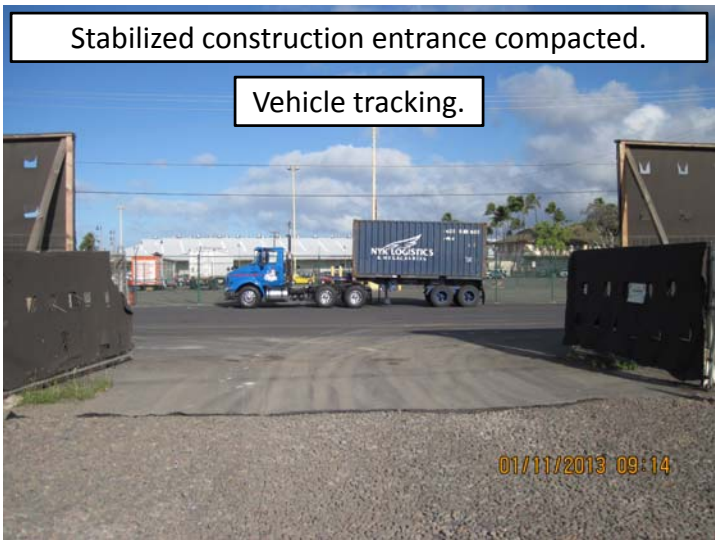
BMP Plan was not available/updated.

- 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

Stabilized construction entrance compacted.

Vehicle tracking.

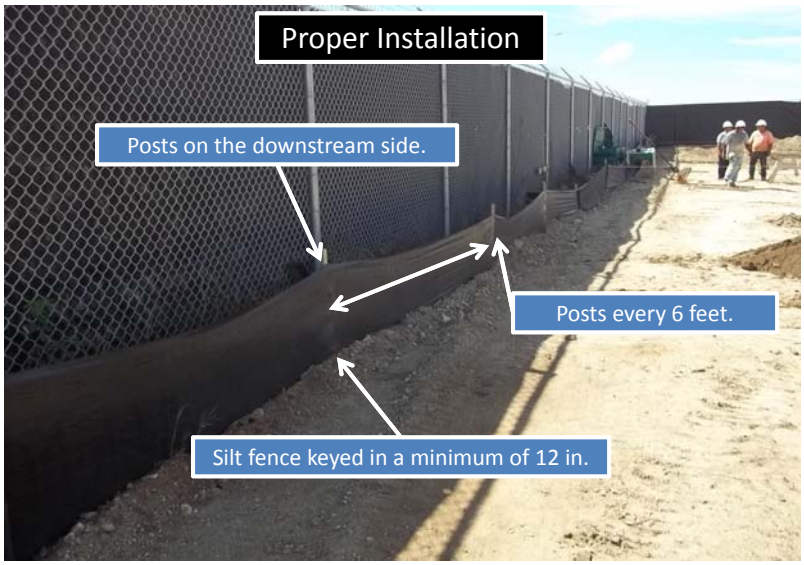


Stabilized Construction Entrance (TR-1)

- 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.

Common Inspection Findings

Silt Fence (SE-1)



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 / maintenance of perimeter berms.

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

Improper installation of erosion control matting.

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.

Common Inspection Findings

Drain inlet protection not properly maintained.

Remove sediment.

Replace torn filter fabric.

Position berms to form a barrier by overlapping them.

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.

Vacuuming fines without a filter.

Improper disposal of fines.

Wet saw cutting not vacuumed.

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 sawcutting.

Common Inspection Findings

Improper concrete washout.

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.

Common Inspection Findings

Leaking equipment and lack of spill response.

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.

Common Inspection Findings

Uncontained stockpiles.

Stockpiles near drainage swales.

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).

Inspection Findings

Improper disposal of paint.

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.

Common Inspection Findings

Improper hazardous material management.

No Label.

No containment.

Rusting causes container breach.

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.

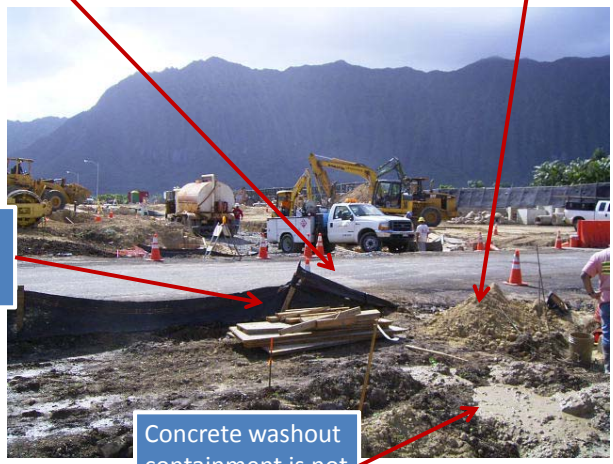
Common Inspection Findings

Improper solid waste management.

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.

Find the Deficiencies

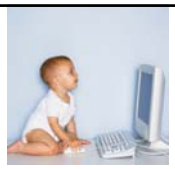


Finishing the Inspection

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

Deficiency Documentation

- Recordkeeping is vital.
  - "If it wasn't recorded, it didn't happen."
- Describe deficiencies in the checklist.
- Photograph deficiency and surrounding location.
- When verbally describing deficiencies 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.

SWMP Enforcement

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

SWMP Enforcement Process

- Upon discovery, contractor will immediately correct deficiency.
- Escalating enforcement, as required:
  - Verbal warnings – CM.
  - Written warnings.
    - Inspection report – CM.
    - Formal letter – CM.
    - Notice of Apparent Violation (NAV) – CM / HAR-EE.
      - Notification provided to Department of Health.
  - Stop work orders - CM.
    - Withholding of contractor payment.
  - Summons or citations - AG.
- Documentation is key!

EPA 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).

Take Away

- All projects must be reviewed prior to start.
- Projects over 1 acre must include post-construction BMPs.
- Inspections are required 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.
  - Best if potential pollutants can be kept on-site!
- 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

- Harbor's Website: http://hidot.hawaii.gov/harbors/library/storm-water-management/.
- Harbor's Contacts:
  - Stormwater Reporting Hotline: 587-1962.
  - Randal Leong, PE: 587-1962, randal.leong@hawaii.gov.
  - Joy Zhang: 587-1960, ying.j.zhang@hawaii.gov.
  - Spencer Yim, PE: 587-1963, spencer.k.yim@hawaii.gov.

MALAMA I KE KAI - PROTECT OUR HARBOR WATERS

Attachment 7.b

Construction and Post-Construction Training Quizzes and Sign-In Sheets

HDOT Harbors small MS4 Stormwater Training Sign-in Sheet

(This training covers HDOT Harbors Construction and Post-Construction programs and HDOH NOI-C training requirements)

Date: February 25, 2015 Time: 1030 ~ 1200

No.	Name	Organization	E-mail Address	Phone #	Initials
1	Francis Ahern	HAWAII HARBORS CONSTRUCTORS	FKAhern@healyTibbitts.com	673-0120	FKTH
2	KYLE OGATA	HAWAII HARBORS CONSTRUCTORS	KROGATA@healytibbitts.com	227-2572	KO
3	KekoaTom	Yogi Kwong Engineers LLC	kekoa@yogikwong.com	306-4652	KT
4	WILLIAM MAKANUI	YOGI KWONG ENGINEERS, LLC	wmakanui@yogikwong.com	638-13554	
5	Joy Zhang	HDOT Harbors Division	ying.j.zhang@hawaii.gov	587-1960	YZ
6	Mel Travens	DOT HARBORS ESP	melchor.a.travens@hawaii.gov	586-2461	M.T.
7	Kris Male	Hawaii Harbors Constructors	kmale@hdcc.com	690-1431	KM
8					
9					
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HDOT Harbors small MS4 Stormwater Training Sign-in Sheet

(This training covers HDOT Harbors Construction and Post-Construction programs and HDOH NOI-C training requirements)

Date: February 25, 2015 Time: 1030 ~ 1200

No.	Name	Organization	E-mail Address	Phone #	Initials
1	Ray Munos	Mega Construction	Ray@mega-construction.org	630 8573	Ron
2	SHARILYN IKEDA	DOT-HARBORS	sharilyn.s.ikeda@hawaii.gov	586-2458	SI
3	Dung Vo	DOT- Harbors	Dung.P.Vo @ hawaii.gov	586-2460	DV
4	SPENCER YIM	DOT-HARBORS	spencer.k.yim@hawaii.gov	587-1963	
5	Katie Davis	EnviroServices	Katie @ gotoetc.com	839-7222	KD
6					
7					
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2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: SPENCER YIM **Date:** 2/25/15

Company / Office Code: 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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Dvq Vo **Date:** 3-25-15

Company / Office Code: HW - 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.

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   C. Twice a day.
   D. A or B.

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   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
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   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: SHARLYN IKEDA **Date:** 2/25/15

Company / Office Code: HARB 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:
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   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
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8. Who is responsible for controlling sediment pollution?
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   B. The downstream property owner
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   D. None of the above

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

10. A silt fence needs to be maintained when:
    A. The sediment reaches one third the height of the fabric
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    C. The sediment reaches three quarters the height of the fabric
    D. None of the above.

Comments:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: MEL TRAVERS **Date:** 2/25/15

Company / Office Code: DOT-HARBORS

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:
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   (D.) All of the above.

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   C. Needs continual maintenance
   (D.) All of the above.

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   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

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   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Kekoa Tom **Date:** 2/25/15

Company / Office Code: Yogi Kwong Engineers

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
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   D. All of the above.

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   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:
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   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
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   C. The owner of the project, the authorized representative, and the general contractor/operator
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   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: WILLIAM MAKANUI **Date:** 2-25-2015

Company / Office Code: YOGI KWONG ENGRS, 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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: KYLE OGATA **Date:** 2/25/15

Company / Office Code: HAWAII HARBORS CONSTRUCTORS JV

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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Kris Wade **Date:** 2/25/15

Company / Office Code: Hawaii Harbor Const.

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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Ray Munos **Date:** 2/25/15

Company / Office Code: Mega 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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Francis Ahern **Date:** 2/25/15

Company / Office Code: Hawaii Harbors Constructors

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:

HDOT Harbors small MS4 Stormwater Training Sign-in Sheet

(This training covers HDOT Harbors Construction and Post-Construction programs and HDOH NOI-C training requirements)

Date: April 6, 2015 Time: 0900 ~

No.	Name	Organization	E-mail Address	Phone #	Initials
1	Ying "Joy" Zhang	HAR-EE	ying.j.zhang@hawaii.gov	(808) 587-1960	YZ
2	WILLIAM MAKANUI	YOGI KWONG ENGINEERS, LLC	wmakanui@yogikwong.com	638-1354 942-0001	WM
3	Kekoa Tom	Yogi Kwong Engineers, LLC	kekoa@yogikwong.com	306-4652	KT
4	Bert Toba	HAR-ESP	bert.r.toba@hawaii.gov	586-2455	BT
5	Neil Asato	HAR-EC	neil.m.asato@hawaii.gov	587-1868	NA
6	SHARILYN IKEDA	HAR-ESP	sharilyn.s.ikeda@hawaii.gov	586-2458	SI
7	BRIAN ISHII	EKNA	btishii@eknahawaii.com	5914553	
8	Michael Dichner	HAR-EP	michael.l.dichner@hawaii.gov	587-5887	MD
9	Sandra Rossetter	HARC-EP	Sandra.c.rossetter@hawaii.gov	587.1886	SR
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HDOT Harbors small MS4 Stormwater Training Sign-in Sheet

(This training covers HDOT Harbors Construction and Post-Construction programs and HDOH NOI-C training requirements)

Date: _____ Time: _____

No.	Name	Organization	E-mail Address	Phone #	Initials
1	ANDY CHAN	HAR-EC	andy.chan@hawaii.gov	587-1867	AC
2	ARNOLD LIU	HAR-EP	arnold.liu@hawaii.gov	587-1888	
3	JOE CHENG	HAR-EC	joe.cheng@hawaii.gov	587-1869	JC
4	STEVE DALE	HAR-EP	Steven.r.dale@hawaii.gov	587-2595	SD
5	MEL TRAVENS	HAR-ESP	melchor.A.Travens@hawaii.gov	586-2461	MT
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2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Bert Toba **Date:** 5/6/15

Company / Office Code: HAR-ESP

✓ 1. NPDES is an abbreviation of:
- A. National Policy for Discharge of Erosion and Sediment.
- (B.) National Pollutant Discharge Elimination System.
- C. National Pollutant Development and Elimination System.
- D. None of the above.

✓ 2. Post Construction (Permanent) BMPs:
- A. Must be evaluated for projects of 1-acre or more, unless exempted.
- B. Are BMPs that manage stormwater runoff long after construction is pau.
- C. Are evaluated during the design of a project in a PSMP prior to selection.
- (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. A project that disturbs less than 1-acre is:
- A. Required to obtain an NPDES permit for construction activities.
- B. Exempt from all regulations.
- (C.) Required to meet Harbors Small MS4 requirements, if not exempted.
- D. Exempt from all Harbors Small MS4 requirements.

✗ 5. Nonpoint Source pollutants include:
- A. Pathogens, Sediment, and Litter.
- B. Temperature, Sediment, and Groundwater.
- C. Impervious Surfaces.
- (D.) All of the above.

✓ 6. Common Permanent BMPs are:
- A. Bio-socks and silt fences.
- B. Permeable pavements such as pavement blocks and porous pavement.
- C. Preserving natural areas and creating vegetated areas.
- (D.) B. and C.

✓ 7. The purpose of providing erosion and sediment control is to:
- (A.) Provide a means of construction without harming the environment through sediment pollution.
- B. Cause undue hardship and expense on the developer and contractor.
- C. Provide jobs for government employees.
- 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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
- (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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Arnold Liu **Date:** 4/6/15

Company / Office Code: HAR - GP

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
   B. Are BMPs that manage stormwater runoff long after construction is pau.
   C. Are evaluated during the design of a project in a PSMP prior to selection.
   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. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   D. B. and C.

7. The purpose of providing erosion and sediment control is to:
   A. Provide a means of construction without harming the environment through sediment pollution.
   B. Cause undue hardship and expense on the developer and contractor.
   C. Provide jobs for government employees.
   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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: BRIAN ISHII **Date:** 4/6/15

Company / Office Code: EKNA SERVICES INC

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
   B. Are BMPs that manage stormwater runoff long after construction is pau.
   C. Are evaluated during the design of a project in a PSMP prior to selection.
   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. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   D. B. and C.

7. The purpose of providing erosion and sediment control is to:
   A. Provide a means of construction without harming the environment through sediment pollution.
   B. Cause undue hardship and expense on the developer and contractor.
   C. Provide jobs for government employees.
   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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Michael Dichner **Date:** 4/6/15

Company / Office Code: HAR · EP

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
   B. Are BMPs that manage stormwater runoff long after construction is pau.
   C. Are evaluated during the design of a project in a PSMP prior to selection.
   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. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   D. B. and C.

7. The purpose of providing erosion and sediment control is to:
   A. Provide a means of construction without harming the environment through sediment pollution.
   B. Cause undue hardship and expense on the developer and contractor.
   C. Provide jobs for government employees.
   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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Kekoo Tam **Date:** 4/6/2015

Company / Office Code: Yogi Kwong Engineers, LLC

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
   B. Are BMPs that manage stormwater runoff long after construction is pau.
   C. Are evaluated during the design of a project in a PSMP prior to selection.
   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. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   D. B. and C.

7. The purpose of providing erosion and sediment control is to:
   A. Provide a means of construction without harming the environment through sediment pollution.
   B. Cause undue hardship and expense on the developer and contractor.
   C. Provide jobs for government employees.
   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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: JOE CHENG **Date:** 4/6/15

Company / Office Code: STATE/DOT/HAR-EE

1. NPDES is an abbreviation of:
   - A. National Policy for Discharge of Erosion and Sediment.
   - B. National Pollutant Discharge Elimination System.
   - C. National Pollutant Development and Elimination System.
   - D. None of the above.

2. Post Construction (Permanent) BMPs:
   - A. Must be evaluated for projects of 1-acre or more, unless exempted.
   - B. Are BMPs that manage stormwater runoff long after construction is pau.
   - C. Are evaluated during the design of a project in a PSMP prior to selection.
   - 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. A project that disturbs less than 1-acre is:
   - A. Required to obtain an NPDES permit for construction activities.
   - B. Exempt from all regulations.
   - C. Required to meet Harbors Small MS4 requirements, if not exempted.
   - D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   - A. Pathogens, Sediment, and Litter.
   - B. Temperature, Sediment, and Groundwater.
   - C. Impervious Surfaces.
   - D. All of the above.

6. Common Permanent BMPs are:
   - A. Bio-socks and silt fences.
   - B. Permeable pavements such as pavement blocks and porous pavement.
   - C. Preserving natural areas and creating vegetated areas.
   - D. B. and C.

7. The purpose of providing erosion and sediment control is to:
   - A. Provide a means of construction without harming the environment through sediment pollution.
   - B. Cause undue hardship and expense on the developer and contractor.
   - C. Provide jobs for government employees.
   - 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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   - 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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: STEVE DALE **Date:** 4/6/15

Company / Office Code: HAR-EP

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
   B. Are BMPs that manage stormwater runoff long after construction is pau.
   C. Are evaluated during the design of a project in a PSMP prior to selection.
   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. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   D. B. and C.

7. The purpose of providing erosion and sediment control is to:
   A. Provide a means of construction without harming the environment through sediment pollution.
   B. Cause undue hardship and expense on the developer and contractor.
   C. Provide jobs for government employees.
   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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: SANDRA ROSSETTER **Date:** 4/6/2015

Company / Office Code: _____

1. NPDES is an abbreviation of:
   - A. National Policy for Discharge of Erosion and Sediment.
   - (B.) National Pollutant Discharge Elimination System.
   - C. National Pollutant Development and Elimination System.
   - D. None of the above.

2. Post Construction (Permanent) BMPs:
   - A. Must be evaluated for projects of 1-acre or more, unless exempted.
   - B. Are BMPs that manage stormwater runoff long after construction is pau.
   - C. Are evaluated during the design of a project in a PSMP prior to selection.
   - (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. A project that disturbs less than 1-acre is:
   - A. Required to obtain an NPDES permit for construction activities.
   - B. Exempt from all regulations.
   - (C) Required to meet Harbors Small MS4 requirements, if not exempted.
   - D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   - (A) Pathogens, Sediment, and Litter.
   - B. Temperature, Sediment, and Groundwater.
   - C. Impervious Surfaces.
   - D. All of the above.

6. Common Permanent BMPs are:
   - A. Bio-socks and silt fences.
   - B. Permeable pavements such as pavement blocks and porous pavement.
   - C. Preserving natural areas and creating vegetated areas.
   - (D) B. and C.

7. The purpose of providing erosion and sediment control is to:
   - (A) Provide a means of construction without harming the environment through sediment pollution.
   - B. Cause undue hardship and expense on the developer and contractor.
   - C. Provide jobs for government employees.
   - 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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   - (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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: MEL TRAVERS **Date:** 4/6/15

Company / Office Code: HAR-ESP

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
   B. Are BMPs that manage stormwater runoff long after construction is pau.
   C. Are evaluated during the design of a project in a PSMP prior to selection.
   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. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   D. B. and C.

7. The purpose of providing erosion and sediment control is to:
   A. Provide a means of construction without harming the environment through sediment pollution.
   B. Cause undue hardship and expense on the developer and contractor.
   C. Provide jobs for government employees.
   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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: ANDY CHAN **Date:** 4/6/15

Company / Office Code: HAR-EC

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
   B. Are BMPs that manage stormwater runoff long after construction is pau.
   C. Are evaluated during the design of a project in a PSMP prior to selection.
   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. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   D. B. and C.

7. The purpose of providing erosion and sediment control is to:
   A. Provide a means of construction without harming the environment through sediment pollution.
   B. Cause undue hardship and expense on the developer and contractor.
   C. Provide jobs for government employees.
   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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: SHARI W/H IKEDA **Date:** 4-6-15

Company / Office Code: HAR-ESP

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
   B. Are BMPs that manage stormwater runoff long after construction is pau.
   C. Are evaluated during the design of a project in a PSMP prior to selection.
   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. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   D. B. and C.

7. The purpose of providing erosion and sediment control is to:
   A. Provide a means of construction without harming the environment through sediment pollution.
   B. Cause undue hardship and expense on the developer and contractor.
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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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: WILLIAM MAKANUI **Date:** 4/6/2015

Company / Office Code: YOGI KWONG ENGINEERS, LLC

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
   B. Are BMPs that manage stormwater runoff long after construction is pau.
   C. Are evaluated during the design of a project in a PSMP prior to selection.
   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. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   D. B. and C.

7. The purpose of providing erosion and sediment control is to:
   A. Provide a means of construction without harming the environment through sediment pollution.
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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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Neil Asato **Date:** 4/6/2015

Company / Office Code: HAR-EC

1. NPDES is an abbreviation of:
   - A. National Policy for Discharge of Erosion and Sediment.
   - B. National Pollutant Discharge Elimination System.
   - C. National Pollutant Development and Elimination System.
   - D. None of the above.

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   - C. Are evaluated during the design of a project in a PSMP prior to selection.
   - 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. A project that disturbs less than 1-acre is:
   - A. Required to obtain an NPDES permit for construction activities.
   - B. Exempt from all regulations.
   - C. Required to meet Harbors Small MS4 requirements, if not exempted.
   - D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   - A. Pathogens, Sediment, and Litter.
   - B. Temperature, Sediment, and Groundwater.
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   - D. All of the above.

6. Common Permanent BMPs are:
   - A. Bio-socks and silt fences.
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   - C. Preserving natural areas and creating vegetated areas.
   - D. B. and C.

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   - A. Provide a means of construction without harming the environment through sediment pollution.
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9. True or False? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   - A. True
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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:

HDOT Harbors small MS4 Stormwater Training Sign-in Sheet

(This training covers HDOT Harbors Construction and Post-Construction programs and HDOH NOI-C training requirements)

Date: April 9, 2015 Time: 0900 ~ 1030

No.	Name	Organization	E-mail Address	Phone #	Initials
1	Richard Yonecia	HAR-EC	richard.yonecia@hawaii.gov	597186C	RY
2	WAYLEN MIYASHIRO	RM TOWILL CORP.	waylenm@rmtowill.com	842-1133	WM
3	Kelsie Kanetake	RM TOWILL CORP	kelsiek@rmtowill.com	842-1133	KK
4	JonathanYee	HAR-ED	jonathan.sw.yee@hawaii.gov	587 1956	JY
5	CRAIG LAU	RM TOWILL	Craigl@rmtowill.com	842-1133	CL
6	Duy Vo	HAR-ESP	Duy.P.Vo@hawaii.gov	586-2460	DV
7	Lauren Yang	HAR-EC	lauren.mt.young@hawaii.gov	587-1870	LY
8	Kim Kido	HAR-EP	Kimberly.A.kido@hawaii.gov	587 1884	KK
9	MICHAEL HIGGINS	HAR-ED	MICHAEL.H.HIGGINS@HAWAII.GOV	587 2503	MH
10					
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HDOT Harbors small MS4 Stormwater Training Sign-in Sheet

(This training covers HDOT Harbors Construction and Post-Construction programs and HDOH NOI-C training requirements)

Date: April 9, 2015 Time: 0900 ~1030

No.	Name	Organization	E-mail Address	Phone #	Initials
1	WADE TAKAMOTO	DOT-HAR	wade.takamoto@hawaii.gov	587-1959	WT
2	DALE ANDRES	DOT-HAR	dale.andres@hawaii.gov	587-1876	DA
3	Gregg Hirokawa	" "	gregg.hirokawa@hawaii.gov	587-1985	gh
4	BRANDEN SUMIDA	"	branden.sumida@hawaii.gov	587-1873	BS
5	ARNOLD FUKUMOTO	"	arnold.fukumoto@hawaii.gov	587-1878	AF
6	DEAN WATASE	"	dean.watase@hawaii.gov	587.1883	DW
7	RANDY HIRAKI	"	RANDAL.HIRAKI@HAWAII.GOV	587-1958	RH
8					
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HDOT Harbors small MS4 Stormwater Training Sign-in Sheet

(This training covers HDOT Harbors Construction and Post-Construction programs and HDOH NOI-C training requirements)

Date: April 9, 2015 Time: 0900 ~ 1030

No.	Name	Organization	E-mail Address	Phone #	Initials
1	Lisa Powell	HAR-EM	Lisa.R.Powell@hawaii.gov	587-1875	YP
2	Spencer Yim	HAR-EE	spencer.k.yim@hawaii.gov	587-1963	
3	Xiping Huang	HAR-EP	Xiping.huang@hawaii.gov	587-1887	
4	Rodney Yamane	HAR-EC	Rodney.K.Yamane@hawaii.gov	587-1898	
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2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: DEAN WATASE **Date:** 4/9/15

Company / Office Code: HAR-EP

1. NPDES is an abbreviation of:
   - A. National Policy for Discharge of Erosion and Sediment.
   - (B.) National Pollutant Discharge Elimination System.
   - C. National Pollutant Development and Elimination System.
   - D. None of the above.

2. Post Construction (Permanent) BMPs:
   - A. Must be evaluated for projects of 1-acre or more, unless exempted.
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   - C. Are evaluated during the design of a project in a PSMP prior to selection.
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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. A project that disturbs less than 1-acre is:
   - (A.) Required to obtain an NPDES permit for construction activities.
   - B. Exempt from all regulations.
   - C. Required to meet Harbors Small MS4 requirements, if not exempted.
   - D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   - (A.) Pathogens, Sediment, and Litter.
   - (B.) Temperature, Sediment, and Groundwater.
   - C. Impervious Surfaces.
   - D. All of the above.

6. Common Permanent BMPs are:
   - (A.) Bio-socks and silt fences.
   - B. Permeable pavements such as pavement blocks and porous pavement.
   - C. Preserving natural areas and creating vegetated areas.
   - D. B. and C.

7. The purpose of providing erosion and sediment control is to:
   - (A.) Provide a means of construction without harming the environment through sediment pollution.
   - B. Cause undue hardship and expense on the developer and contractor.
   - C. Provide jobs for government employees.
   - 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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   - 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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: WAYLEN MIYASHIRO **Date:** 4/9/15

Company / Office Code: RM TOWILL CORPORATION

1. NPDES is an abbreviation of:
   - A. National Policy for Discharge of Erosion and Sediment.
   - (B.) National Pollutant Discharge Elimination System.
   - C. National Pollutant Development and Elimination System.
   - D. None of the above.

2. Post Construction (Permanent) BMPs:
   - A. Must be evaluated for projects of 1-acre or more, unless exempted.
   - B. Are BMPs that manage stormwater runoff long after construction is pau.
   - C. Are evaluated during the design of a project in a PSMP prior to selection.
   - (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. A project that disturbs less than 1-acre is:
   - A. Required to obtain an NPDES permit for construction activities.
   - B. Exempt from all regulations.
   - (C.) Required to meet Harbors Small MS4 requirements, if not exempted.
   - D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   - A. Pathogens, Sediment, and Litter. ←
   - B. Temperature, Sediment, and Groundwater.
   - C. Impervious Surfaces.
   - (D.) All of the above.

6. Common Permanent BMPs are:
   - A. Bio-socks and silt fences.
   - B. Permeable pavements such as pavement blocks and porous pavement.
   - C. Preserving natural areas and creating vegetated areas.
   - (D.) B. and C.

7. The purpose of providing erosion and sediment control is to:
   - (A) Provide a means of construction without harming the environment through sediment pollution.
   - B. Cause undue hardship and expense on the developer and contractor.
   - C. Provide jobs for government employees.
   - 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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   - 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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Kelsie Kaneshiro **Date:** 4/9/15

Company / Office Code: R.M Towill

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   (B.) National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
   B. Are BMPs that manage stormwater runoff long after construction is pau.
   C. Are evaluated during the design of a project in a PSMP prior to selection.
   (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.

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   (C.) Required to meet Harbors Small MS4 requirements, if not exempted.
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   (A.) Pathogens, Sediment, and Litter.
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   D. All of the above.

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   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   (D.) B. and C.

7. The purpose of providing erosion and sediment control is to:
   (A.) Provide a means of construction without harming the environment through sediment pollution.
   B. Cause undue hardship and expense on the developer and contractor.
   C. Provide jobs for government employees.
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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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   (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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: XiPing Huang **Date:** 4/9/2015

Company / Office Code: HAR-EP

1. NPDES is an abbreviation of:
   - A. National Policy for Discharge of Erosion and Sediment.
   - B. National Pollutant Discharge Elimination System.
   - C. National Pollutant Development and Elimination System.
   - D. None of the above.

2. Post Construction (Permanent) BMPs:
   - A. Must be evaluated for projects of 1-acre or more, unless exempted.
   - B. Are BMPs that manage stormwater runoff long after construction is pau.
   - C. Are evaluated during the design of a project in a PSMP prior to selection.
   - D. All of the above.

3. A stabilized construction entrance:
   - A. Is best constructed with 3" to 6" crushed stone.
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   - C. Needs continual maintenance.
   - D. All of the above.

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   - A. Required to obtain an NPDES permit for construction activities.
   - B. Exempt from all regulations.
   - C. Required to meet Harbors Small MS4 requirements, if not exempted.
   - D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   - A. Pathogens, Sediment, and Litter.
   - B. Temperature, Sediment, and Groundwater.
   - C. Impervious Surfaces.
   - D. All of the above.

6. Common Permanent BMPs are:
   - A. Bio-socks and silt fences.
   - B. Permeable pavements such as pavement blocks and porous pavement.
   - C. Preserving natural areas and creating vegetated areas.
   - D. B. and C.

7. The purpose of providing erosion and sediment control is to:
   - A. Provide a means of construction without harming the environment through sediment pollution.
   - B. Cause undue hardship and expense on the developer and contractor.
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8. Who is responsible for controlling sediment pollution?
   - A. Whoever is the easiest to blame.
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   - C. The owner of the project, the authorized representative, and the general contractor/operator.
   - D. None of the above.

9. True or False? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   - A. True
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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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Lisa Powell **Date:** 4/9/15

Company / Office Code: HAR-EM

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
   B. Are BMPs that manage stormwater runoff long after construction is pau.
   C. Are evaluated during the design of a project in a PSMP prior to selection.
   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. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   D. B. and C.

7. The purpose of providing erosion and sediment control is to:
   A. Provide a means of construction without harming the environment through sediment pollution.
   B. Cause undue hardship and expense on the developer and contractor.
   C. Provide jobs for government employees.
   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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Dung Vo **Date:** 4-9-15

Company / Office Code: HAR-ESP

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
   B. Are BMPs that manage stormwater runoff long after construction is pau.
   C. Are evaluated during the design of a project in a PSMP prior to selection.
   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. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   D. B. and C.

7. The purpose of providing erosion and sediment control is to:
   A. Provide a means of construction without harming the environment through sediment pollution.
   B. Cause undue hardship and expense on the developer and contractor.
   C. Provide jobs for government employees.
   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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: MICHAEL HOWELLS **Date:** 4/9/2015

Company / Office Code: HAR-EP

1. NPDES is an abbreviation of:
   - A. National Policy for Discharge of Erosion and Sediment.
   - B. National Pollutant Discharge Elimination System.
   - C. National Pollutant Development and Elimination System.
   - D. None of the above.

2. Post Construction (Permanent) BMPs:
   - A. Must be evaluated for projects of 1-acre or more, unless exempted.
   - B. Are BMPs that manage stormwater runoff long after construction is pau.
   - C. Are evaluated during the design of a project in a PSMP prior to selection.
   - 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. A project that disturbs less than 1-acre is:
   - A. Required to obtain an NPDES permit for construction activities.
   - B. Exempt from all regulations.
   - C. Required to meet Harbors Small MS4 requirements, if not exempted.
   - D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   - A. Pathogens, Sediment, and Litter.
   - B. Temperature, Sediment, and Groundwater.
   - C. Impervious Surfaces.
   - D. All of the above.

6. Common Permanent BMPs are:
   - A. Bio-socks and silt fences.
   - B. Permeable pavements such as pavement blocks and porous pavement.
   - C. Preserving natural areas and creating vegetated areas.
   - D. B. and C.

7. The purpose of providing erosion and sediment control is to:
   - A. Provide a means of construction without harming the environment through sediment pollution.
   - B. Cause undue hardship and expense on the developer and contractor.
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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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   - 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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Kim Kido **Date:** 4/9/15

Company / Office Code: HAR EP

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
   B. Are BMPs that manage stormwater runoff long after construction is pau.
   C. Are evaluated during the design of a project in a PSMP prior to selection.
   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. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   D. B. and C.

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   A. Provide a means of construction without harming the environment through sediment pollution.
   B. Cause undue hardship and expense on the developer and contractor.
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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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   A. True
   B. False

10. A silt fence needs to be maintained when:
    A. The sediment reaches one third the height of the fabric.
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    C. The sediment reaches three quarters the height of the fabric.
    D. None of the above.

Comments:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: RODNEY YAMANE **Date:** 4/9/15

Company / Office Code: HAR-EC

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   (B.) National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
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   (D.) All of the above.

3. A stabilized construction entrance:
   A. Is best constructed with 3" to 6" crushed stone.
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   C. Needs continual maintenance.
   (D) All of the above.

4. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   (C.) Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   (D.) All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   (D.) B. and C.

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   (A.) Provide a means of construction without harming the environment through sediment pollution.
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8. Who is responsible for controlling sediment pollution?
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   (C.) The owner of the project, the authorized representative, and the general contractor/operator.
   D. None of the above.

9. True or False? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   (A.) True
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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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Lauren Young **Date:** 4-9-15

Company / Office Code: DOT- Harbors / Engineering / Construction

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
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4. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
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   B. Temperature, Sediment, and ~~Groundwater.~~
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9. True or False? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   A. True
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10. A silt fence needs to be maintained when:
   A. The sediment reaches one third the height of the fabric.
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   C. The sediment reaches three quarters the height of the fabric.
   D. None of the above.

Comments:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: SPENCER YIM **Date:** 4-9-15

Company / Office Code: HAR-EE

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
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3. A stabilized construction entrance:
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4. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
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   A. Provide a means of construction without harming the environment through sediment pollution.
   B. Cause undue hardship and expense on the developer and contractor.
   C. Provide jobs for government employees.
   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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Branden Sumida **Date:** 4/9/15

Company / Office Code: HAR-EM

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
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   C. Are evaluated during the design of a project in a PSMP prior to selection.
   D. All of the above.

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   A. Is best constructed with 3" to 6" crushed stone.
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4. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   D. B. and C.

7. The purpose of providing erosion and sediment control is to:
   A. Provide a means of construction without harming the environment through sediment pollution.
   B. Cause undue hardship and expense on the developer and contractor.
   C. Provide jobs for government employees.
   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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: [illegible] **Date:** 4/9/15

Company / Office Code: HAR-EM

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
   B. Are BMPs that manage stormwater runoff long after construction is pau.
   C. Are evaluated during the design of a project in a PSMP prior to selection.
   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. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
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9. True or False? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
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   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:

MĀLAMA I KE KAI - PROTECT OUR HARBOR WATERS

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: ARNOLD FUKUMOTO **Date:** 4/9/15

Company / Office Code: HAR-EM

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
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   C. Are evaluated during the design of a project in a PSMP prior to selection.
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3. A stabilized construction entrance:
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   D. All of the above.

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   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
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   D. All of the above.

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   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
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   A. Provide a means of construction without harming the environment through sediment pollution.
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   A. Whoever is the easiest to blame.
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9. True or False? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   A. True
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    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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: DALE ANDRES **Date:** 4/9/15

Company / Office Code: DOT-HAR

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
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   C. Are evaluated during the design of a project in a PSMP prior to selection.
   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. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   D. B. and C.

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   A. Provide a means of construction without harming the environment through sediment pollution.
   B. Cause undue hardship and expense on the developer and contractor.
   C. Provide jobs for government employees.
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   A. Whoever is the easiest to blame.
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   C. The owner of the project, the authorized representative, and the general contractor/operator.
   D. None of the above.

9. True or False? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: WADE TAKAMOTO **Date:** 4/9/14

Company / Office Code: DOT

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   (B) National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
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   C. Are evaluated during the design of a project in a PSMP prior to selection.
   (D.) All of the above.

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   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. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   (C.) Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   (A.) Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
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   (A.) Provide a means of construction without harming the environment through sediment pollution.
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8. Who is responsible for controlling sediment pollution?
   A. Whoever is the easiest to blame.
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   (C) The owner of the project, the authorized representative, and the general contractor/operator.
   D. None of the above.

9. True or False? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   (A) True
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10. A silt fence needs to be maintained when:
   (A) The sediment reaches one third the height of the fabric.
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   C. The sediment reaches three quarters the height of the fabric.
   D. None of the above.

Comments:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: CRAIG LUKE **Date:** 4/9/15

Company / Office Code: RM TOWILL

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

2. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
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   D. All of the above.

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   D. All of the above.

4. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
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   A. Provide a means of construction without harming the environment through sediment pollution.
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   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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   A. True
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10. A silt fence needs to be maintained when:
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    C. The sediment reaches three quarters the height of the fabric.
    D. None of the above.

Comments:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: RANDY HIRAKI **Date:** 4/9/15

Company / Office Code: HAR-EO

1. NPDES is an abbreviation of:
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   D. None of the above.

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4. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
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   C. Impervious Surfaces.
   D. All of the above.

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   A. Bio-socks and silt fences.
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9. True or False? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   A. True
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    C. The sediment reaches three quarters the height of the fabric.
    D. None of the above.

Comments:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: J Yee **Date:** 4/9/15

Company / Office Code: HARED

1. NPDES is an abbreviation of:
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   B. National Pollutant Discharge Elimination System.
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   A. Pathogens, Sediment, and Litter.
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Comments:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Richard Yoneda **Date:** 04/09/15

Company / Office Code: HAR-EC

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
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   A. Bio-socks and silt fences.
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    C. The sediment reaches three quarters the height of the fabric.
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Comments:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: BRIAN SHONO 9 **Date:** 6·16·2015

Company / Office Code: HAR/ED

1. NPDES is an abbreviation of:
   - A. National Policy for Discharge of Erosion and Sediment.
   - (B.) National Pollutant Discharge Elimination System.
   - C. National Pollutant Development and Elimination System.
   - D. None of the above.

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   - A. Must be evaluated for projects of 1-acre or more, unless exempted.
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3. A stabilized construction entrance:
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4. A project that disturbs less than 1-acre is:
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   - (C.) Required to meet Harbors Small MS4 requirements, if not exempted.
   - D. Exempt from all Harbors Small MS4 requirements.

5. (5.) Nonpoint Source pollutants include: -1
   - A. Pathogens, Sediment, and Litter.
   - B. Temperature, Sediment, and Groundwater.
   - C. Impervious Surfaces.
   - (D.) All of the above.

6. Common Permanent BMPs are:
   - A. Bio-socks and silt fences.
   - B. Permeable pavements such as pavement blocks and porous pavement.
   - C. Preserving natural areas and creating vegetated areas.
   - (D) B. and C.

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   - (A.) True
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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:

PLEASE SEE ME REGARDING MY ATTACHED NOTES. THX/

55 GAL DRUMS - VS TOTAL VOL EXCEEDS 55 GAL (MULTIPLE SMALLER DRUMS)

HW CONTAINMENT FOR HAZMAT TEMP STO ON-SITE OR

(1) USE HAZMAT LOCKERS W/ CONTAINMENT OF 1/4 VOL OF MTL STORED PALLET? I WOULD DISCOURAGE USE OF WOOD PALLETS

45:00 MIN - STABILIZED CONSTRUCTION ENTRANCE (TR-1)

(2)
- 3"-6" Ø STONES
- MIN 12" DEPTH
- MIN AREA 50' x 30'
- REMOVE CLOGGED AGGREGATE
- COMBINE W/ TIRE AND/OR ST SWEEPING

(DOESN'T ADDRESS UNDERLYING GEOTEXTILE FABRIC BASE)

(3) CITATIONS - STATE CITATION? FED?

(4) NOTE NEXT SLIDE - EPA ENFORCEMENT ADDRESS. FED ADMIN / CRIMINAL $10-$25K PENALTIES (2,500 - $25K ✓ + KNOWINGLY $5K-$50K + 3 JAIL PLUS 1 YR JAIL

PENALTIES PAID TO FEDS? STATE?

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: MARK YAMABE **Date:** 12/03/15

Company / Office Code: HAR-ED

1. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   B. National Pollutant Discharge Elimination System.
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   B. Exempt from all regulations.
   C. Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

5. Nonpoint Source pollutants include:
   A. Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   D. All of the above.

6. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   D. B. and C.

7. The purpose of providing erosion and sediment control is to:
   A. Provide a means of construction without harming the environment through sediment pollution.
   B. Cause undue hardship and expense on the developer and contractor.
   C. Provide jobs for government employees.
   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? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
   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:

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Chelsea Iannaccio **Date:** Dec. 15. 2015

Company / Office Code: Enviroservices + Training Center

1.

2. NPDES is an abbreviation of:
   - A. National Policy for Discharge of Erosion and Sediment.
   - (B) National Pollutant Discharge Elimination System.
   - C. National Pollutant Development and Elimination System.
   - D. None of the above.

3. Post Construction (Permanent) BMPs:
   - A. Must be evaluated for projects of 1-acre or more, unless exempted.
   - B. Are BMPs that manage stormwater runoff long after construction is pau.
   - C. Are evaluated during the design of a project in a PSMP prior to selection.
   - (D) All of the above.

4. 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.

5. A project that disturbs less than 1-acre is:
   - A. Required to obtain an NPDES permit for construction activities.
   - B. Exempt from all regulations.
   - (C) Required to meet Harbors Small MS4 requirements, if not exempted.
   - D. Exempt from all Harbors Small MS4 requirements.

6. Nonpoint Source pollutants include:
   - (A) Pathogens, Sediment, and Litter.
   - B. Temperature, Sediment, and Groundwater.
   - C. Impervious Surfaces.
   - D. All of the above.

7. Common Permanent BMPs are:
   - A. Bio-socks and silt fences.
   - B. Permeable pavements such as pavement blocks and porous pavement.
   - C. Preserving natural areas and creating vegetated areas.
   - (D) B. and C.

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

9. 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.

10. True or False? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
    - (A) True
    - B. False

11. 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.

12.

2015 HDOT Harbors Construction and Post-Construction Training Quiz

Instruction: Please complete this quiz and submit it to Harbors Engineering Branch Environmental Section. MAHALO NUI LOA! **One correct answer per question.**

Name: Eva Kakone **Date:** 12/10/15

Company / Office Code: Enviroservices & Training Center LLC

1.

2. NPDES is an abbreviation of:
   A. National Policy for Discharge of Erosion and Sediment.
   (B.) National Pollutant Discharge Elimination System.
   C. National Pollutant Development and Elimination System.
   D. None of the above.

3. Post Construction (Permanent) BMPs:
   A. Must be evaluated for projects of 1-acre or more, unless exempted.
   B. Are BMPs that manage stormwater runoff long after construction is pau.
   C. Are evaluated during the design of a project in a PSMP prior to selection.
   (D.) All of the above.

4. 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.

5. A project that disturbs less than 1-acre is:
   A. Required to obtain an NPDES permit for construction activities.
   B. Exempt from all regulations.
   (C.) Required to meet Harbors Small MS4 requirements, if not exempted.
   D. Exempt from all Harbors Small MS4 requirements.

6. Nonpoint Source pollutants include:
   (A.) Pathogens, Sediment, and Litter.
   B. Temperature, Sediment, and Groundwater.
   C. Impervious Surfaces.
   ~~(D.) All of the above.~~

7. Common Permanent BMPs are:
   A. Bio-socks and silt fences.
   B. Permeable pavements such as pavement blocks and porous pavement.
   C. Preserving natural areas and creating vegetated areas.
   (D) B. and C.

8. The purpose of providing erosion and sediment control is to:
   (A) Provide a means of construction without harming the environment through sediment pollution.
   B. Cause undue hardship and expense on the developer and contractor.
   C. Provide jobs for government employees.
   D. Give environmental activists something to do.

9. 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.

10. True or False? During BMP inspections, the Harbors Division BMP inspector checks the Contractor's self-inspections.
    (A) True
    B. False

11. 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.

12.

Attachment 7.c

Construction and Post-Construction Training Summary of Survey Results

2015 HDOT Harbors Construction and Post-Construction Training Results

Name	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Percentage
Andy Chan	1	1	1	1	0	1	1	1	1	1	90.00%
Arnold Fukumoto	1	1	1	1	0	1	1	1	1	1	90.00%
Arnold Liu	1	1	1	1	1	1	1	1	1	1	100.00%
Bert Toba	1	1	1	1	0	1	1	1	1	1	90.00%
Brandon Sumida	1	1	1	1	1	1	1	1	1	1	100.00%
Brian Ishil	1	1	1	1	1	1	1	1	1	1	100.00%
Brian Shono	1	1	1	1	0	1	1	1	1	1	90.00%
Craig Luke	1	1	1	1	1	1	1	1	1	1	100.00%
Dale Andres	1	1	1	1	0	1	1	1	0	1	80.00%
Dean Watase	1	1	0	0	1	0	1	1	0	1	60.00%
Dung Vo	1	1	1	1	1	1	1	1	1	1	100.00%
Francis Ahern	1	1	1	1	0	1	1	1	1	1	90.00%
Greg Hirokawa	1	1	1	0	1	1	1	1	1	1	90.00%
Joe Cheng	1	0	1	1	1	1	1	1	1	1	90.00%
Jonathan Yee	1	1	1	1	0	1	1	1	1	1	90.00%
Kekoa Tam	1	1	1	1	1	1	1	1	1	1	100.00%
Kelsite Kanetake	1	1	1	1	1	1	1	1	1	1	100.00%
Kim Kido	1	1	1	1	1	1	1	1	1	1	100.00%
Kris Made	1	1	1	1	0	1	1	1	1	1	90.00%
Kyle Ofata	1	1	1	1	0	1	1	1	1	1	90.00%
Lauren Young	1	1	1	1	0	1	1	1	1	1	90.00%
Lisa Powell	1	1	1	1	1	1	1	1	1	1	100.00%
Mark Yamabe	1	1	1	1	1	1	1	1	1	1	100.00%
Mel Travens	1	1	1	1	0	1	1	1	1	1	90.00%
Michael Dichner	1	0	1	1	1	1	1	1	0	1	80.00%
Michael Howells	1	1	1	1	1	1	1	1	1	1	100.00%
Neil Asato	1	1	1	0	0	1	1	1	1	1	80.00%
Randy Hiraki	1	1	1	1	0	1	1	1	1	1	90.00%
Ray Munos	1	1	1	1	0	1	1	1	1	1	90.00%
Richard Yoneda	1	1	1	1	0	1	1	1	1	1	90.00%
Rodney Yamane	1	1	1	1	0	1	1	1	1	1	90.00%
Sandra Rowwetter	1	1	1	1	1	1	1	1	1	1	100.00%
Sharilyn Ikeda	1	1	1	1	0	1	1	1	1	1	90.00%
Spencer Yim	1	1	1	1	0	1	1	1	1	1	90.00%
Steve Dale	1	1	0	1	1	1	1	1	1	1	90.00%

2015 HDOT Harbors Construction and Post-Construction Training Results

Name	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Percentage
Wade Takamoto	1	1	1	1	1	1	1	1	1	1	100.00%
Waylen Miyashiro	1	1	1	1	0	1	1	1	1	1	90.00%
William Makanui	1	1	1	1	0	1	1	1	1	1	90.00%
Xiping Huang	1	0	1	0	0	1	1	1	0	1	60.00%
Ying Zhang	1	1	1	1	1	1	1	1	1	1	100.00%
40	HDOT Harbors Engineers, Inspectors, and Consultants attended the training									Average	91.25%
Percentage	97.56%	90.24%	92.68%	87.80%	46.34%	95.12%	97.56%	97.56%	87.80%	97.56%	

Attachment 8

Harbors Employee Survey and Summary of Results

2015 HDOT Harbors Employee Stormwater Awareness Survey

*Please complete this survey and email it to Ms. Ying "Joy" Zhang of Harbors Engineering Branch Environmental Section at ying.j.zhang@hawaii.gov by **August 31, 2015**. MAHALO NUI LOA!*

Note: One correct answer per question.

Name:_____ Office Code: _____ Date: _____

1. Pollutant discharge into waterways, including from stormwater runoff, is regulated by?
   a. Federal Clean Water Act
   b. Hawaii State Legislation
   c. City Ordinances
   d. All of the above

2. Which of the following activities can generate stormwater pollutants?
   a. Fueling without spill containment.
   b. Hand washing if sink or washwater is not contained.
   c. Uncontained material storage.
   d. All of the above.

3. What is the definition of an illicit discharge?
   a. A non-stormwater discharge that poses a risk to the environment.
   b. A stolen discharge.
   c. Stormwater entering the storm drain.
   d. None of the above.

4. What is required if an illicit discharge is suspected at Honolulu Harbor or Kalaeloa Barbers Point Harbor?
   a. Call Harbor Traffic Control Unit.
   b. Call the Stormwater Reporting Hotline.
   c. Stand and watch the discharge.
   d. a or b.

5. When is the most efficient and economical way to irrigate your lawn?
   a. In the early morning or evening
   b. Noon
   c. When it is raining
   d. Every full moon

6. Mud and dirt that is tracked onto the street should be cleaned off daily with a hose.
   a. True
   b. False

7. Dog "Poop" can be disposed of in the following ways:
   a. In the toilet
   b. In the storm drain
   c. In the trash
   d. a and c only.

8. Which of the following guidelines apply to the storage and use of fertilizer and pesticide?
   a. Store in covered area in closed containers.
   b. Do not apply when it is raining.
   c. Follow the manufacturer's instructions.
   d. All of the above.

9. Storm drains are connected to the sewer pipes, which go to a wastewater treatment plant.
   a. True
   b. False

10. What are some alternative ways to irrigate your lawn?
    a. Use a rain barrel
    b. Reroute your car wash water to your lawn
    c. Direct your roof downspouts toward landscaped areas.
    d. All of the above.

Comments:

2015 HDOT Harbors Division Employee Survey Results

Name	Division	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Total
Agmata,Norma H	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Agpalsa,Ronald K	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Aguinaldo,Walter D	Hrbrs Div	1	1	0	0	1	1	1	1	0	1	7
Aina,Clyde I	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Aina,Dave D	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Aiu,Ana Marie D	Hrbrs Div	1	0	1	1	1	1	1	1	1	1	9
Alao,Gaivin C	Hrbrs Div											0
Alcosiba,Dayton N	Hrbrs Div											0
Alejandro,Charles J	Hrbrs Div											0
Alipio,Viola Rose	Hrbrs Div											0
Alpuro,Joseph Otico	Hrbrs Div	1	1	1	1	1	0	0	1	1	1	8
Andres,Dale C	Hrbrs Div	1	1	1	1	1	0	1	1	1	1	9
Apana,Chilltin Jr	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Arakaki,Kelly K	Hrbrs Div	1	1	0	0	1	1	0	1	1	0	6
Araki,Keoni T	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Argones,Mario Y	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Asato,Neil M	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Asuncion,Shayna M M	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Au,June A	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Au,Kendrick Yun Hook	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Augustin,Michael J	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Badua,Curtis D Sr	Hrbrs Div	1	1	1	1	1	1	1	0	1	1	9
Bautista,Cynthia P	Hrbrs Div	1	1	1	1	1	1	1	1	0	1	9
Bautista,F P S Jr	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Bee,Bob M	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Bigelow,Aurora B	Hrbrs Div	1	1	1	1	1	1	1	1	0	1	9
Bondaug,Marissa A	Hrbrs Div											0
Boyce,Nelson E	Hrbrs Div	1	0	1	1	1	1	1	1	1	1	9
Brittain Jr,Harold E	Hrbrs Div											0
Buendia,Derek A	Hrbrs Div	1	1	1	0	1	1	1	1	1	0	8
Bulteo,Hacal	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Canite,Donovan G	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Carvalho,Richard M	Hrbrs Div											0
Castillo,Josephine M	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Castili,Randy	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Castro,Albert L Jr	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10

2015 HDOT Harbors Division Employee Survey Results

Name	Division	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Total
Cecconi,Robert A	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Chan,Siu Wing	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Chee,Howard Punialoha	Hrbrs Div	1	1	0	1	1	1	1	1	1	1	9
Cheng,Joe Y C	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Chikamori,Keith K	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Childress,Ameria V	Hrbrs Div											0
Chu,Aaron K M	Hrbrs Div	1	1	0	1	1	0	1	1	1	1	8
Chun,Calvert J T	Hrbrs Div	1	1	0	1	1	0	1	1	1	1	8
Clark,Annabelle R	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Correia,Douglas K	Hrbrs Div	1	0	1	1	1	1	0	1	1	1	8
Craig,Iris K	Hrbrs Div	1	1	0	1	1	0	1	1	1	1	8
Crowell,Robert B	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Dale,Steven R	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Dejesus,John S	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Delacruz,Anthony Mark	Hrbrs Div	1	1	0	1	1	1	1	1	1	1	9
Delos Santos,Clayton	Hrbrs Div	1	0	0	1	1	1	0	0	1	0	5
Dichner,Michael	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Diego,Peter D	Hrbrs Div											0
Doles,Ricardo Q	Hrbrs Div											0
Dupio,Sergio C	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Estepa,Rea T	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Felix,Michael Kevin	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Ferguson-Miyamoto,J M	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Flaherty, Gordon	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Franklin,Vannesa Tran	Hrbrs Div											0
Freitas,Michele Lynn G N	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Friel,J Brett	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Fukumoto,Arnold H	Hrbrs Div	1	1	1	0	1	1	1	1	1	1	9
Galdeira,Guy	Hrbrs Div	1	0	1	0	1	1	1	1	1	1	8
Ganigan,Arleen S	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Ganton,Joe	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Gayer,Robert M	Hrbrs Div											0
Gomes,Gregory K	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Gomez,Franita K	Hrbrs Div											0
Gonsales,Jason R	Hrbrs Div	1	1	1	0	1	0	0	1	1	0	6
Gooch,Daniel A	Hrbrs Div											0

2015 HDOT Harbors Division Employee Survey Results

Name	Division	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Total
Guron,Nestor G	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Hanohano,Mark M	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Hashiro,Mark K	Hrbrs Div											0
Hayashi,Elaine C	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Heafner,Sherryle F	Hrbrs Div											0
Higashi,Jo-Ann E	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Hiraki,Randal K	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Hirano,Elmer T	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Hirokawa,Gregg H	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Hodgins, Bryson Kimo Kaili	Hrbrs Div	1	1	1	0	1	1	1	1	1	1	9
Hodson,Carol-Ann T	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Hood,Jeff D	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Howells,Michael H	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Huang,Xiping	Hrbrs Div	1	0	1	0	0	1	1	1	1	1	7
Ibana,Dean F S	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Ibarra,Violette M	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Idemoto Jr,Robert K	Hrbrs Div											0
Ikeda,Sharilyn S	Hrbrs Div											0
Inso,Rafael F	Hrbrs Div											0
Iritani,Amy S	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Isa,Richard Rodney	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Ishibashi,Gene M	Hrbrs Div											0
Jaena,Avery J L	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Jichaku,Alan H	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Kahaleoumi,Wendell Jr	Hrbrs Div	1	1	1	1	1	0	1	1	1	1	9
Kaili,Lee Ann K	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Kalili, Dre		1	1	0	1	1	1	1	1	1	1	9
Kaloa,Nelson K	Hrbrs Div	1	0	1	1	1	1	1	1	1	1	9
Kam,Wendell K H	Hrbrs Div	1	1	0	1	1	0	1	1	1	1	8
Kapanui-Sula,Rosie-Jo P	Hrbrs Div	1	1	0	1	1	1	1	1	1	1	9
Kapuniai,Ronald G	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Kawai,Gavin Eleu	Hrbrs Div											0
Kawamoto,Wesley T	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Kido,Kimberly	Hrbrs Div											0
Kim,Duane S S	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Kimura,Clarence M	Hrbrs Div											0

2015 HDOT Harbors Division Employee Survey Results

Name	Division	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Total
Koa,Henry A.	Hrbrs Div	1	1	0	1	1	1	1	1	1	1	9
Kono,Kerstin T	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Kua,Jonathan L	Hrbrs Div											0
Kumasaka,Peter K	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Kuntz,Debra L	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Kuriki,Beverly C	Hrbrs Div	1	1	1	1	0	1	1	1	1	0	8
Lee,David L	Hrbrs Div											0
Lee,William G T	Hrbrs Div	1	1	1	0	1	1	1	1	1	1	9
Leong,Eric S L	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Leong,Randal H W	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Liftee Jr,John M	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Lindsey,Cynthia J	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Liu,Arnold H K	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Luke,Carter W S	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Mahaulu,Daverney Gioia K	Hrbrs Div	0	1	1	1	1	0	1	1	1	0	7
Markle,David G	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Matsumoto,Lesley A	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Maulupe,Semala P	Hrbrs Div	1	1	0	1	1	1	1	1	1	1	9
Mckee,Jon C	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
McKeen,Greer L	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Mclean,Robert A	Hrbrs Div	1	1	1	0	1	1	1	1	1	1	9
Meatoga,Kenneth K	Hrbrs Div	1	1	0	1	1	1	1	1	1	1	9
Medeiros,Thomas P	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Mentac Jr,Prodencio B	Hrbrs Div											0
Mike,Winfield Z	Hrbrs Div	1	1	0	1	1	1	1	1	1	1	9
Milles,Michael K	Hrbrs Div	1	1	0	0	1	1	1	1	0	1	7
Minoda,Don H	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Miu,Margaret WC	Hrbrs Div											0
Miura,Kevin J	Hrbrs Div											0
Miyahira,Kathy P	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Miyamoto,Charles K	Hrbrs Div	1	1	1	1	1	0	1	1	1	1	9
Miyasato,Neal H	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Miyashiro,Patti E	Hrbrs Div	1	1	0	1	1	1	1	1	1	1	9
Moore,Russell L	Hrbrs Div	1	1	1	1	1	0	0	1	1	1	8
Morse,Emerson	Hrbrs Div	1	1	1	1	1	1	1	0	1	1	9
Mun,Jeffrey H S	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10

2015 HDOT Harbors Division Employee Survey Results

Name	Division	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Total
Murakami,Alan Koji	Hrbrs Div	1	1	1	1	1	0	1	1	1	0	8
Nekoba,Robert H	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Nihi,Sandra D	Hrbrs Div	1	1	0	1	1	1	1	1	1	1	9
Nihipali,Cherinne L	Hrbrs Div	1	1	1	1	1	0	1	1	0	1	8
Niibu,Clayton E	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Nishigata,Clyde M	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Nishigata,Jason K	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Nishimura,Chad C	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Nobriga,Louis J	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Offutt,Todd	Hrbrs Div											0
Okamoto,Dennis Y	Hrbrs Div											0
Okamoto,Larry W M	Hrbrs Div	0	1	0	1	1	1	1	1	1	1	8
Olanolan,Beulah A K	Hrbrs Div	1	1	1	0	1	0	1	1	1	1	8
Ontai,Clifford J	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Ota,Eric K	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Otaguro,Janice M	Hrbrs Div											0
Pacheco,Gilbert T Jr	Hrbrs Div	1	1	0	0	1	1	0	0	0	0	4
Padilla,Felino Santos	Hrbrs Div											0
Powell,Lisa R	Hrbrs Div											0
Prather,Jeffrey S	Hrbrs Div	1	1	1	1	1	1	1	1	0	1	9
Preza Jr,Aurelio A	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Pruski,Peter J	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Radona,Jerome M	Hrbrs Div	1	1	0	1	0	1	0	1	1	1	7
Rapozo,Gerald Bruce	Hrbrs Div	0	1	0	1	1	0	0	1	1	1	6
Redila,Fleur De Liz	Hrbrs Div	1	1	1	1	1	1	1	1	0	1	9
Rivera,Antonio J	Hrbrs Div	1	1	0	1	1	1	1	1	1	1	9
Rocha,Edward E	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Rodrigues Jr,Dennis	Hrbrs Div	1	1	1	1	1	0	1	1	1	1	9
Rodrigues Jr,William J	Hrbrs Div	1	1	0	1	1	1	1	1	1	1	9
Romero,Corey K	Hrbrs Div	1	1	0	1	1	1	1	1	1	1	9
Rossetter,Sandra C	Hrbrs Div	1	1	1	0	1	1	1	1	1	1	9
Sacapanio-Baisa,Marshall J	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Sagayadoro,Nestor L	Hrbrs Div	1	0	1	1	1	1	0	0	1	1	7
Saito,Raymond M	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Saito,Richard H	Hrbrs Div											0
Sakamoto Anne	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10

2015 HDOT Harbors Division Employee Survey Results

Name	Division	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Total
Salvador,Juan Jr B	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Santos,Patrick W	Hrbrs Div	1	1	0	1	1	1	1	1	1	1	9
Savea,Christopher S	Hrbrs Div	1	1	0	1	1	1	1	1	1	1	9
Savusa,Joni L	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Shimabukuro,Brandie R	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Shimizu,Paul M	Hrbrs Div											0
Shinsato,Gary H	Hrbrs Div	1	1	1	0	1	0	1	1	1	1	8
Shintani,Candice C	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Shiroma,Kevin T	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Shono,Brian K	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Sibounheuang,Vandy	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Stanley,Brock A	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Stevens,Anne V	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Strehler,Bernard L	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Suganuma,Elton K	Hrbrs Div											0
Sumida,Branden S	Hrbrs Div	1	1	1	1	1	0	1	1	1	1	9
Sunada,Layne M	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Sutcharifkol,Jeremy	Hrbrs Div	1	1	1	1	1	0	1	1	1	0	8
Tachino,Bonny S	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Takamoto,Wade K	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Takata,Gary M	Hrbrs Div											0
Takeshima,Erin M	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Tanaka-Kawaakoa,Reginald	Hrbrs Div	1	1	1	1	1	1	0	1	1	1	9
Toba,Bert R	Hrbrs Div											0
Todt,John W	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Travens,Melchor A	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Tsuzuki,Gary I	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Tyau,Sau Ying L	Hrbrs Div	1	0	1	1	1	1	1	1	1	1	9
Ueda,Spencer S	Hrbrs Div											0
Umeda,Myles S	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Valdez,Anthony D	Hrbrs Div											0
Valeriano,Ciriaco P	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Vangelder,Alice R	Hrbrs Div	1	1	1	1	1	0	1	1	1	1	9
Ventar,Judson Kurt Sr.	Hrbrs Div	1	1	0	1	1	1	1	1	1	1	9
Vo,Dung P	Hrbrs Div											0
Vuong,Huong C	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10

2015 HDOT Harbors Division Employee Survey Results

Name	Division	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Total
Wai,Cheri A	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Wang,Lena L	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Watase,Dean K	Hrbrs Div	1	1	1	0	1	1	1	1	0	1	8
Williams,Logan J Iv	Hrbrs Div	1	1	1	1	1	1	0	1	1	1	9
Woo,Calvin K	Hrbrs Div	1	1	1	1	1	1	0	1	1	1	9
Yagi,Amy	Intern	1	0	1	1	1	1	1	1	0	1	8
Yama,Dwight H	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Yamabe,Mark A	Hrbrs Div	1	1	1	1	1	0	1	1	1	1	9
Yamada,Helen M	Hrbrs Div	1	1	0	1	1	0	1	1	1	1	8
Yamaguchi,Carol A	Hrbrs Div	1	1	1	1	1	0	1	1	1	1	9
Yamane,Rodney K	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Yee,Jonathan SW	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Yim,Spencer K	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Yogi,Davis K	Hrbrs Div											0
Yokouchi,Gerald S	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Yoneda,Richard S	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Young,Barbara M I	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Young,Carl G	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Young,Lauren MT	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Zane,Kenneth K K	Hrbrs Div	1	1		1	1	1		1	1	1	8
Zhang,Ying	Hrbrs Div	1	1	1	1	1	1	1	1	1	1	10
Total Account		192	185	165	179	192	172	181	190	185	186	
Correct Percentage		97.96%	94.39%	84.18%	91.33%	97.96%	87.76%	92.35%	96.94%	94.39%	94.90%	

Percentage of Employees 82.70% (responded to the survey; a total of 237)

Summary of Comments

You are the best!

Questions answered to be the best of my ability based on my limited knowledge and understanding of EPA matters.

Liking this online survey approach! Great idea!

Keep up the good work!

As member of the community where we live at, it's our responsibility to keep our environment clean especially keep our waters free from pollutants. Hurray! To the people behind in this project in Protecting our Harbor waters.

Attachment 9.a

IDDE Training Presentation Slides

HDOT – Harbors Division

Illicit Discharge Detection & Elimination

MĀLAMA I KE KAI –

Protect Our Harbor Waters

Agenda

- Regulatory Background
- Environmental Policy
- Illicit Discharge Detection & Elimination (IDDE)
- Best Management Practices
- Record Keeping
- Questions/Comments

Consequences of Non-Compliance

- September 2004: James Pflueger was fined $7.5 million for violations of the Clean Water Act. This landmark settlement is the largest penalty imposed to date in the US for a single site and single landowner. Additional fines were issued by DLNR and the State of Hawaii.
- February 2005: Frank Coluccio Construction Co. and Castle Family LLC was fined $68,000 for filling wetlands adjacent to Hamakua Stream without federal permits. An order was also given to restore the wetlands.
- May 2007: City and County of Honolulu received a fine of $1.6 million for overflows from the sanitary sewer into the storm drain system. An order was issued to upgrade the system (estimated $3.5 billion) and construct secondary treatment at wastewater treatment plants (estimated $1.5 billion).
- **September 2014: HI DOT Harbors receives NOV/fine of $1.2 million for violations of the Clean Water Act.**

EPA Regulation for HDOT Harbors

2006

- **Consent Decree**
  - Hawaii Department of Transportation (HDOT)
  - Required HDOT Harbors to establish an Environmental Management System (EMS)

2014

- **Consent Decree**
  - HDOT - Harbors associated
  - Includes requirements for Tenants, Construction and Post-Construction activities, Outfall Inspections, Storm Water Conveyance System Inspection and Cleaning, Training Programs, and Public Education
  - HDOT Shall fully comply with all requirements of the Clean Water Act, as well as with the terms and conditions of all applicable NPDES Permits

2014 Consent Decree Requirements

No.15.b.i –

"HDOT-Harbors will conduct Illicit Discharge Detection and Elimination Program Training …**HDOT-Harbors will also conduct annual training of Marine Cargo Specialists and Grounds Supervisors on Illicit Discharge Detection and Elimination procedures."**

2014 Consent Decree Requirements

No.16.a. –

"…**HDOT-Harbors shall develop and promote a list and description or examples of illicit discharges that are considered to be significant contributors or pollutants**...As part of the list, HDOT-Harbors shall clearly denote all conditionally authorized discharges to the storm sewer system, as well as **describe or give examples of discharges that are prohibited**..."

Allowable Non-Storm Water Discharges

1) Daily Operations

- Water line flushing
- Air conditioning condensate
- Landscape irrigation
- Discharges from potable water sources and foundation drains



2) Groundwater

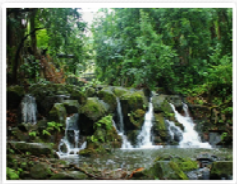
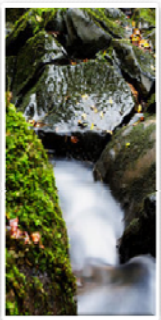
- Rising groundwater (tidal intrusion)
- Uncontaminated groundwater infiltration
- Uncontaminated pumped groundwater



Allowable Non-Storm Water Discharges

3) Natural Origin

- Springs
- Riparian habitat and wetland flows
- Diverted stream flows


4) Emergencies

- Discharges from fire fighting activities



Illicit Discharge Definition

- Non-Storm Water Discharge (NSWD)
  - A discharge that is not composed entirely of storm water


- **Illicit Discharge**
  - An NSWD that **poses a risk to the environment**


2014 Consent Decree Requirements

No.16.b.i –

"HDOT-Harbors shall conduct site assessments (or Harbor Patrol) of high-risk areas in accordance with the Tenant Inspection Program and ORIIP Manual…site assessments are intended to:

- **1) identify active or recent illicit discharges; and**
- **2) increase the field presence of HDOT-Harbors personnel, and thus deter illicit discharges.**"

2014 Consent Decree Requirements

No.16.b.ii –

"HDOT-Harbors shall provide outreach activities during site assessments that include, but are not limited to, **providing BMP fliers and other materials and a schedule of training and other outreach activities. HDOT-Harbors shall also identify areas that would benefit from signs."**

Best Management Practices Fliers

- Vehicle and Equipment Washing
- Vehicle and Equipment Fueling
- Material Storage
- Common Businesses
- Solid and Hazardous Waste Management
- Material Delivery and Handling
- Building and Remodeling
- Small Vessel Maintenance Activities
- Building Power Washing
- Sidewalk and Walkway Power Washing
- Storm Drain Inlet Protection

Available online: http://hidot.hawaii.gov/harbors/library/storm-water-management/

Illicit Discharge Signage

As stated in CD No.16.b.ii. Recommendations for signs shall be made based on patterns of illicit discharges observed.

2014 Consent Decree Requirements

No.14.c.i –

"HDOT-Harbors shall install the signs no later than 90 days after the entry of the Consent Decree. On an annual basis, HDOT-Harbors shall evaluate the need for additional signs, taking into account changing Tenant use patterns at the Harbors, and report this information in the ACR."

2014 Consent Decree Requirements

No.16.b.iii. –

"**HDOT-Harbors shall respond to violations identified during site assessments and initiate enforcement** in accordance with the Enforcement Response Plan."

HDOT Environmental Policy

- **Continual Improvement**

  Work continuously to improve the effectiveness of our environmental programs by establishing appropriate objectives, performance indicators and monitoring to guide those efforts and measure progress.

- **Obey Laws**

  Comply with all applicable environmental federal, state, and local statutes, regulations, enforceable agreements and permits. HDOT will employ training and communication tools to provide our employees awareness of this Policy, current applicable regulations and how it applies to everyday work.

- **Prevent Pollution**

  HDOT shall make efforts to reduce waste generation, minimize the use of hazardous chemicals, use recycled material when feasible, reduce resource consumption, and promptly respond to unplanned releases of pollutants (or contaminants) to minimize impact to the environment.

Regulatory Background

Regulatory Mechanisms

- 40 CFR - Clean Water Act & NPDES
- Hawaii Revised Statutes (HRS)
- Hawaii Administrative Rules (HAR)
- Other Applicable State & Federal Regulations

Penalties for Lack of Compliance (dependant on severity of violation)

i. Verbal warnings
ii. CITATION WITH MONETARY FINES
iii. TERMINATION OF REVOCABLE PERMIT OF LEASE
iv. REFERRAL TO HDOH OR OTHER APPROPRIATE REGULATORY AGENCY

Hawaii Regulatory Background

- NPDES regulatory authority is administered by Hawaii Department of Health
- Hawaii Administrative Rules (HAR)
  - Title 11Chapter 55 (11-55)
    - Water Pollution Control
  - Appendix K
    - NPDES General Permit Authorizing Discharges of Storm Water and Certain Non-Storm Discharges from Small MS4s
- Harbors Division – Notice of General Permit Coverage (NGPC)
  - HI 03KB482 – Honolulu Harbor Permit
  - HI 03KB488 – Kalaeloa Barbers Point Harbor Permit

Regulatory Background

Hawaii Revised Statue	Summary and Purpose of Statue
HRS 266-1	Gives DOT jurisdiction over commercial harbors
HRS 266-2	Authorizes DOT to "use and permit and regulate"
HRS 266-3	DOT Director can adopt rules to prevent discharges likely affecting water quality or rendering such harbors unsightly, unhealthy, or unclean.
HRS 266-24	Establishes any officer, employee, or representative of the DOT as enforcing parties. Responsibilities include: • Inspecting and examining, at reasonable hours, any premises within HDOT-Harbors property; • Conduct enforcement actions through serving notices/orders, executing warrants, and arresting offenders.

Regulatory Background (Litter/Pollution)

- HAR 19-42-126; Littering or Polluting Land Areas
  - *(a) No person shall **throw, place, leave, deposit or abandon, or cause or** permit to be thrown, placed, left, deposited or abandoned **any litter within** a state harbor, except in receptacles designated by the department for the disposal of such materials. "Litter" as used in this section includes any and **all types of debris and substances, whether liquid or solid, and materials** such as **garbage, refuse, rubbish, glass, cans, bottles, paper, wrappings, fish or animal carcasses or any other substances which render harbor lands or** facilities unsightly, noxious or otherwise unwholesome to the detriment of the public health and welfare and effective and safe operation of the harbor.*
  - *(b) No person shall **deposit oil, oily refuse, sludge, chemicals or other hydrocarbons on state property except in specially designated collection** points. These items **may not be left in or near standard refuse containers or** anywhere else on harbors property. Penalties, including but not limited to the **revocation of mooring permits and the right to use the facilities, may be** invoked.*

Regulatory Background (Litter/Pollution)

- HAR 19-42-127; Littering or Polluting of Water
  - *No person shall place, throw, deposit, or discharge, or cause to be placed, thrown, deposited, or discharged into the waters of any harbor, river or shore waters of the State any* ***litter, or other gaseous, liquid or solid materials which render the water unsightly, noxious or*** *otherwise unwholesome so as to be detrimental to the public health and welfare or a navigational hazard. No person shall discharge* ***oil sludge, oil refuse, fuel oil or molasses either directly or indirectly, or pump bilges or ballast tanks containing other than clean water into the*** *waters of any harbor, river or into any shore waters in the State.*

Illicit Discharge Definition

- Non-Storm Water Discharge (NSWD)
  - A discharge that is not composed entirely of storm water

http://www.georgiasprinklers.com/wp-content/uploads/2012/12/McDonough-GA-Irrigation.jpg

http://en.wikipedia.org/wiki/Firefighting#mediaviewer/File:DOD_mobile_aircraft_firefighting_training_device.jpg

- **Illicit Discharge**
  - An NSWD that **poses a risk to the environment**

Common Illicit Discharges

- 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

Common Illicit Discharges:

✓Outdoor Hand Wash Stations and Sinks Draining to Ground

HAR 19-42-126; Littering or Polluting Land Areas

(b) No person shall deposit oil, oily refuse, sludge, chemicals or other hydrocarbons on state property except in specially designated collection points.

Common Illicit Discharges:

- ✓Building/Equipment Power Washing – Unpermitted and Improperly Contained

HAR 19-42-126; Littering or Polluting Land Areas

(b) No person shall deposit oil, oily refuse, sludge, chemicals or other hydrocarbons on state property except in specially designated collection points.

Common Illicit Discharges:

✓Vehicle Washing – Unpermitted and Improperly Contained

HAR 19-42-126; Littering or Polluting Land Areas

(b) No person shall deposit oil, oily refuse, sludge, chemicals or other hydrocarbons on state property except in specially designated collection points.

Vehicle And Equipment Washing

Required Equipment to be Used Onsite in Designated Area:

- **Wet Vacuum**
- **Berm**
- **Proper Containment**
- **Proper Waste Disposal**

- *Berm the area surrounding the vehicle and use a wet/dry vacuum to capture the wash water.*
- *Properly contain the wash water and dispose according to permit.*
- *If detergents are used, clean the pavement to prevent this material from being carried to the storm drain during the next rainstorm.*

Vehicle And Equipment Washing

WHO IS APPROVED?

1. McCabe, Hamilton & Renny (Wash Rack on Pier 23)
2. Young Brothers (Wash Rack on Pier 40)
3. Matson (Wash Rack on Pier 52)
4. Horizon (Pier 51A)
5. Hawaii Stevedores (Pier 1)

Common Illicit Discharges:

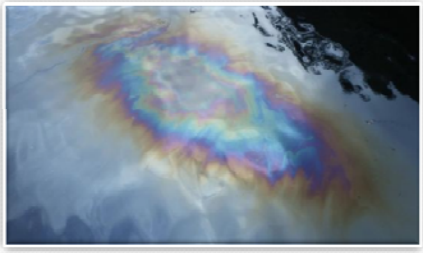
- ✓Large Spills
  - ✓Vehicle Maintenance
  - ✓Material Storage
  - ✓Fueling Operations

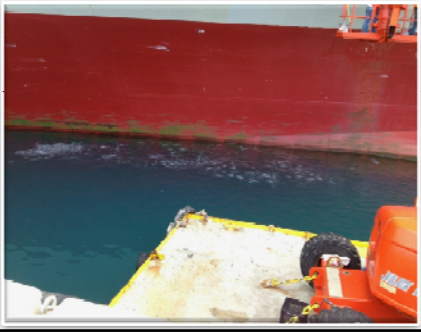
HAR 19-42-126; Littering or Polluting Land Areas

(b) No person shall deposit oil, oily refuse, sludge, chemicals or other hydrocarbons on state property except in specially designated collection points.

Common Illicit Discharges:

- ✓Petroleum Sheen During Rain Events and Debris from Painting Operations





HAR 19-42-127; Littering or Polluting of Water

No person shall place, throw, deposit, or discharge, or cause to be placed, thrown, deposited, or discharged into the waters of any harbor, river or shore waters of the State any litter, or other gaseous, liquid or solid materials which render the water unsightly, noxious or otherwise unwholesome so as to be detrimental to the public health and welfare or a navigational hazard.

Storm Water Contacts

HARBORS CONTACTS – LAND BASED DISCHARGES

Harbors Environmental Section -	**(808) 587-1962**
	(808) 587-1976
	(808) 587-1960
	(808) 587-1963
Harbors Special Projects Section -	**(808) 586-2455**
Harbors Construction Section -	**(808) 587-1866**
Harbors Property Management Section -	**(808) 587-1944**

DISCHARGES ON THE WATER OR FROM VESSELS

Marine Traffic Control Unit -	**(808) 587-2076**

Illicit Discharge Investigation

- Indications of an Illicit Discharge during dry weather conditions:

Odor	Color	Turbidity	Floatables	Deposits/ Stains
Sewage	Brown	Cloudy	Sewage	Oily
Petroleum/Gas	Gray		Petroleum/Gas	Flow Line
Sulfide	Green	Opaque		Paint
Rancid/Sour	Red		Suds/Bubbles	Sediment

Illicit Discharge Investigation

Observe
- Once a suspected illicit discharge is observed, stop and investigate
- Note indications of suspected illicit discharge
- Take pictures!

Trace
- Follow the suspected illicit discharge to locate the source
- Speak with local representatives (employees, tenant representatives) about potential spill, notify them of the suspected illicit discharge

Report
- Call appropriate agency and environmental response hotlines
- Describe location and your findings

Document
- Take pictures (more pictures the better!)
- Fill out and submit Suspected Illicit Discharge Reporting Form

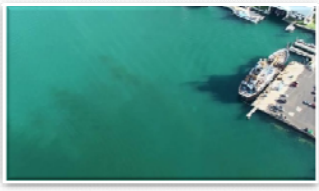
Illicit Discharge Reporting

Discharge from vessel or already made it to water???

REPORT IT!!!

Harbor Traffic Control Unit (24/7)

(808) 587-2076



Discharge from *land based* sources???

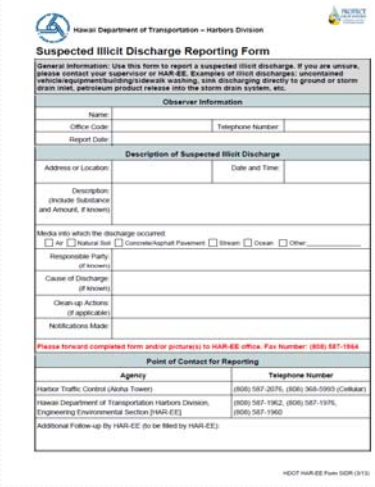
REPORT IT!!!

Harbors Environmental Section (work hours)

(808) 587-1962

Documentation – Record Keeping

- **O drive: /EMS/Harbors Division Notification Procedures/Suspected Illicit Discharge Reporting Form - Fillable**



Hawaii Department of Transportation – Harbors Division

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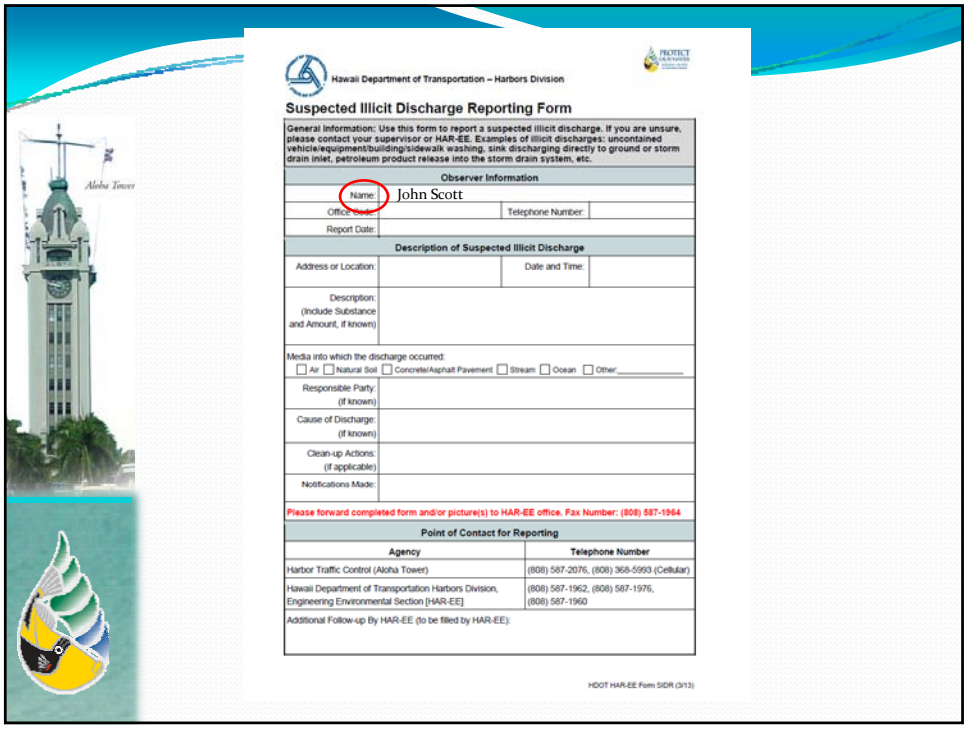
Observer Information			
Name:			
Office Code:		Telephone Number:	
Report Date:			
Description of Suspected Illicit Discharge			
Address or Location:		Date and Time:	
Description: (Include Substance and Amount, if known)			
Media into which the discharge occurred: ☐ Air ☐ Natural Soil ☐ Concrete/Asphalt Pavement ☐ Stream ☐ Ocean ☐ Other:_____			
Responsible Party: (if known)			
Cause of Discharge: (if known)			
Clean-up Actions: (if applicable)			
Notifications Made:			

Please forward completed form and/or picture(s) to HAR-EE office. Fax Number: (808) 587-1964

Point of Contact for Reporting	
Agency	**Telephone Number**
Harbor Traffic Control (Aloha Tower)	(808) 587-2076, (808) 368-5993 (Cellular)
Hawaii Department of Transportation Harbors Division, Engineering Environmental Section [HAR-EE]	(808) 587-1962, (808) 587-1976, (808) 587-1960
Additional Follow-up By HAR-EE (to be filled by HAR-EE):	

HDOT HAR-EE Form SIDR (3/13)



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Observer Information			
Name:	John Scott		
Office Code:		Telephone Number:	
Report Date:			

Description of Suspected Illicit Discharge			
Address or Location:		Date and Time:	
Description: (Include Substance and Amount, if known)			
Media into which the discharge occurred: ☐ Air ☐ Natural Soil ☐ Concrete/Asphalt Pavement ☐ Stream ☐ Ocean ☐ Other:_____			
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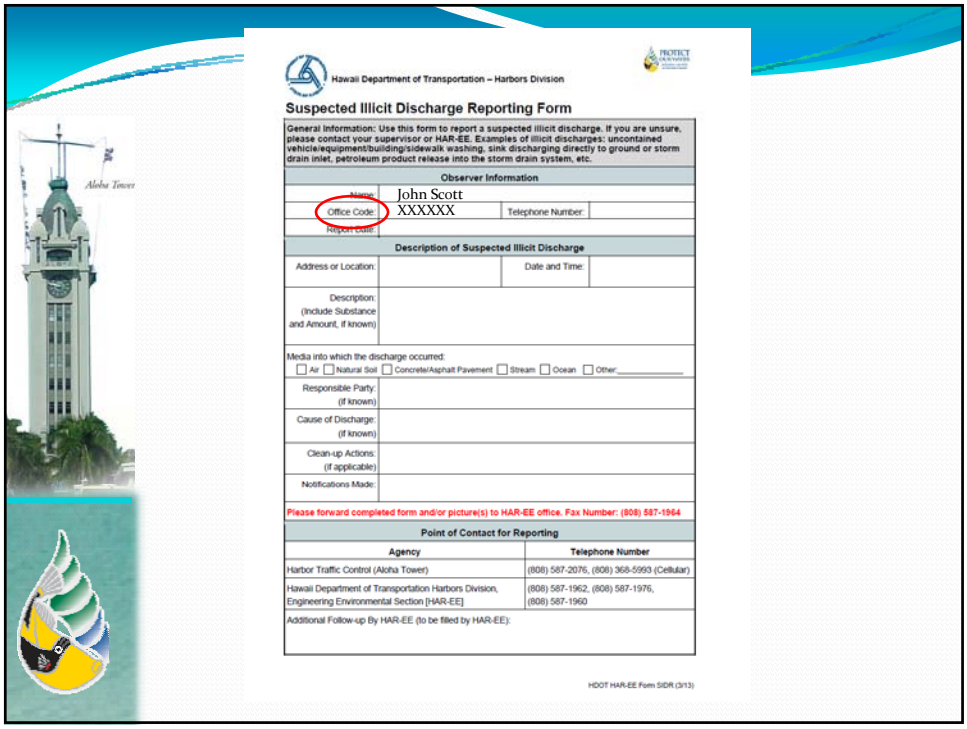

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Report Date:			

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Description: (Include Substance and Amount, if known)			
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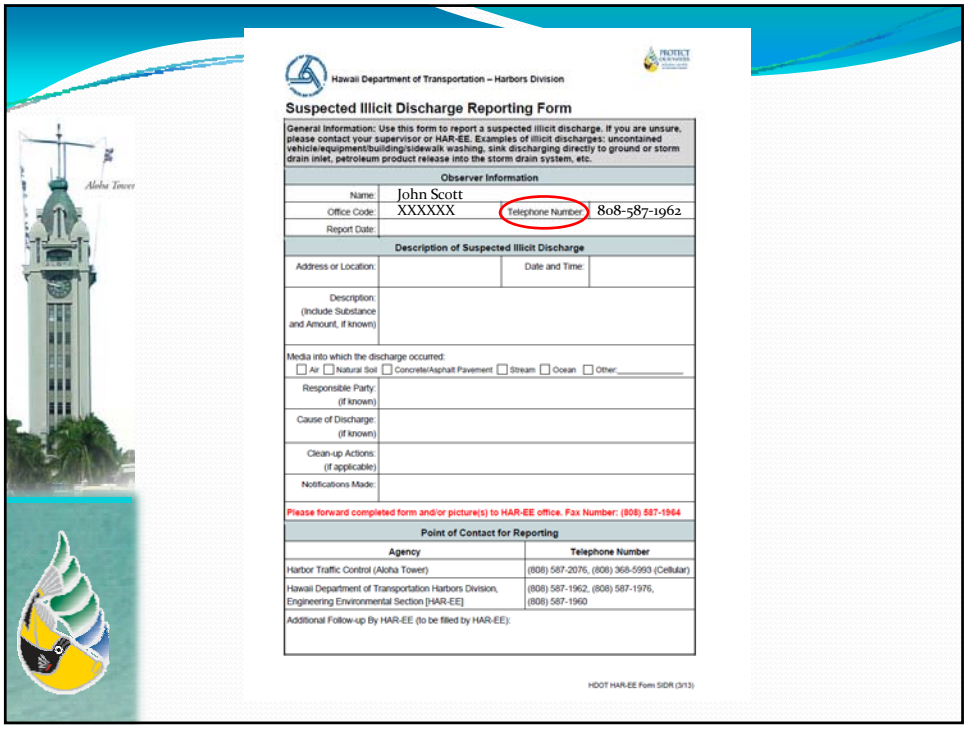

Hawaii Department of Transportation – Harbors Division

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Observer Information			
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Office Code:	XXXXXX	Telephone Number:	808-587-1962
Report Date:			

Description of Suspected Illicit Discharge			
Address or Location:		Date and Time:	
Description: (Include Substance and Amount, if known)			
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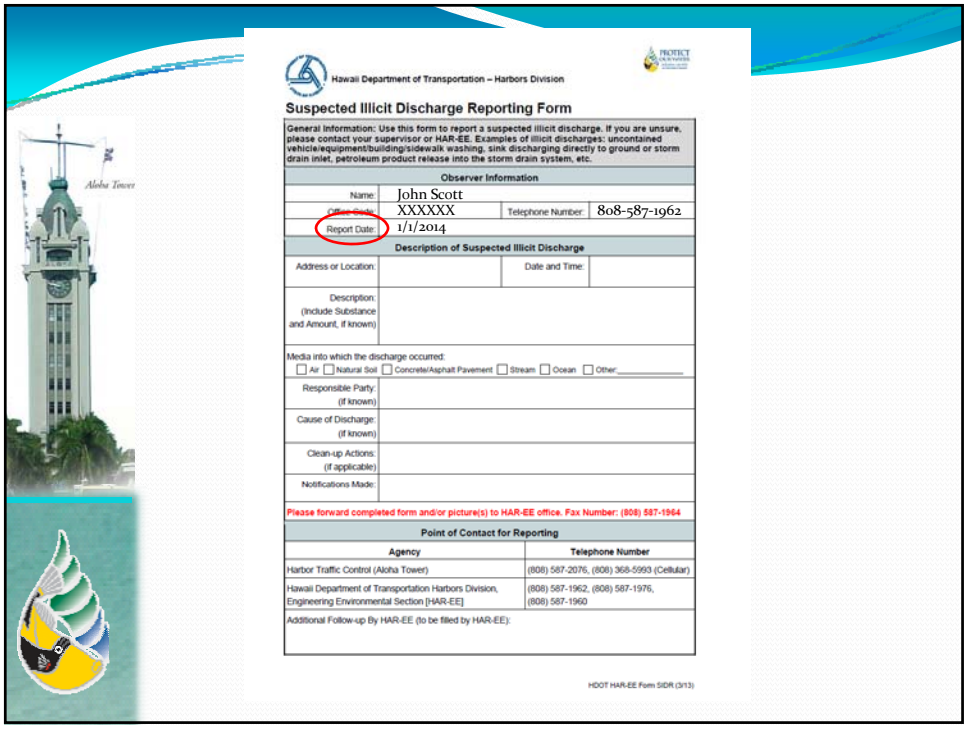

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Observer Information			
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Office Code:	XXXXXX	Telephone Number:	808-587-1962
Report Date:	1/1/2014		

Description of Suspected Illicit Discharge			
Address or Location:		Date and Time:	
Description: (Include Substance and Amount, if known)			
Media into which the discharge occurred: ☐ Air ☐ Natural Soil ☐ Concrete/Asphalt Pavement ☐ Stream ☐ Ocean ☐ Other:_____			
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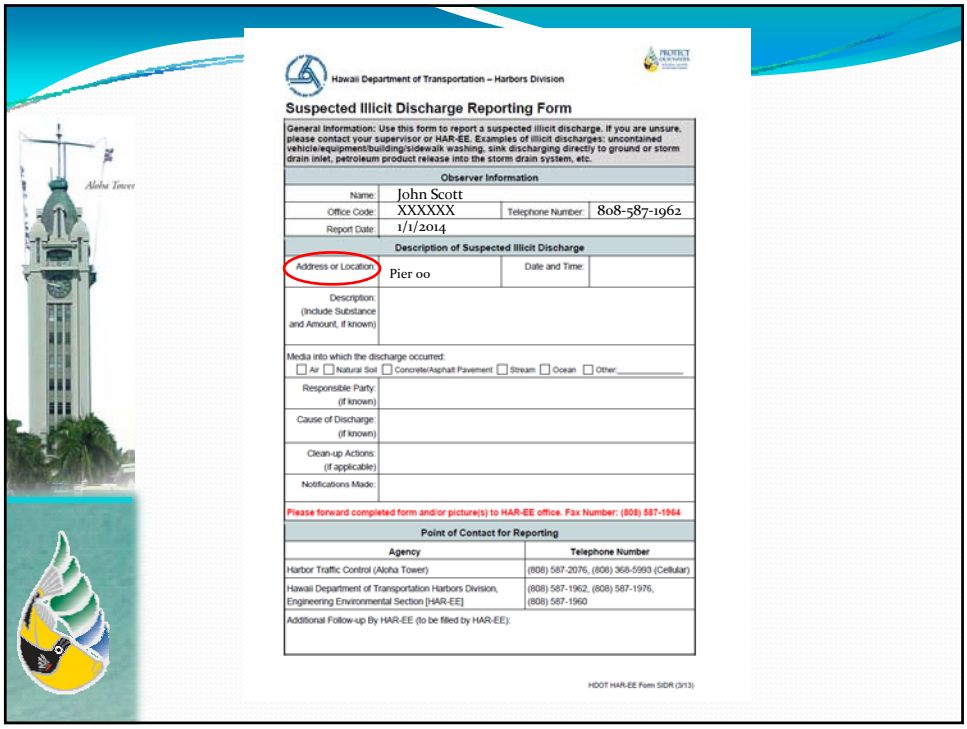

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Observer Information			
Name:	John Scott		
Office Code:	XXXXXX	Telephone Number:	808-587-1962
Report Date:	1/1/2014		

Description of Suspected Illicit Discharge			
Address or Location:	Pier 00	Date and Time:	
Description: (Include Substance and Amount, if known)			
Media into which the discharge occurred: ☐ Air ☐ Natural Soil ☐ Concrete/Asphalt Pavement ☐ Stream ☐ Ocean ☐ Other:_____			
Responsible Party: (if known)			
Cause of Discharge: (if known)			
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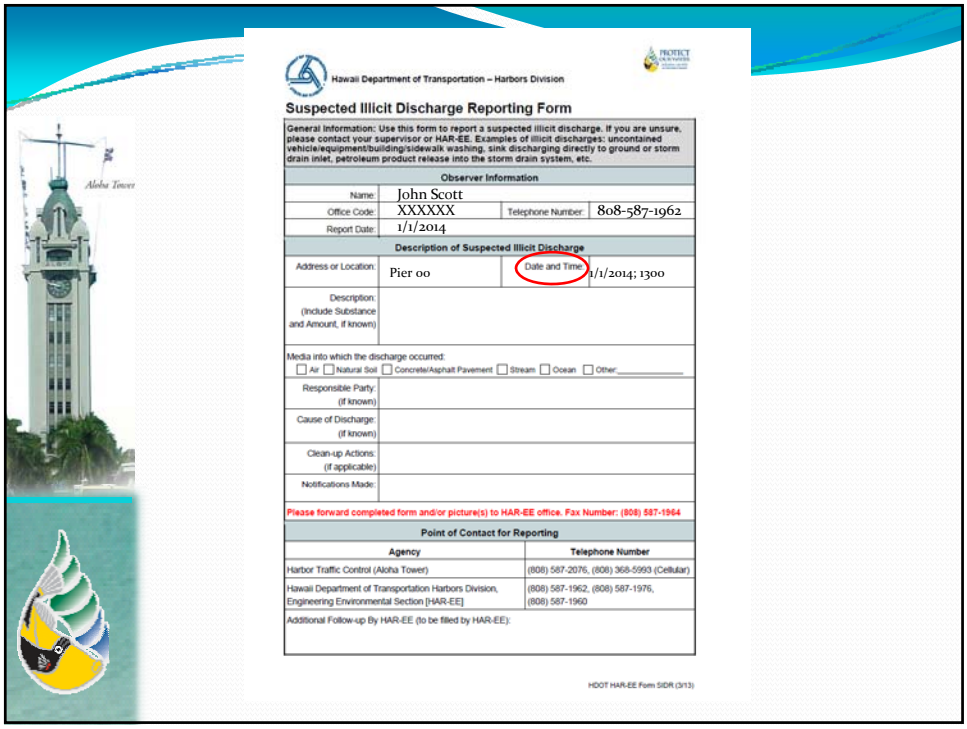

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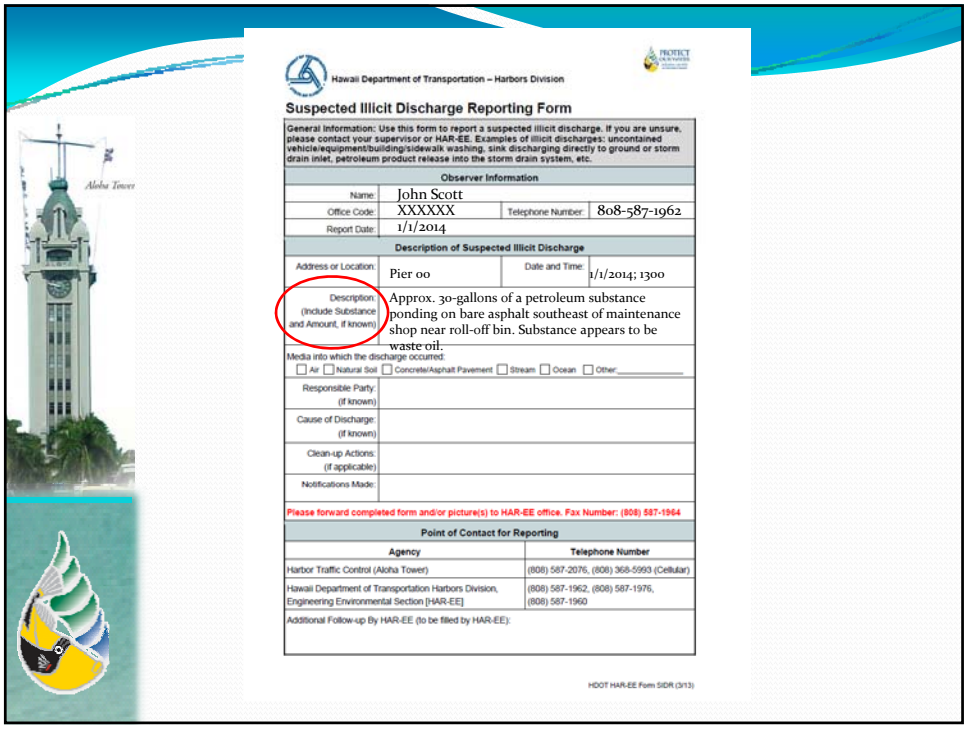

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Description of Suspected Illicit Discharge			
Address or Location:	Pier 00	Date and Time:	1/1/2014; 1300
Description: (Include Substance and Amount, if known)	Approx. 30-gallons of a petroleum substance ponding on bare asphalt southeast of maintenance shop near roll-off bin. Substance appears to be waste oil.		
Media into which the discharge occurred: ☐ Air ☐ Natural Soil ☐ Concrete/Asphalt Pavement ☐ Stream ☐ Ocean ☐ Other:_____			
Responsible Party: (if known)			
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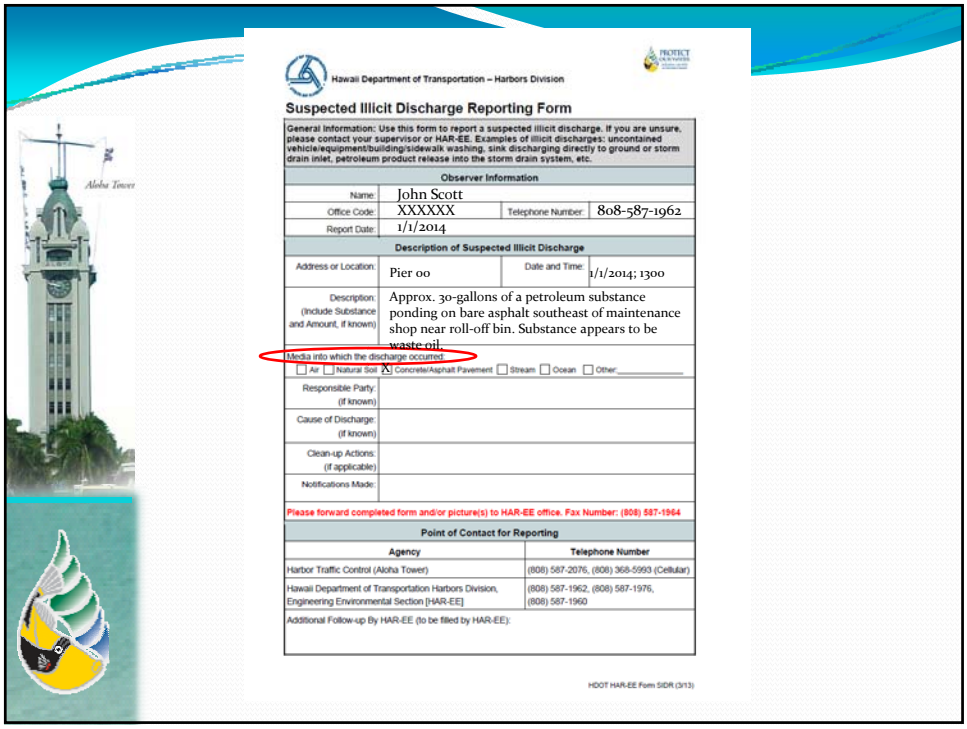

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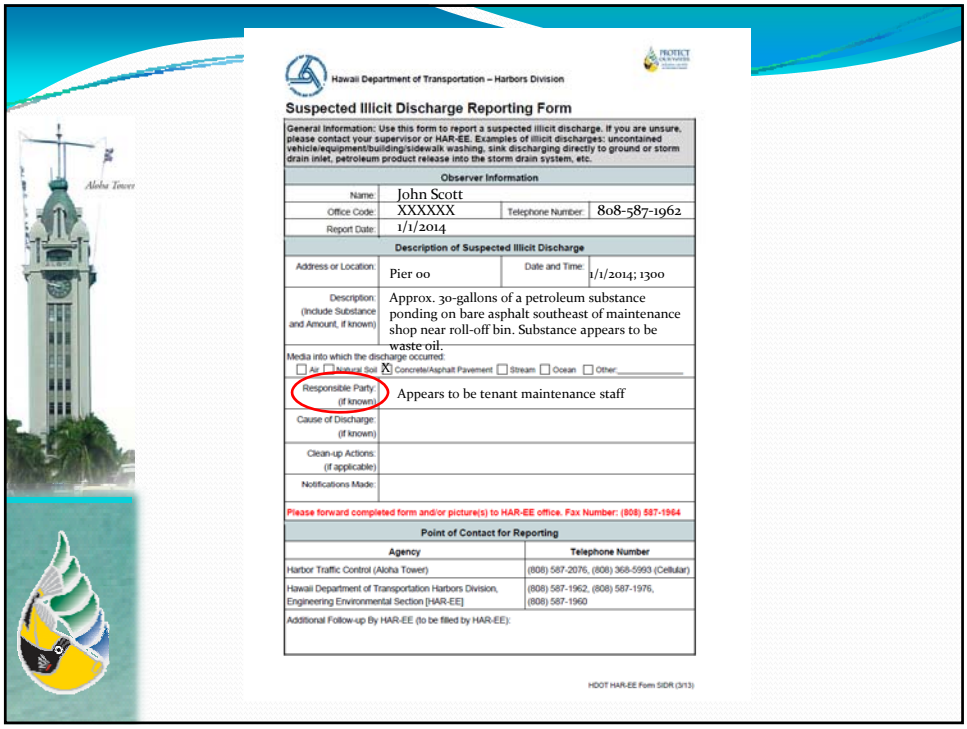

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Address or Location:	Pier 00	Date and Time:	1/1/2014; 1300
Description: (Include Substance and Amount, if known)	Approx. 30-gallons of a petroleum substance ponding on bare asphalt southeast of maintenance shop near roll-off bin. Substance appears to be waste oil.		
Media into which the discharge occurred: ☐ Air ☐ Natural Soil ☒ Concrete/Asphalt Pavement ☐ Stream ☐ Ocean ☐ Other:_____			
Responsible Party: (if known)	Appears to be tenant maintenance staff		
Cause of Discharge: (if known)			
Clean-up Actions: (if applicable)			
Notifications Made:			

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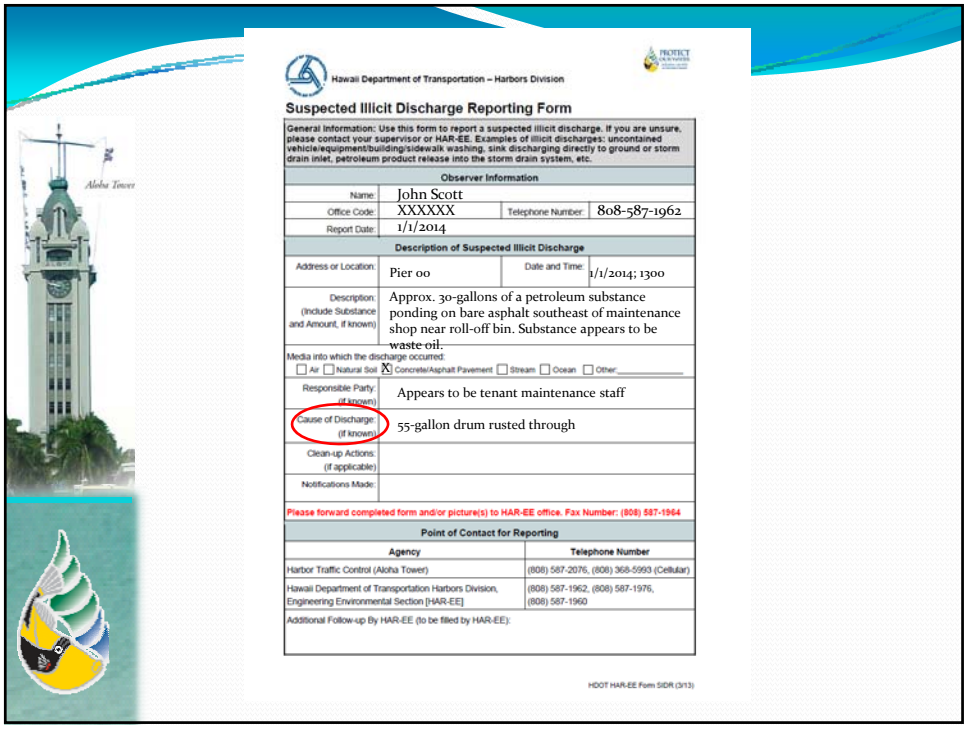

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Media into which the discharge occurred: ☐ Air ☐ Natural Soil ☒ Concrete/Asphalt Pavement ☐ Stream ☐ Ocean ☐ Other:_____			
Responsible Party: (if known)	Appears to be tenant maintenance staff		
Cause of Discharge: (if known)	55-gallon drum rusted through		
Clean-up Actions: (if applicable)			
Notifications Made:			

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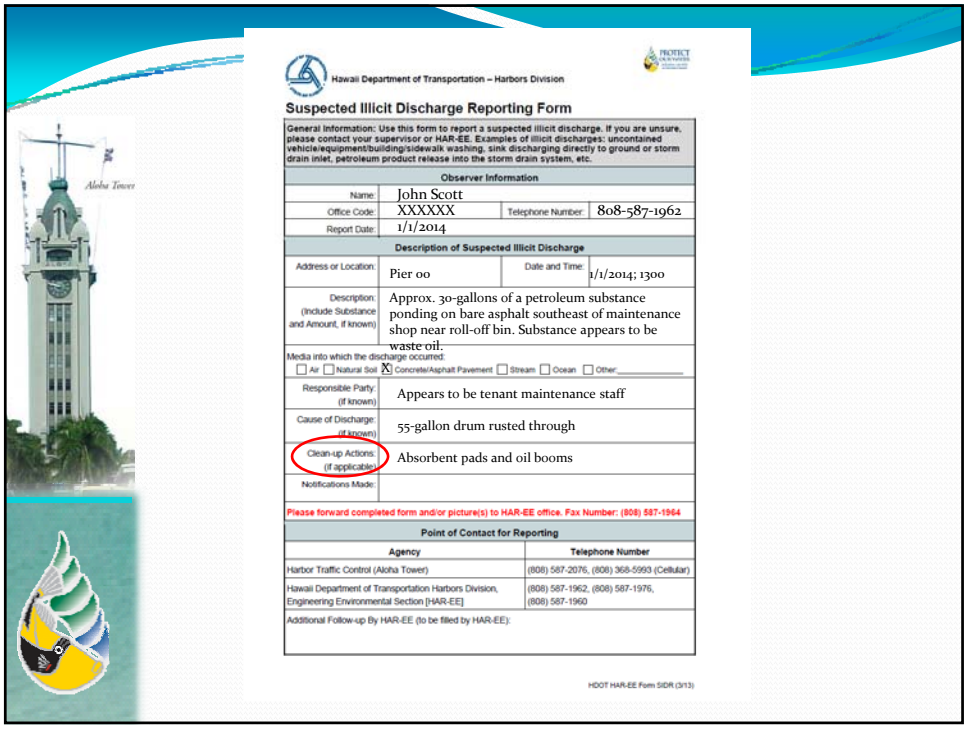

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Responsible Party: (if known)	Appears to be tenant maintenance staff		
Cause of Discharge: (if known)	55-gallon drum rusted through		
Clean-up Actions: (if applicable)	Absorbent pads and oil booms		
Notifications Made:			

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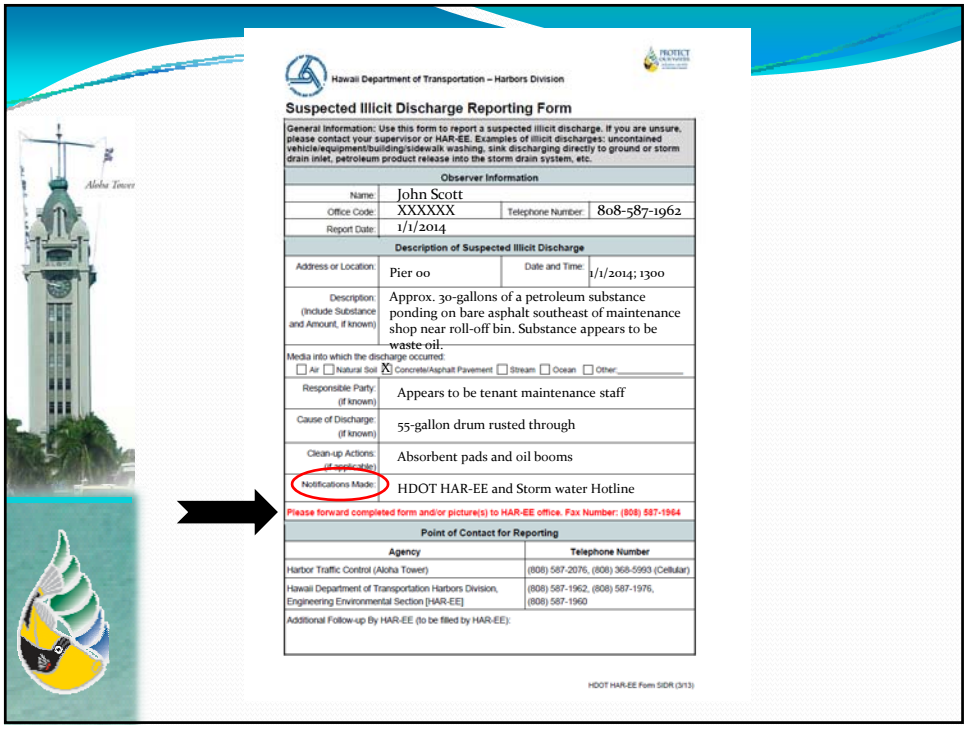

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Office Code:	XXXXXX	Telephone Number:	808-587-1962
Report Date:	1/1/2014		

Description of Suspected Illicit Discharge			
Address or Location:	Pier 00	Date and Time:	1/1/2014; 1300
Description: (Include Substance and Amount, if known)	Approx. 30-gallons of a petroleum substance ponding on bare asphalt southeast of maintenance shop near roll-off bin. Substance appears to be waste oil.		
Media into which the discharge occurred: ☐ Air ☐ Natural Soil ☒ Concrete/Asphalt Pavement ☐ Stream ☐ Ocean ☐ Other:_____			
Responsible Party: (if known)	Appears to be tenant maintenance staff		
Cause of Discharge: (if known)	55-gallon drum rusted through		
Clean-up Actions: (if applicable)	Absorbent pads and oil booms		
Notifications Made:	HDOT HAR-EE and Storm water Hotline		

Please forward completed form and/or picture(s) to HAR-EE office. Fax Number: (808) 587-1964

Point of Contact for Reporting	
Agency	Telephone Number
Harbor Traffic Control (Aloha Tower)	(808) 587-2076, (808) 368-5993 (Cellular)
Hawaii Department of Transportation Harbors Division, Engineering Environmental Section [HAR-EE]	(808) 587-1962, (808) 587-1976, (808) 587-1960
Additional Follow-up By HAR-EE (to be filled by HAR-EE):	

HDOT HAR-EE Form SIDR (3/13)

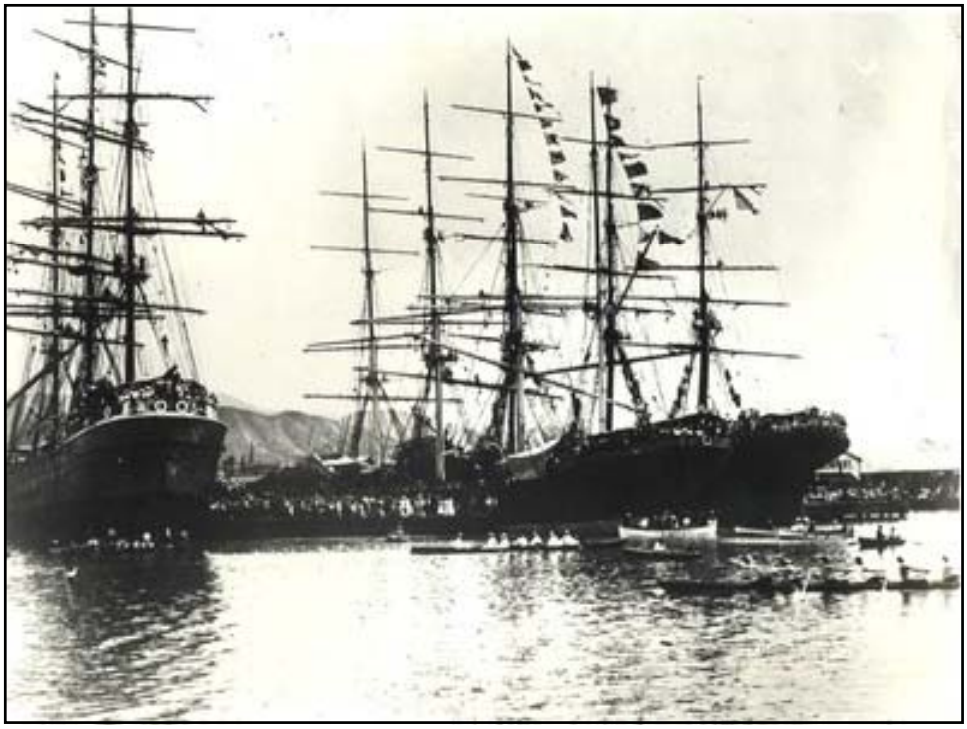
Storm Water Contacts

HARBORS CONTACTS – LAND BASED DISCHARGES

Harbors Environmental Section -	**(808) 587-1962**
	(808) 587-1976
	(808) 587-1960
	(808) 587-1963
Harbors Special Projects Section -	**(808) 586-2455**
Harbors Construction Section -	**(808) 587-1866**
Harbors Property Management Section -	**(808) 587-1944**

DISCHARGES ON THE WATER OR FROM VESSELS

Marine Traffic Control Unit -	**(808) 587-2076**




YOUNG

http://hidot.hawaii.gov/harbors/library/storm-water-management/

Attachment 9.b

IDDE Training Summary of Results and Completed Surveys

IDDE Training Roster

Survey	Name	Section	Unit	Q1	Q2	Q3	Q4	Q5	Q6	Total	Comment
1	Agpalsa,Ronald K	Operations Section	Oahu Harbor Enf Unit	1	1	1	1	1	1	6	
1	Bee,Bob M	Operations Section	Pier Utilization	1	1	1	1	1	1	6	
1	Castillo,Aaron			1	1	1	1	1	0	5	
1	Chu,Aaron K M	Operations Section	Oahu Harbor Enf Unit	1	1	1	1	1	1	6	
1	Dejesus,John S	Operations Section	Oahu Harbor Enf Unit	1	1	1	1	1	1	6	
1	Dupio,Sergio C	Operations Section	Oahu Harbor Enf Unit	1	1	1	1	1	1	6	
1	Felix,Michael Kevin	Maintenance Section	Wharf Maint Unit	1	1	1	1	1	1	6	
1	Galdeira,Guy			1	1	1	1	1	1	6	
1	Ganton,Joe	Operations Section	Oahu Harbor Enf Unit	1	1	1	1	1	1	6	
1	Gomes,Gregory K	Operations Section	Sanit & Grounds U	1	1	1	1	1	1	6	
1	Hanohano,Mark M	Operations Section		1	1	1	1	1	1	6	
1	Hashiro,Mark K	Operations Section	Pier Utilization	1	1	1	1	1	1	6	
1	Hirano,Elmer T	Maintenance Section	Gen Constr&Maint	1	1	1	1	1	1	6	
1	Hodgins, Bryson Kimo Kaili			1	1	1	1	1	1	6	
1	Isa,Richard Rodney	Operations Section	Oahu Harbor Enf Unit	1	1	1	1	1	1	6	
1	Jaena,Avery J L	Operations Section	Oahu Harbor Enf Unit	1	1	1	1	1	1	6	
1	Kapuniai,Ronald G	Maintenance Section		1	1	1	1	1	1	6	
1	Kono,Kerstin T	Operations Section	Oahu Harbor Enf Unit	1	1	1	1	1	1	6	
1	Lee,William G T	Operations Section	Pier Utilization	1	1	1	1	1	1	6	
1	Mclean,Robert A	Operations Section	Sanit & Grounds U	1	1	1	1	1	1	6	For easier identification all drains should be labeled with their number e.g. SDI 0520, SDI 8322, etc.
1	Medeiros,Thomas P	Operations Section	Oahu Harbor Enf Unit	1	1	1	1	1	1	6	
1	Miyasato,Neal H	Operations Section	Oahu Harbor Enf Unit	1	1	1	1	1	1	6	
1	Murakami,Alan Koji	Operations Section	Pier Utilization	1	1	1	1	1	1	6	
1	Nishimura,Chad C	Operations Section	Oahu Harbor Enf Unit	1	1	1	1	1	1	6	
1	Offutt,Todd			1	1	1	1	1	1	6	
1	Shimizu,Paul M	Operations Section		1	1	1	1	1	1	6	
1	Stevens,Anne V	Operations Section		1	1	1	1	1	1	6	
1	Todt,John W	Operations Section	Oahu Harbor Enf Unit	1	1	1	1	1	1	6	
1	Tsuzuki,Gary I	Operations Section	Oahu Harbor Enf Unit	1	1	1	1	1	1	6	Poster for office / large signs at entrance to Harbor Areas.
1	Williams,Logan J Iv	Operations Section	KalaeloaBarbersPt Ut	1	1	1	1	1	1	6	

IDDE Training Roster

Survey	Name	Section	Unit	Q1	Q2	Q3	Q4	Q5	Q6	Total	Comment
30	Total Account			30	30	30	30	30	29		
100.00%	Percentage			100.00%	100.00%	100.00%	100.00%	100.00%	96.67%		

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: _____ **Training Date:** _____
Please Print
Office Code: _____

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
   b) A non-stormwater discharge that poses a risk to the environment.
   c) Air conditioning condensate dripping onto the pavement.
   d) All of the above.

2. How do you play a valuable role in protecting our State's ecosystem?
   a) By preventing pollution in our storm water runoff.
   b) By ignoring illicit discharges.
   c) By dumping wastes down the storm drain.
   d) By not cleaning up spills.

3. What is the purpose of this annual training?
   a) To comply with environmental laws and the 2014 Consent Decree
   b) To minimize the discharge of pollutants from the Harbors and tenant facilities into Hawaii's waters.
   c) To utilize best management practices (BMPs) to reduce the impact from industrial activities.
   d) All of the above.

4. Which of the following are considered pollutants in the Harbors storm drain system?
   a) Oil and grease from vehicles and equipment.
   b) Sediment from construction sites.
   c) Wash water from vehicles, buildings and equipment.
   d) All of the above.

5. If the activity of Harbor tenant/user has the potential to pollute harbor waters, you should:
   a) Tell the party to stop the activity and fill out a Suspected Illicit Discharge Report Form.
   b) Ignore it.
   c) Notify your supervisor, Harbor Traffic Control or HAR-EE (Environmental Section).
   d) First A, and then C.

6. C.O.P. should remind you of what?
   a) NYPD.
   b) Harbor Police.
   c) DOT Environmental Policy: **C**ontinuously improve, **O**bey laws, **P**revent pollution.
   d) HPD.

Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: SGT. GARY TSUZUKI **Training Date:** 07-14-15
Please Print
Office Code: HEO (HARBOR POLICE)

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
   b) A non-stormwater discharge that poses a risk to the environment.
   c) Air conditioning condensate dripping onto the pavement.
   d) All of the above.

2. How do you play a valuable role in protecting our State's ecosystem?
   a) By preventing pollution in our storm water runoff.
   b) By ignoring illicit discharges.
   c) By dumping wastes down the storm drain.
   d) By not cleaning up spills.

3. What is the purpose of this annual training?
   a) To comply with environmental laws and the 2014 Consent Decree
   b) To minimize the discharge of pollutants from the Harbors and tenant facilities into Hawaii's waters.
   c) To utilize best management practices (BMPs) to reduce the impact from industrial activities.
   d) All of the above.

4. Which of the following are considered pollutants in the Harbors storm drain system?
   a) Oil and grease from vehicles and equipment.
   b) Sediment from construction sites.
   c) Wash water from vehicles, buildings and equipment.
   d) All of the above.

5. If the activity of Harbor tenant/user has the potential to pollute harbor waters, you should:
   a) Tell the party to stop the activity and fill out a Suspected Illicit Discharge Report Form.
   b) Ignore it.
   c) Notify your supervisor, Harbor Traffic Control or HAR-EE (Environmental Section).
   d) First A, and then C.

6. C.O.P. should remind you of what?
   a) NYPD.
   b) Harbor Police.
   c) DOT Environmental Policy: **C**ontinuously improve, **O**bey laws, **P**revent pollution.
   d) HPD.

Suggestions for future training: –

Suggestions for future signage: – Poster for office / Large signs at entrance to Harbor Areas.

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: OFC. SERGIO DUPIO **Training Date:** 7/14/15
Please Print
Office Code: HEO (HARBOR POLICE)

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
   b) A non-stormwater discharge that poses a risk to the environment.
   c) Air conditioning condensate dripping onto the pavement.
   d) All of the above.

2. How do you play a valuable role in protecting our State's ecosystem?
   a) By preventing pollution in our storm water runoff.
   b) By ignoring illicit discharges.
   c) By dumping wastes down the storm drain.
   d) By not cleaning up spills.

3. What is the purpose of this annual training?
   a) To comply with environmental laws and the 2014 Consent Decree
   b) To minimize the discharge of pollutants from the Harbors and tenant facilities into Hawaii's waters.
   c) To utilize best management practices (BMPs) to reduce the impact from industrial activities.
   d) All of the above.

4. Which of the following are considered pollutants in the Harbors storm drain system?
   a) Oil and grease from vehicles and equipment.
   b) Sediment from construction sites.
   c) Wash water from vehicles, buildings and equipment.
   d) All of the above.

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   a) Tell the party to stop the activity and fill out a Suspected Illicit Discharge Report Form.
   b) Ignore it.
   c) Notify your supervisor, Harbor Traffic Control or HAR-EE (Environmental Section).
   d) First A, and then C.

6. C.O.P. should remind you of what?
   a) NYPD.
   b) Harbor Police.
   c) DOT Environmental Policy: **C**ontinuously improve, **O**bey laws, **P**revent pollution.
   d) HPD.

Suggestions for future training:
CHEAT SHEET FOR ILLICIT DISCHARGE / LIKE LAW ENFORCEMENT BALL SCHEDULE

Suggestions for future signage:
DIFFERENT LANGUAGE FOR TENANTS / USER IN OTHER HARBOR

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: OFC. RICHARD ISA **Training Date:** 7-14-15
Please Print
Office Code: HEO (HARBOR POLICE)

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
   b) A non-stormwater discharge that poses a risk to the environment.
   c) Air conditioning condensate dripping onto the pavement.
   d) All of the above.

2. How do you play a valuable role in protecting our State's ecosystem?
   a) By preventing pollution in our storm water runoff.
   b) By ignoring illicit discharges.
   c) By dumping wastes down the storm drain.
   d) By not cleaning up spills.

3. What is the purpose of this annual training?
   a) To comply with environmental laws and the 2014 Consent Decree
   b) To minimize the discharge of pollutants from the Harbors and tenant facilities into Hawaii's waters.
   c) To utilize best management practices (BMPs) to reduce the impact from industrial activities.
   d) All of the above.

4. Which of the following are considered pollutants in the Harbors storm drain system?
   a) Oil and grease from vehicles and equipment.
   b) Sediment from construction sites.
   c) Wash water from vehicles, buildings and equipment.
   d) All of the above.

5. If the activity of Harbor tenant/user has the potential to pollute harbor waters, you should:
   a) Tell the party to stop the activity and fill out a Suspected Illicit Discharge Report Form.
   b) Ignore it.
   c) Notify your supervisor, Harbor Traffic Control or HAR-EE (Environmental Section).
   d) First A, and then C.

6. C.O.P. should remind you of what?
   a) NYPD.
   b) Harbor Police.
   c) DOT Environmental Policy: **C**ontinuously improve, **O**bey laws, **P**revent pollution.
   d) HPD.

Suggestions for future training:
PLEASE DON'T LOSE OUR TEST PAPERS.

Suggestions for future signage:
MORE SIGNS AT THE NEAREST ENTRANCE TO DOT AREAS.

Comments or questions:
PLEASE DON'T LOSE OUR TEST PAPERS AGAIN -

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: OFC. JOE GANTON **Training Date:** 7-15-15
Please Print
Office Code: HEO (HARBOR POLICE)

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
   b) A non-stormwater discharge that poses a risk to the environment.
   c) Air conditioning condensate dripping onto the pavement.
   d) All of the above.

2. How do you play a valuable role in protecting our State's ecosystem?
   a) By preventing pollution in our storm water runoff.
   b) By ignoring illicit discharges.
   c) By dumping wastes down the storm drain.
   d) By not cleaning up spills.

3. What is the purpose of this annual training?
   a) To comply with environmental laws and the 2014 Consent Decree
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   c) To utilize best management practices (BMPs) to reduce the impact from industrial activities.
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   a) Oil and grease from vehicles and equipment.
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   b) Ignore it.
   c) Notify your supervisor, Harbor Traffic Control or HAR-EE (Environmental Section).
   d) First A, and then C.

6. C.O.P. should remind you of what?
   a) NYPD.
   b) Harbor Police.
   c) DOT Environmental Policy: **C**ontinuously improve, **O**bey laws, **P**revent pollution.
   d) HPD.

Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: MARK M. "DUTCH" HANOHANO **Training Date:** 7/15/15
Please Print

Office Code: HAR-OE / FSO

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
   b) A non-stormwater discharge that poses a risk to the environment.
   c) Air conditioning condensate dripping onto the pavement.
   d) All of the above.

2. How do you play a valuable role in protecting our State's ecosystem?
   a) By preventing pollution in our storm water runoff.
   b) By ignoring illicit discharges.
   c) By dumping wastes down the storm drain.
   d) By not cleaning up spills.

3. What is the purpose of this annual training?
   a) To comply with environmental laws and the 2014 Consent Decree
   b) To minimize the discharge of pollutants from the Harbors and tenant facilities into Hawaii's waters.
   c) To utilize best management practices (BMPs) to reduce the impact from industrial activities.
   d) All of the above.

4. Which of the following are considered pollutants in the Harbors storm drain system?
   a) Oil and grease from vehicles and equipment.
   b) Sediment from construction sites.
   c) Wash water from vehicles, buildings and equipment.
   d) All of the above.

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   a) Tell the party to stop the activity and fill out a Suspected Illicit Discharge Report Form.
   b) Ignore it.
   c) Notify your supervisor, Harbor Traffic Control or HAR-EE (Environmental Section).
   d) First A, and then C.

6. C.O.P. should remind you of what?
   a) NYPD.
   b) Harbor Police.
   c) DOT Environmental Policy: **C**ontinuously improve, **O**bey laws, **P**revent pollution.
   d) HPD.

Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: SGT. NEAL MIYASATO **Training Date:** 07-15-15
Please Print
Office Code: HEO (HARBOR POLICE) HAR-OE

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
   b) A non-stormwater discharge that poses a risk to the environment.
   c) Air conditioning condensate dripping onto the pavement.
   d) All of the above.

2. How do you play a valuable role in protecting our State's ecosystem?
   a) By preventing pollution in our storm water runoff.
   b) By ignoring illicit discharges.
   c) By dumping wastes down the storm drain.
   d) By not cleaning up spills.

3. What is the purpose of this annual training?
   a) To comply with environmental laws and the 2014 Consent Decree
   b) To minimize the discharge of pollutants from the Harbors and tenant facilities into Hawaii's waters.
   c) To utilize best management practices (BMPs) to reduce the impact from industrial activities.
   d) All of the above.

4. Which of the following are considered pollutants in the Harbors storm drain system?
   a) Oil and grease from vehicles and equipment.
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   a) Tell the party to stop the activity and fill out a Suspected Illicit Discharge Report Form.
   b) Ignore it.
   c) Notify your supervisor, Harbor Traffic Control or HAR-EE (Environmental Section).
   d) First A, and then C.

6. C.O.P. should remind you of what?
   a) NYPD.
   b) Harbor Police.
   c) DOT Environmental Policy: **C**ontinuously improve, **O**bey laws, **P**revent pollution.
   d) HPD.

Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: OFC. KERSTIN KONO **Training Date:** 7-19-15
Please Print
Office Code: HEO (HARBOR POLICE)

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
   b) A non-stormwater discharge that poses a risk to the environment.
   c) Air conditioning condensate dripping onto the pavement.
   d) All of the above.

2. How do you play a valuable role in protecting our State's ecosystem?
   a) By preventing pollution in our storm water runoff.
   b) By ignoring illicit discharges.
   c) By dumping wastes down the storm drain.
   d) By not cleaning up spills.

3. What is the purpose of this annual training?
   a) To comply with environmental laws and the 2014 Consent Decree
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   c) To utilize best management practices (BMPs) to reduce the impact from industrial activities.
   d) All of the above.

4. Which of the following are considered pollutants in the Harbors storm drain system?
   a) Oil and grease from vehicles and equipment.
   b) Sediment from construction sites.
   c) Wash water from vehicles, buildings and equipment.
   d) All of the above.

5. If the activity of Harbor tenant/user has the potential to pollute harbor waters, you should:
   a) Tell the party to stop the activity and fill out a Suspected Illicit Discharge Report Form.
   b) Ignore it.
   c) Notify your supervisor, Harbor Traffic Control or HAR-EE (Environmental Section).
   d) First A, and then C.

6. C.O.P. should remind you of what?
   a) NYPD.
   b) Harbor Police.
   c) DOT Environmental Policy: **C**ontinuously improve, **O**bey laws, **P**revent pollution.
   d) HPD.

Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: OFC. JOHN DE JESUS **Training Date:** 07/19/15
Please Print
Office Code: HEO (HARBOR POLICE)

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
   b) A non-stormwater discharge that poses a risk to the environment.
   c) Air conditioning condensate dripping onto the pavement.
   d) All of the above.

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   b) Ignore it.
   c) Notify your supervisor, Harbor Traffic Control or HAR-EE (Environmental Section).
   d) First A, and then C.

6. C.O.P. should remind you of what?
   a) NYPD.
   b) Harbor Police.
   c) DOT Environmental Policy: **C**ontinuously improve, **O**bey laws, **P**revent pollution.
   d) HPD.

Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: OFC. RONALD AGPALSA **Training Date:** 07-16-15
Please Print
Office Code: HEO (HARBOR POLICE)

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
   (b) A non-stormwater discharge that poses a risk to the environment.
   c) Air conditioning condensate dripping onto the pavement.
   d) All of the above.

2. How do you play a valuable role in protecting our State's ecosystem?
   (a) By preventing pollution in our storm water runoff.
   b) By ignoring illicit discharges.
   c) By dumping wastes down the storm drain.
   d) By not cleaning up spills.

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   a) To comply with environmental laws and the 2014 Consent Decree
   b) To minimize the discharge of pollutants from the Harbors and tenant facilities into Hawaii's waters.
   c) To utilize best management practices (BMPs) to reduce the impact from industrial activities.
   (d) All of the above.

4. Which of the following are considered pollutants in the Harbors storm drain system?
   a) Oil and grease from vehicles and equipment.
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   a) Tell the party to stop the activity and fill out a Suspected Illicit Discharge Report Form.
   b) Ignore it.
   c) Notify your supervisor, Harbor Traffic Control or HAR-EE (Environmental Section).
   (d) First A, and then C.

6. C.O.P. should remind you of what?
   a) NYPD.
   b) Harbor Police.
   (c) DOT Environmental Policy: **C**ontinuously improve, **O**bey laws, **P**revent pollution.
   d) HPD.

Suggestions for future training:
N/A NONE

Suggestions for future signage:
N/A NONE

Comments or questions:
NONE

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: OFC. AARON CHU **Training Date:** 15 July 15
Please Print
Office Code: HEO (HARBOR POLICE)

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
   (b) A non-stormwater discharge that poses a risk to the environment.
   c) Air conditioning condensate dripping onto the pavement.
   d) All of the above.

2. How do you play a valuable role in protecting our State's ecosystem?
   (a) By preventing pollution in our storm water runoff.
   b) By ignoring illicit discharges.
   c) By dumping wastes down the storm drain.
   d) By not cleaning up spills.

3. What is the purpose of this annual training?
   a) To comply with environmental laws and the 2014 Consent Decree
   b) To minimize the discharge of pollutants from the Harbors and tenant facilities into Hawaii's waters.
   c) To utilize best management practices (BMPs) to reduce the impact from industrial activities.
   (d) All of the above.

4. Which of the following are considered pollutants in the Harbors storm drain system?
   a) Oil and grease from vehicles and equipment.
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   c) Wash water from vehicles, buildings and equipment.
   (d) All of the above.

5. If the activity of Harbor tenant/user has the potential to pollute harbor waters, you should:
   a) Tell the party to stop the activity and fill out a Suspected Illicit Discharge Report Form.
   b) Ignore it.
   c) Notify your supervisor, Harbor Traffic Control or HAR-EE (Environmental Section).
   (d) First A, and then C.

6. C.O.P. should remind you of what?
   a) NYPD.
   b) Harbor Police.
   (c) DOT Environmental Policy: **C**ontinuously improve, **O**bey laws, **P**revent pollution.
   d) HPD.

Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: Lt. Thomas P. MEDEIROS **Training Date:** July 8,2015
Please Print
Office Code: HEO (HARBOR POLICE)

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
   b) A non-stormwater discharge that poses a risk to the environment.
   c) Air conditioning condensate dripping onto the pavement.
   d) All of the above.

2. How do you play a valuable role in protecting our State's ecosystem?
   a) By preventing pollution in our storm water runoff.
   b) By ignoring illicit discharges.
   c) By dumping wastes down the storm drain.
   d) By not cleaning up spills.

3. What is the purpose of this annual training?
   a) To comply with environmental laws and the 2014 Consent Decree
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   c) To utilize best management practices (BMPs) to reduce the impact from industrial activities.
   d) All of the above.

4. Which of the following are considered pollutants in the Harbors storm drain system?
   a) Oil and grease from vehicles and equipment.
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   c) Wash water from vehicles, buildings and equipment.
   d) All of the above.

5. If the activity of Harbor tenant/user has the potential to pollute harbor waters, you should:
   a) Tell the party to stop the activity and fill out a Suspected Illicit Discharge Report Form.
   b) Ignore it.
   c) Notify your supervisor, Harbor Traffic Control or HAR-EE (Environmental Section).
   d) First A, and then C.

6. C.O.P. should remind you of what?
   a) NYPD.
   b) Harbor Police.
   c) DOT Environmental Policy: **C**ontinuously improve, **O**bey laws, **P**revent pollution.
   d) HPD.

Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: SGT. JOHN TODT **Training Date:** July 8,2015
Please Print
Office Code: HEO (HARBOR POLICE)

1. What is an illicit discharge?
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Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: OFC. AVERY JAENA **Training Date:** July 8,2015
Please Print
Office Code: HEO (HARBOR POLICE)

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
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Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: OFC. CHAD NISHIMURA **Training Date:** July 8,2015
Please Print
Office Code: HEO (HARBOR POLICE)

1. What is an illicit discharge?
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Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: Bob Mitchum Bee **Training Date:** 9/9/15
Please Print

Office Code: Har-OCM

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
   (b) A non-stormwater discharge that poses a risk to the environment.
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SEP -9 P4:13

Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: Aaron Castillo **Training Date:** 9/9/15
Please Print

Office Code: HAR-OCM

1. What is an illicit discharge?
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   d) HPD.

Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: Bryson Kiiro Kaili Hodgins **Training Date:** 9/9/15
Please Print

Office Code: HAR-OCM

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
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Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: WILLIAM G T LEE **Training Date:** SEPT 9, 2015
Please Print
Office Code: HAROCM

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
   (b) A non-stormwater discharge that poses a risk to the environment.
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   d) All of the above.

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Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: Guy GALDEIRA **Training Date:** 9/9/15
Please Print

Office Code: OCS-4

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
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Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: MARK HASHIRO **Training Date:** 9/9/15
Please Print
Office Code: _____

1. What is an illicit discharge?
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Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: Robert McLean **Training Date:** 9/10/15
Please Print
Office Code: OCG

1. What is an illicit discharge?
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Suggestions for future training:

Suggestions for future signage:

Comments or questions:
For easier identification all drains should be labled w/their number e.g. SDI 0520, SDI 8322, etc.

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: GREGORY K. GOMES **Training Date:** 9/10/2015
Please Print
Office Code: HAR/OCG

1. What is an illicit discharge?
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Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: Michael K. Felix **Training Date:** 9-15-15
Please Print
Office Code: HAR-OM

1. What is an illicit discharge?
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Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: Elmer Hirano **Training Date:** 9-15-15
Please Print
Office Code: HAR-OM

1. What is an illicit discharge?
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Suggestions for future training:

Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: RONALD G. KAPUHIA1 **Training Date:** 9/18/15
Please Print
Office Code: HAR-OM

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
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Suggestions for future signage:

Comments or questions:

ILLICIT DISCHARGE DETECTION TRAINING 2015

Instructions: Please complete this survey and submit it to Harbors Environmental Section.

Full Name: LOGAN WILLIAMS **Training Date:** 9-15-15
Please Print
Office Code: HAR-OCB

1. What is an illicit discharge?
   a) Using a hose to water plants with potable water.
   (b) A non-stormwater discharge that poses a risk to the environment.
   c) Air conditioning condensate dripping onto the pavement.
   d) All of the above.

2. How do you play a valuable role in protecting our State's ecosystem?
   (a) By preventing pollution in our storm water runoff.
   b) By ignoring illicit discharges.
   c) By dumping wastes down the storm drain.
   d) By not cleaning up spills.

3. What is the purpose of this annual training?
   a) To comply with environmental laws and the 2014 Consent Decree
   b) To minimize the discharge of pollutants from the Harbors and tenant facilities into Hawaii's waters.
   c) To utilize best management practices (BMPs) to reduce the impact from industrial activities.
   (d) All of the above.

4. Which of the following are considered pollutants in the Harbors storm drain system?
   a) Oil and grease from vehicles and equipment.
   b) Sediment from construction sites.
   c) Wash water from vehicles, buildings and equipment.
   (d) All of the above.

5. If the activity of Harbor tenant/user has the potential to pollute harbor waters, you should:
   a) Tell the party to stop the activity and fill out a Suspected Illicit Discharge Report Form.
   b) Ignore it.
   c) Notify your supervisor, Harbor Traffic Control or HAR-EE (Environmental Section).
   (d) First A, and then C.

6. C.O.P. should remind you of what?
   a) NYPD.
   b) Harbor Police.
   (c) DOT Environmental Policy: Continuously improve, Obey laws, Prevent pollution.
   d) HPD.

Suggestions for future training:

Suggestions for future signage:

Comments or questions:

Attachment 10.a

Tenant Inspection Manual (TIM) Presentation Slides

Harbors Tenant Inspection Manual

By HAR-EE
HDOT Harbors Division

October 5, 2015

1

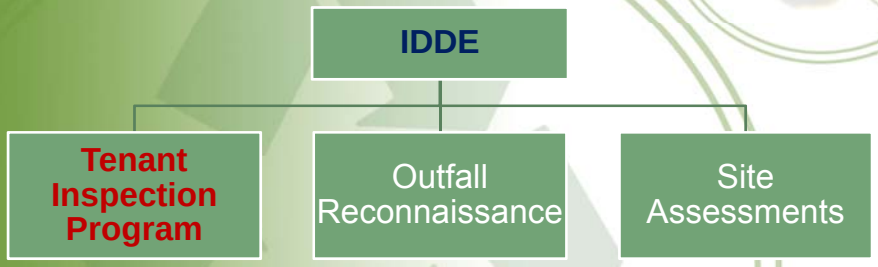
Outline

- HDOT Harbors SWMP
- Organization Chart
- Tenant Requirements and Types of Inspection
- Inspection Forms and Procedures
- Enforcement
- Others
- Q&A

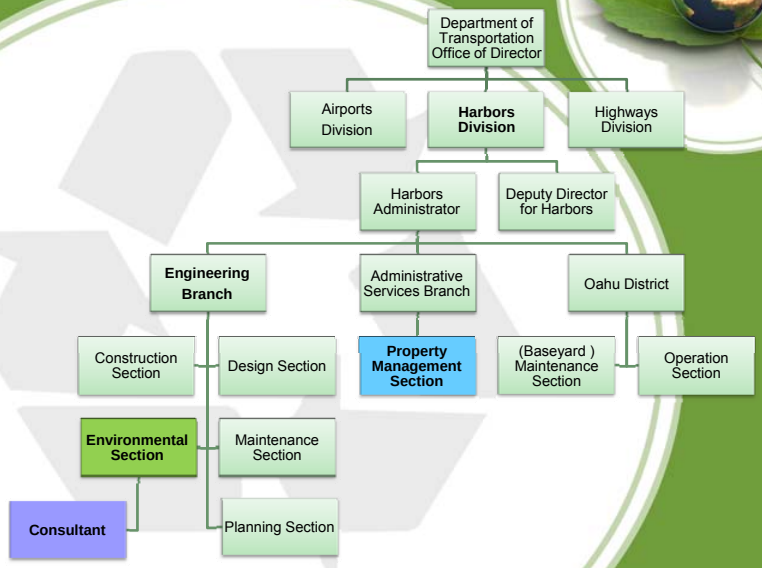
HDOT Harbors SWMP

- Public Education and Outreach
- Public Involvement/Participation
- **Illicit Discharge Detection and Elimination**
- Construction Site Runoff Control
- Post-Construction Storm Water Management in New Development and Redevelopment
- **Pollution Prevention/Good Housekeeping**

IDDE Structure Chart (1.0)



Group Organization Chart



Tenant Requirements (1.3)

- All Harbors tenant lease agreements and RP include language stating that the tenant is responsible for compliance with all environmental laws and regulations.
- Regulated hazardous substances and marine pollutants are not allowed to be used, treated, stored, or disposed, unless they are incidental to normal operations of their business.
- Tenants desiring to develop improvement projects on Harbors property must obtain approval from Harbors prior to initiation of the project.

Inspection Types (2.2)

- **Initial** Site Inspection or New Tenant Inspection (within three months of occupancy; 2.2.1)
- **Routine** Inspection (2.2.2)
  - High: Semiannual
  - Medium: Annual
  - Low: Every five years + annual reconnaissance (2.2.3)
- **Final** Inspection (2.2.4)
- **Investigation** Inspection (2.2.5)
- **Follow-Up** Inspection (2.2.6)

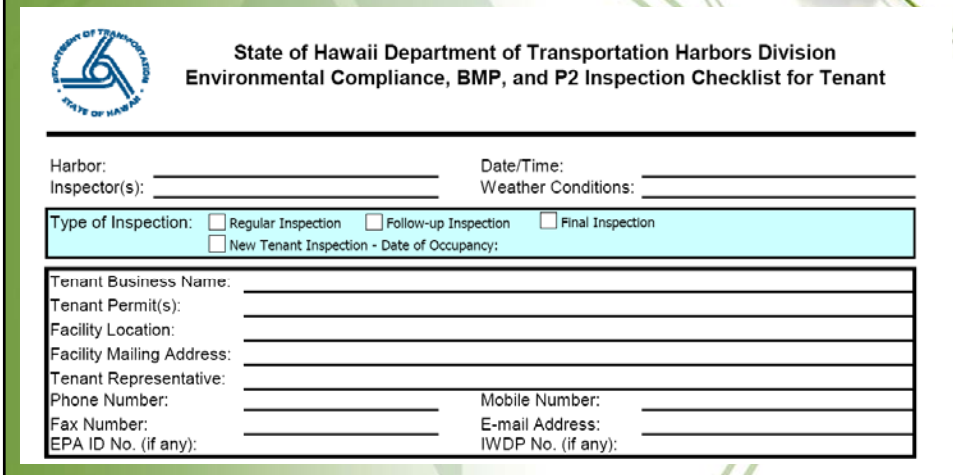
Tenant Inspection Basics (4.1)

- Schedule at least one week in advance.
- Allowable non-SW discharges (4.2)
- Risk Ranking Criteria (4.3)
  - Low (≤ 5)
  - Medium (6 to 16)
  - High (>16 or 5 in certain individual criteria)
- Re-Evaluation

Inspection Forms

- High and Medium ranked Tenants
  - Facility Information (One Page)
  - Inspection Checklist (Two Pages)
  - Tenant Risk Ranking Criteria (Three Pages)
- Low ranked Tenants

Inspection Forms (cont.)



State of Hawaii Department of Transportation Harbors Division
Environmental Compliance, BMP, and P2 Inspection Checklist for Tenant

Harbor: _____ Date/Time: _____
Inspector(s): _____ Weather Conditions: _____

Type of Inspection: ☐ Regular Inspection ☐ Follow-up Inspection ☐ Final Inspection
☐ New Tenant Inspection - Date of Occupancy:

Tenant Business Name: _____
Tenant Permit(s): _____
Facility Location: _____
Facility Mailing Address: _____
Tenant Representative: _____
Phone Number: _____ Mobile Number: _____
Fax Number: _____ E-mail Address: _____
EPA ID No. (if any): _____ IWDP No. (if any): _____

Inspection Forms (cont.)

No.	Inspection Item	Yes	No	N/A	Remarks
	Storage				
1	**SPCC Compliance**: Facility with an aggregate shell capacity of 1,320 gallons or more of petroleum products.				
2	**AST Containment**: ASTs are situated over an impervious surface, have adequate secondary containment and integrity protection, and containment drain valves are kept locked.				
3	**AST Overflow Protection**: Bulk product ASTs are equipped with overflow protection alarms or automatic shutdown pumps.				
4	**AST Malfunction**: Visible piping, tanks, and hoses in good condition (e.g., no exhibit signs of leakage, wear, or malfunction).				
5	**Oily Equipment**: Oily or leaking equipment is stored under cover or with drip pans. Drip pans are emptied or replaced as needed.				
6	**Storm Water Management**: Storm water accumulation in secondary containment is minimized, managed, disposed correctly, and logged.				
7	**Salvaged Equipment/Vehicle**: Fluids and batteries are removed from salvaged equipment/vehicle before storage.				
8	**Outdoor Material Storage**: Outdoor storage areas have coverings that prevent contact of these items with storm water. Materials are kept above the ground higher than the level of runoff.				
9	**Labeling**: Containers are properly labeled.				
10	**Compatibility**: Containers are stored in an organized manner, compatible with other stored materials, labeled correctly, and not stored past allowable holding times.				

Inspection Forms (cont.)

	General Observed BMPs						
40	General Housekeeping	☐ Excellent	☐ Good	☐ Average	☐ Fair	☐ Poor or Unacceptable	
41	Recordkeeping	☐ Excellent	☐ Good	☐ Average	☐ Fair	☐ Poor or Unacceptable	☐ Not Applicable
42	All personnel are well-trained	☐ Excellent	☐ Good	☐ Average	☐ Fair	☐ Poor or Unacceptable	
43	Need follow-up inspection	☐ Yes	☐ No				

Inspection Forms (cont.)

		Tenant Risk Ranking Criteria	Score
1	**Vessel Maintenance and Repair**		
	0	Neither maintenance nor repair activities are conducted on-site.	
	1	Maintenance and repair activities on any size vessel are conducted entirely indoors (with proper dust control BMPs), with no or minimal potential for discharge of pollutants.	
	2	Minor maintenance and repair (30 day or less duration) for small vessels is conducted in their berth (with proper dust control BMPs) with minimal potential for discharge of pollutants.	
	3	Maintenance and repair activities on large vessels are conducted outdoors and out of the water (with proper dust control BMPs), with minimal potential for discharge of pollutants.	
	4	Major maintenance and repair activities on any size vessel are conducted in a partially confined or unconfined area with moderate potential for discharge of pollutants.	
	5	Maintenance and repair activities on any size vessel are conducted in an unconfined area or in an area with significant potential for discharge of pollutants. (**Automatic trigger to high risk designation**)	
2	**Vessel Fueling**		
	0	No fuel transfer activities are conducted on-site.	
	1	Fueling of small vessel is conducted by a fueling company with proper spill containment and diversion.	
	2	Fueling of small vessel is conducted with spill containment and diversion.	
	3	Fueling of large vessel is conducted in designated area with spill containment and diversion.	
	4	Fueling of small vessel is conducted in areas WITHOUT spill containment and diversion.	
	5	Fueling of large vessels is conducted in areas WITHOUT spill containment or diversion. (**Automatic trigger to high risk designation**)	

Inspection Forms (cont.)

		housekeeping is in fair condition.	
	5	Activities are conducted outdoors and pose a significant threat to the environment. (***Automatic trigger to high risk designation***)	
14	**Lease Agreement and/or Revocable Permit Requirements**		
	0	Tenant appears to be in compliance with environmental requirements in their tenant lease or revocable permit.	
	5	Tenant is not in compliance with their revocable permit or lease. (**Automatic trigger to high risk designation**)	

Total Risk Ranking Score: 0
Tenant Risk Ranking Category: _____

Inspection Procedures (Attachment 10)

- Pre-inspection Preparation
- Entry
- Tenant Conference
- Inspection
- Documentation and Recordkeeping

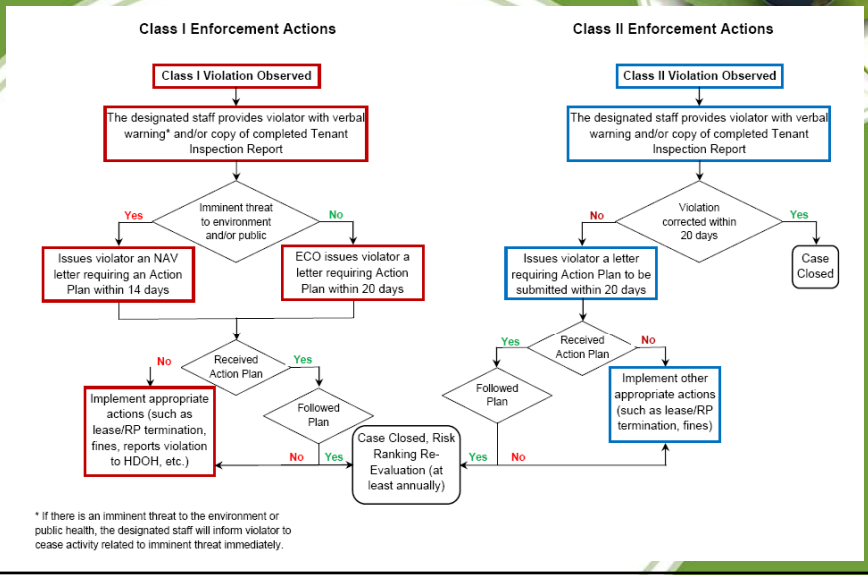
Typical Operations (Attachment 10)

- Vessel/Vehicle/Equipment Maintenance and Repair
- Vessel/Vehicle/Equipment Fueling
- Vessel/Vehicle/Equipment Washing
- Container Storage
- Material Storage and Handling
- Waste Handling and Disposal
- Pier, Building, and Ground Maintenance

Enforcement (5.0)

- Authority
  - HRS Title 15 Chapter 266
  - HAR Title 19 Chapters 41 to 44
- Violations – Class I and II Violations
- Enforcement Actions
  - Oral/Verbal Warning (5.2.1)
  - Written Warning (5.2.2)
  - Notice of Apparent Violation (5.2.3)
  - Issuance of Summon and Citation (5.2.4)
  - Notice and Finding of Violation Order (5.2.5)
- Description of Enforcement Steps (5.3)

Enforcement Action Flow Chart



Examples of Illicit Discharge

Examples of Illicit Discharge cont.

Examples of Illicit Discharge cont.

Examples of Illicit Discharge cont.

Examples of Illicit Discharge cont.

Examples of Illicit Discharge cont.

Examples of Illicit Discharge cont.

Examples of Illicit Discharge cont.

Others (in Attachments)

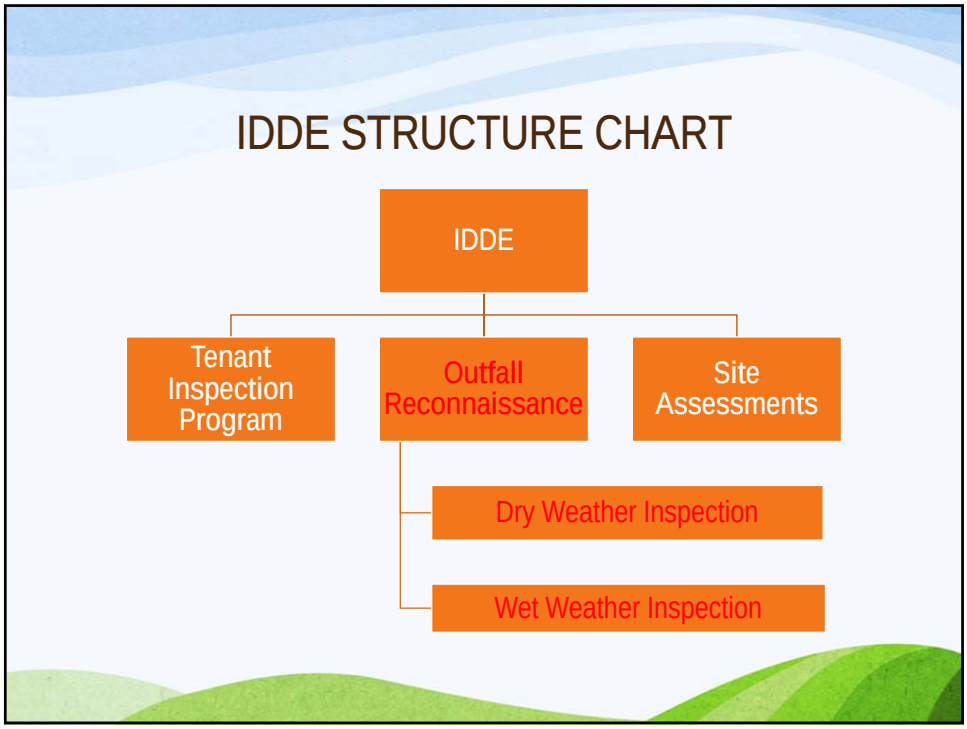
- BMPs developed by Harbors HAR-EE (**3**)
- SW Hotline Occurrence Tracking Form (to be used by HAR-EE; **5**)
- Suspected Illicit Discharge Reporting Form (**7**)
- List of Major Env Laws and Regulations (**9**)
- New Tenant Information Package (**11**)
- VGP (**12**)

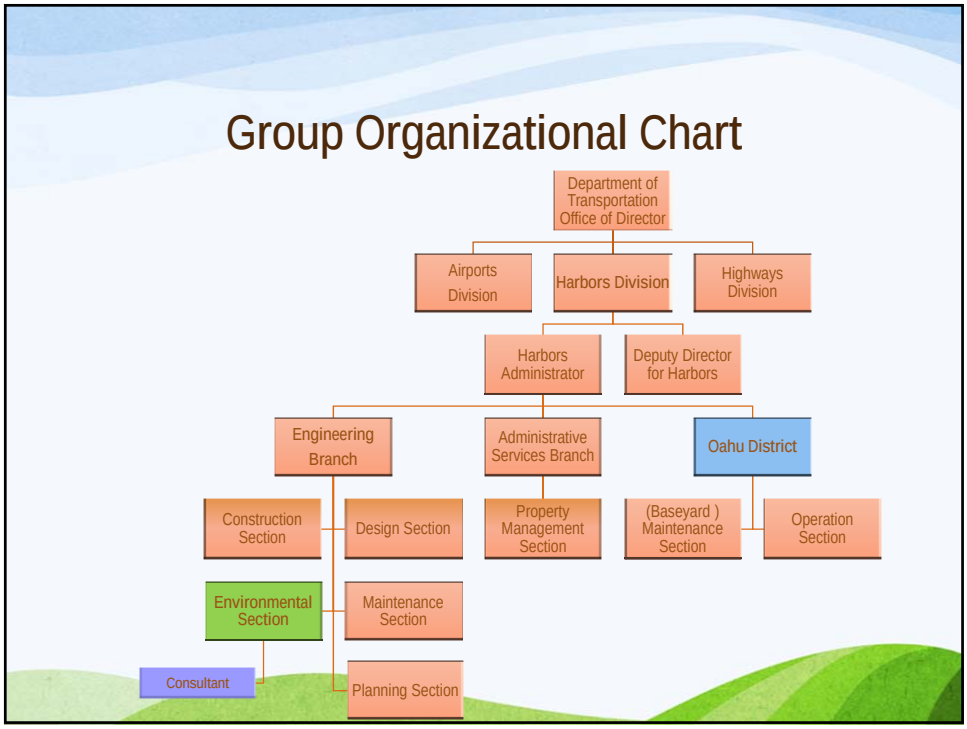
Attachment 10.b

Outfall Reconnaissance Inventory (ORI) Inspector Training Presentation Slides

OUTLINE

- Introduction and Purpose
- Outfall Inventory
- Outfall Inspection and Documentation
- Enforcement
- Training and HASP


IDDE STRUCTURE CHART
IDDE
Tenant Inspection Program
Outfall Reconnaissance
Site Assessments
Dry Weather Inspection
Wet Weather Inspection


Group Organizational Chart
Department of Transportation Office of Director
Airports Division
Harbors Division
Highways Division
Harbors Administrator
Deputy Director for Harbors
Engineering Branch
Administrative Services Branch
Oahu District
Construction Section
Design Section
Property Management Section
(Baseyard) Maintenance Section
Operation Section
Environmental Section
Maintenance Section
Consultant
Planning Section

PURPOSE OF ORII

- Establishing a framework for dry/wet weather inspections.
- Documenting basic physical characteristics of each outfall.
- Source tracking and elimination of potential illicit charges.

OUTFALL INVENTORY

- Map (please use the one provided by USACE)
- Approximately 119 outfalls at Honolulu Harbor and 39 outfalls at Kalaeloa Barbers Point Harbor.
- Recorded in Geo-database format.
- Updated annually.

OUTFALL INSPECTION?

OUTFALL INSPECTION?

OUTFALL INSPECTION?

OUTFALL INSPECTION?

OUTFALL INSPECTION - PREPARATION

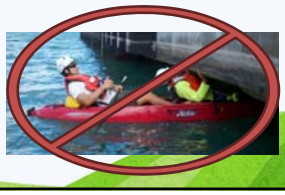
- Prepare SSHSP
  - SAFETY FIRST, ALWAYS FIRST
  - Maintain communication at all times
- TWIC or CAC
- Scheduling and Notifications (District Office, and HTC if in water; avoid fueling operation areas)
- Preparing Field Equipment (Appendix A) and PPE (Appendix D)
- Field Logistics - Appoint Site Manager, Pre-notification, Mobilization
- Site Manager's Primary Responsibilities

OUTFALL INSPECTION - DRY WEATHER (3.3)

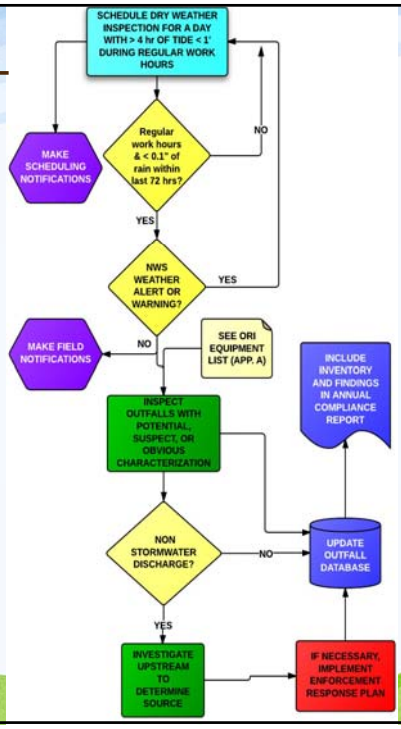
- Criterion: < 0.1 inches of precipitation during a 72-hour period preceding an inspection
- Conduct annually on outfalls with "potential", "suspect", or "obvious" determined by the previous year's inspection findings. Otherwise, biennially.
- Consists of Kayak- and onshore- based inspections
- Observation 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.



FLOW CHART – DRY WEATHER (3.3)



EXAMPLE OF COMMUNICATION WITH HTC

ORIIP Personnel: “Aloha Tower, this is Harbors Engineering.”

HTC: “Harbors Engineering, this is Aloha Tower.”

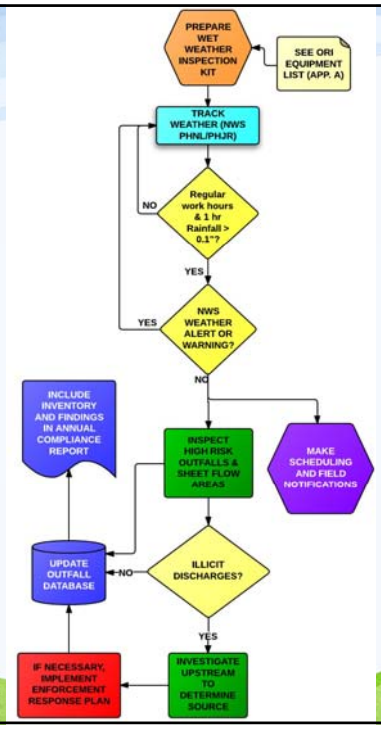
ORIIP Personnel: “Aloha Tower, Harbors Engineering would like to request to move from *Pier 10* to *Pier 24*.”

HTC: “Okay, Harbors Engineering, proceed to *Pier 24*.” (Note that their response varies depending on existing traffic situation at Honolulu Harbor.)

OUTFALL INSPECTION – WET WEATHER (3.4)

- 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

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: _____		
Latitutde:	Longitude:	GPS Unit:	GPS Landmark:
Camera:		Photo #s:	
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☐ Commercial Other: _____		Known Industries: _____	

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Eliptical ☐ 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 #2	Flow depth		In	
	Flow width	0' "	Ft, In	
	Measured length	0' "	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)?

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)


Q&A

Attachment 10.c

TIM and ORI Inspector Training Results

HDOT Harbors Division Tenant Inspection Training Sign-In Sheet

- October 5, 2015

No.	Name	Company	E-mail Address	Phone #	Initials
1	Michele Freitas	HARBORS-EE	michele.gn freitas@hawaii.gov	587-1976	MF
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					

"Malama i ke kai" Protect our harbor waters

2015 HDOT Harbors Inspector Quiz

Name: Michele Freitas **Date:** Oct 5 2015

Tenant Inspection Manual (TIM)

1. True or False. Tenant inspections are only required for 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 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 noted from 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 are tenants who are risk ranked high 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 and develop an inspection plan.
   b. Hold a tenant conference.
   c. Walk around and observe the site.
   d. Complete the inspection form.

8. True or False: Use the SHOT (Stormwater Hotline Occurrence Tracking) form when conducting an inspection as a result of a complaint or an illicit discharge.
   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 in regards to 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.

2014 HDOT Harbors Inspector Quiz

Name: Chelsea Iannaccio **Date:** 10/05/15

Tenant Inspection Manual (TIM)

1. True or False. Tenant inspections are only required for 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 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 noted from 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 are tenants who are risk ranked high inspected?
   a. Annually.
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   (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 and develop an inspection plan.
   b. Hold a tenant conference.
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   d. Complete the inspection form.

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    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.

Outfall Reconnaissance Inventory (ORI)

1. What is the purpose of conducting an ORI?
   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 such as condensate and fire fighting water.
   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 an outfall too hazardous to personnel for water side inspection?
   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: 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.

6. 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.

7. What steps are required when an 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 line up stream.
   c. A & B.
   d. None of the above.

8. 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.

9. True or False: A wet weather ORI requires that outfalls be inspected from the water.
   a. True.
   b. False.

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.

2014 HDOT Harbors Inspector Quiz

Name: Eva Kakone **Date:** 10/16/2015

Tenant Inspection Manual (TIM)

1. True or False. Tenant inspections are only required for 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 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 noted from 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 are tenants who are risk ranked high 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 and develop an inspection plan.
   b. Hold a tenant conference.
   c. Walk around and observe the site.
   d. Complete the inspection form.

8. True or False: Use the SHOT (Stormwater Hotline Occurrence Tracking) form when conducting an inspection as a result of a complaint or an illicit discharge.
   (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 in regards to 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.

Outfall Reconnaissance Inventory (ORI)

1. What is the purpose of conducting an ORI?
   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 such as condensate and fire fighting water.
   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 an outfall too hazardous to personnel for water side inspection?
   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: 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.

6. 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.

7. What steps are required when an 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 line up stream.
   c. A & B.
   d. None of the above.

8. 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.

9. True or False: A wet weather ORI requires that outfalls be inspected from the water.
   a. True.
   b. False.

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 11

Tenant Inventory, Risk Rank and Inspection Summary

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
Aala Produce, Inc.	Aala Ship Service	H-98-2		Honolulu		Mr. Rodney Tamamoto Aala Produce, Inc. 869 North Nimitz Highway Honolulu, HI 96817-4517	Mr. Rodney Tamamoto	(808) 522-0550, (808) 478-8732	Low	Reconnaissance	9/2/2015
AES Kalaeloa Venture, LLC		H-89-14		Kalaeloa	0289-01-N (No NPDES Permit)	Mr. Kevin Hanashiro AES Kalaeloa Venture, LLC 91-086 Kaomi Loop Kapolei, HI 96707	Kevin Hanashiro	(808) 682-3403, (808) 343-3903; (808) 753-4245	Medium	Regular	10/30/2015
Aircraft Service International Group / Hawaii Fueling Facilities Corporation	ASIG/HFFC		H-81-953	Honolulu		Mr. Glenn Jinbo ASIG/HFFC 3201 Aolele Street Honolulu, HI 96819	Mr. Glenn Jinbo	(808) 833-3291 x29	Low	Reconnaissance	11/3/2015
Aloha Agricultural Consultants, Inc.	Niu Nursery		H-00-2233; H-97-1985	Honolulu		Mr. Sidney Goo Niu Nursery P.O. Box 17220 Honolulu, HI 96817-5846	Mr. Sidney Goo	(808) 845-5991, (808) 225-3507	Low	Reconnaissance	9/2/2015
Aloha Container Sales & Rental, Inc.	ACSR		H-02-2344	Honolulu		Mr. Richard D. Preston II Aloha Container Sales & Rental, Inc. P.O. Box 30936 Honolulu, HI 96820	Mr. Richard D. Preston II	(808) 843-8600, (808) 306-3748	Low	Reconnaissance	9/2/2015
Aloha Marine Lines	Aloha Cargo Transport, Inc.; ACT		H-12-2721	Honolulu		Mr. Jonathan Satre Aloha Marine Lines 677 Ala Moana Blvd., Suite 917 Honolulu, HI 96813	Jonathan Satre	(206) 436-9687, (808) 748-7890;	Low	Reconnaissance	9/2/2015
Aloha Tower Marketplace	AHI Aloha Associates, LLC; PM Realty Group, Aloha Tower Development Corporation (ATDC)			Honolulu		Property Management Office Aloha Tower Marketplace 1 Aloha Tower Drive, Suite 3000 Honolulu, HI 96813	Ms. Marlene Daley	(808) 544-1400; (808) 544-1454; (808) 544-1453	Low	Reconnaissance	12/9/2015

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
Amazon Construction Company, Inc.			DOT-96-136 (vacate); H-98-2104	Honolulu		Mr. Duston Onaga Amazon Construction Company, Inc. 96-1255 Waihona Street Pearl City, HI 96782	Mr. Duston Onaga	(808) 841-6595, (808) 864-9401	Low	Regular	10/13/2015
American Guard Services, Inc.			H-07-2602 (Piers 10 and 11; Honolulu); H-09-2657 (Pier 2, Honolulu)	Honolulu		Mr. Thomas Szymanski American Guard Services, Inc. 197 Sand Island Road., Suite 202-2 Honolulu, HI 96819	Mr. Thomas Szymanski	(808) 537-3201, (808) 609-5709	Low	Reconnaissance	12/9/2015
American Marine Corporation	American Workboats; (formerly DD-M Leasing Company, Inc.)		H-01-2277; H-01-2256; H-86-1384; H-86-1386	Honolulu		Mr. DC Carter American Marine Corporation 65 North Nimitz Highway, Pier 14 Honolulu, HI 96817	Mr. DC Carter	(808) 792-1181, (808) 479-3905; (808) 545-5190, (808) 479-5195, (808) 792-1183 (Direct line)	Medium	Regular	10/23/2015
Ameron International Corporation	Ameron Hawaii	H-09-48 (Pier 60, KIPA)	H-87-1453; H-14-2753 (replaced H-97-1978; Pier 60); H-14-2754 (Pier 60)	Honolulu	HI0021075 (Sand Island), HIR10C759 (Pier 60, Construction)	Ms. Linda Goldstein Ameron International Corporation P.O. Box 29968 Honolulu, HI 96820-2368	Ms. Linda Goldstein	(808) 266-2672; (808) 266-2640	Medium	Regular	10/7/2015
Asphalt Hawaii	GLP Asphalt, LLC	H-09-45		Kalaeloa	HIR70D366	Mr. Edward Au Asphalt Hawaii P.O. Box 78 Honolulu, Hawaii 96810	Mr. Edward Au	(808) 682-2490; (808) 479-5670; (808) 864-7000	Medium	Regular	11/9/2015

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
Atlantis Submarines Hawaii, LLC	Atlantis Cruises and Atlantis Submarines		H-05-2505 (Adjacent to Pier 41 at Honolulu); H-05-2516 (Bldg 910); H-06-2537;	Honolulu	Conditional "No Exposure" Exclusion File No. HI 14BE600 (expiring on 3/9/2020)	Mr. John Chapman Oahu Maintenance Atlantis Submarines Hawaii, LLC 1600 Kapiolani Boulevard, Suite 1630 Honolulu, Hawaii 96814	John Chapman	(808) 832-6603, (808) 754-8130; (808) 832-6604, (808) 754-8129	Medium	New; Final	6/24/2015; 10/2/2015
BEI Hawaii			H-80-890 (former RP No.)	Honolulu		Mr. Jonathan Sullivan BEI Hawaii 311 Pacific Street Honolulu, HI 96813	Mr. Jonathan Sullivan, Mr. Chad Dias(no longer there); Fred Kubota	(808) 532-7484, (808) 864-2615; (808) 532-7448	Medium	Regular	10/6/2015
Clean Islands Council			H-89-1610 (Pier 1, Kahului); H-90-1689 (Pier 34, Honolulu); H-93-1815 (Pier 35, Honolulu); H-94-1842 (KBPH)	Honolulu		Mr. Kim Beasley Clean Islands Council 179 Sand Island Access Road Honolulu, HI 96819-2224	Mr. Kim Beasley	(808) 536-5814; (808) 845-8465	Low	Reconnaissance	10/14/2015
Concrete Coring Company of Hawaii, Inc.			H-00-2235; H-05-2473	Honolulu		Mr. Nathan Sabey Concrete Coring Co of Hawaii, Inc. 99-1026 Iwaena Street Aiea, HI 96701	Mr. Nathan Sabey	(808) 488-8222, (808) 330-7516;	Low	Regular	11/18/2015

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
Dependable Hawaiian Express, Inc.	DHX, Inc.	H-05-23		Honolulu		Mr. Joe Vele Dependable Hawaii Express, Inc. 703 North Nimitz Highway Honolulu, HI 96817	Joe Vele	(808) 841-7311 ext. ; (808) 841-7311 ext. 1726, (808) 590-3186	Low	Reconnaissance	9/1/2015
Erik Builders, Inc.			H-97-1984; H-98-2092	Honolulu		Mr. James M. Sakata Erik Builders, Inc. 50-CC Sand Island Access Road Honolulu, HI 96819	Mr. James M. Sakata	(808) 845-7736	Low	Regular	10/8/2015
Frank P. White Jr. Properties	Container Storage Co.		H-97-1986	Honolulu		Mr. Frank White, Jr. Container Storage Co. of Hawaii, Ltd. 2276 Pahounui Drive Honolulu, HI 96819	Mr. Frank White, Jr.	(808) 841-5555	Low	Reconnaissance	9/2/2015
Fresh Island Fish Company, Inc.	Frersh Island Fish Company, LLC	H-05-24	H-07-2584	Honolulu		Mr. Derek Higa Fresh Island Fish Company, Inc. 1135 North Nimitz Highway Honolulu, HI 96817	Mr. Derek Higa	(808) 831-4911, (808) 479-0607	Low	Reconnaissance	9/2/2015
Friends of Falls of Clyde			H-09-2645 (submerged land)	Honolulu		Mr. Bruce Mcewan Friends of Falls of Clyde P.O. Box 4674 Honolulu, HI 96812-4674	Mr. Bruce Mcewan	(808) 753-3311; (808) 543-9311, (808) 543-9357	Low	Reconnaissance	12/9/2015
Friends of Hokule'a & Hawai'iloa			H-98-2074	Honolulu		Mr. Jay Dowsett Friends of Hokule'a & Hawai'iloa 1329 Maleko Street Kailua, HI 96734	Mr. Jay Dowsett	(808) 256-1841	Medium	Regular	11/19/2015
Fukunaga, Paul N.	P.F. Marine		H-02-2339	Honolulu		Mr. Paul N Fukunaga P.F. Marine 1391 Haloa Drive Honolulu, HI 96818-1907	Mr. Paul N Fukunaga	(808) 842-1330, (808) 220-9425	Low	Reconnaissance	9/2/2015

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
Gillis, Eugene	Excavation Services		H-02-2366; H-07-2590	Honolulu		Mr. Eugene Gillis Excavation Services 5928 Kalanianaole Highway Honolulu, HI 96821	Mr. Eugene Gillis	(808) 383-1959	Medium	Regular	10/13/2015
Grace Pacific Corporation, LLC	GP Kalaeloa HMA Plant	M02095200 (acquired from Campbell Hawaii Investor LLC)		Kalaeloa	HI R80D546	Ms. Jamie Feldhacker Grace Pacific Corporation, LLC P. O. Box 78 Honolulu HI 96810	Ms. Jamie Feldhacker	(808) 203-2805, (808) 348-4895	Medium	Regular	10/9/2015
Hawaii Maritime Center		H-87-30		Honolulu		Mr. Donald Bell Hawaii Maritime Center 1525 Bernice Street Honolulu, HI 96817	Mr. Donald Bell	(808) 847-3511, (808) (808) 392-5230	Low	Reconnaissance	12/9/2015
Hawaii Stevedores, Inc.		H-90-4(X), replaced by H-11-2705(X)	H-96-1912; H-05-2506; H-09-2651; H-11-2706	Honolulu	HIR80D538 (Pier 1)	Mr. Frank Roznerski Hawaii Stevedores, Inc. 1601 Sand Island Parkway Honolulu, HI 96819	Mr. Frank Roznerski	(808) 842-5389, (808) 527-3415, (808) 927-2740	Medium	Regular	10/27/2015
Hawaiian Aqua Products, Inc.	Foo Lim and Sons		H-97-2002	Honolulu	HIR20A196	Mr. Yal M. Lim Hawaiian Aqua Products, Inc. 1130 Wilder Avenue, Suite 102 Honolulu, HI 96822	Mr. Yal M. Lim	(808) 521-5468	Medium	Regular	12/15/2015
Hawaiian Catamaran Multihull Design	Kirkwood, Clarke		H-97-2000	Honolulu		Mr. Matt Buckman Hawaiian Catamaran Multihull Design 50-C Sand Island Access Road Honolulu, HI 96819	Mr. Matt Buckman	(808) 306-6012	High	Regular	6/16/2015, 12/9/2015

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
Hawaiian Cement		H-68-2 (Kawaihae); H-73-13 (Kawaihae); H-91-7 (Nawiliwili); H-92-24 (Hilo); H-98-10 (KBPH)	H-85-1303 (Pier 2 at Kahului); H-95-1877 (easement at Kahului); H-07-2569 (Kahului); H-13-2738 (Pier 7 at KBPH)	Kalaeloa		Mr. Dane Wurlitzer Hawaiian Cement 99-1300 Halawa Valley Street Aiea, HI 96701-3289	Mr. Dane Wurlitzer	(808) 532-3407, (808) 330-3910; (808) 673-4208, (808) 330-3906	Medium	Regular	10/15/2015
Healy Tibbitts Builders, Inc.			H-06-2538	Kalaeloa		Mr. Glen Toyama Healy Tibbitts Builders, Inc. 99-994 Iwaena Street, Suite A Aiea, HI 96701	Mr. Glen Toyama	(808) 682-6104, (808) 368-1581	Low	Reconnaissance	10/14/2015
Heumann, James	Wind & Sea Charters		H-99-2128	Honolulu		Mr. James M. Heumann P.O. Box 8672 Honolulu, HI 96830	Mr. James M. Heumann	(808) 220-7675	Low	Reconnaissance	9/2/2015
Honolulu Marathon Association			H-06-2544	Honolulu		Mr. Ronald Chun Honolulu Marathon Association 3435 Waialae Ave Suite 208 Honolulu, HI 96826	Mr. Ronald Chun	(808) 946-0539; (808) 255-2602; (808) 255-2600	Low	Reconnaissance	12/9/2015

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
The Pasha	Formerly Horizon Lines, LLC	H-92-22(51A)	H-06-2525(emergency diesel generator, SI); H-91-1710(terminated); H-96-1916(office trailer, SI); H-99-2167(Kahului Harbor, Sea-land);H-12-0704(Kauai)	Honolulu	HI R80B909	Mr. Frank Roznerski Hawaiian Stevedores, Inc. 1601 Sand Island Parkway Honolulu, HI 96819	Mr. Frank Roznerski	(808) 842-5389; (808) 842-5370	High	Regular	6/17/2015, 11/3/2015
HPBS, Inc.			H-79-816(Hilo); H-93-1819 (Pier 19); H-99-2159 (terminated on 3/31/07)	Honolulu		Ms. Fay Leong HPBS, Inc. P.O. Box 721 Honolulu, HI 96808-0721	Ms. Fay Leong	(808) 532-7233	Low	Reconnaissance	9/1/2015
Ishikawa, Norman & Dolores	Norman's Tractor Service		H-97-1988	Honolulu		Ms. Theresa Alcosiba Norman's Tractor Service P.O. Box 2280 Ewa Beach, HI 96706	Ms. Theresa Alcosiba	(808) 778-1084; (808) 689-3644, (808) 778-0344; (808) 218-9824	Medium	Regular	11/18/2015

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
Island Beach Activities			H-06-2543	Honolulu		Mr. John Savio Island Beach Activities P.O. Box 88551 Honolulu, HI 96815 Registered Address: 2465 Ala Wai #1004 Honolulu, HI 96815	Mr. John Savio	(808) 223-8735; (808) 946-7490	Low	Reconnaissance	12/9/2015
ISS Marine Services, Inc.	Inchcape Shipping		H-09-2656	Honolulu		Ms. Ali Wang ISS Marine Services, Inc. Foreign Trade Zone Number 9 521 Ala Moana Boulevard, Suite 256 Honolulu, HI 96813	Ms. Ali Wang	(808) 538-6863, (808) 218-2188	Low	Reconnaissance	12/9/2015
Jas W. Glover, Ltd.			H-06-2553	Honolulu	HIR70C472	Mr. Keola Goo Jas W. Glover, Ltd. P.O. Box 579 Honolulu, HI 96809	Mr. Keola Goo	(808) 591-8977 ext. 321	Low	Reconnaissance	9/2/2015
Jems Enterprises, LLC	Hawaiian Ice Company	H-09-46		Honolulu		Mr. Marshall Joy Jems Enterprises, LLC 1125 North Nimitz Hwy Honolulu, HI 96817	Mr. Marshall Joy	(808) 538-6918 x107; (808) 265-3291	Medium	Regular	10/16/2015
JFC International, Inc.	Japan Food (Hawaii), Inc.; Davenport Hawaii Partners, LP	H-85-1	H-02-2330	Honolulu		Ms. Toshiaki Wada JFC International 887 North Nimitz Highway Honolulu HI 96817-4517	Ms. Toshiaki Wada; Rae Miyasaki	(808) 537-9528	Low	Reconnaissance	9/2/2015

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
Kagami, Inc.		300135	H-02-2343 (Pier 38; methane migration); H-04-2468 (Pier 20); H-05-2481 (Piers 18 to 38; contamination investigation); H-05-2509 (Pier 20);	Honolulu		Mr. Wayne Kagami Kagami, Inc. P.O. Box 17129 Honolulu, HI 96817-0129	Mr. Wayne Kagami	(808) 523-5700; (808) 330-3379	Low	Reconnaissance	9/1/2015
Kirby Offshore Marine, LLC	(Formerly Uaukewai Diving, Salvage & Fishing, Inc.) Formerly known as K-Sea Transportation, Hawaii Division; Kirby Offshore Marine Hawaii, LLC; Kirby Offshore Marine Hawaii, INC.		H-93-1804 (Warehouse on Pier 21); H-93-1816 (Warehouse on Pier 21); H-01-2249(Storage Cage on Pier 21); H-01-2273(Vehicle Parking on Pier 22); H-04-2463(Pier 25/26);	Honolulu		Mr. Matthew Lewis Kirby Offshore Marine, LLC Pier 21 Honolulu, HI 96817	Mr. Ryland Brown	(808) 462-4215 (Direct), (808) 462-4200 (Office), (808) 292-3231 (Cellular)	Medium	Regular	10/20/2015
Lansdown, Ian J.	Hawaii's Sailing Center; Ian J. Lansdown		H-99-2157	Honolulu		Captain Jeff Lansdown 665 Iana Street Kailua, HI 96734-3410	Captain Jeff Lansdown	(808) 263-2383; (808) 230-0940	Medium	Regular	6/25/2015, 11/19/2015

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
Marisco, Ltd.		H-07-33	H-99-2186; H-00-2224; H-08-2615	Kalaeloa	HI 0021786 (effective 5/6/11)	Mr. Stephen Hinton Marisco, Ltd. 91-607 Malakole Road Kapolei, HI 96707	Mr. Stephen Hinton	(808) 306-5935, (808) 682-1333	High	Regular	6/10/2015, 11/13/2015
Maritime License Center, Inc.			H-01-2298 (BPH); H-02-2364 (near Pier 24)	Honolulu		Mr. Charles Howard Maritime License Center, Inc. 707 Alakea Street, Suite 314 Honolulu, HI 96813	Mr. Charles Howard	(808) 589-0123	Low	Reconnaissance	9/2/2015
Matson Navigation Company, Inc.		H-79-5(HH), H-86-10 (Hilo), H-88-34 (Kahului), H-88-35 (Nawiliwili), H-91-4 (Kawaihae), H-06-05	H-82-1011(Honolulu Pier 51), H-84-1237 (HH), H-86-1382 (Kawaihae), H-96-1909 (Hilo), H-99-2156 (Honolulu) H-04-2461 (Kahului), H-07-2570 (Nawiliwili); H-99-2156 (HH); H-00-2225 (HH)	Honolulu	HI R80A15	Ms. Keahi Birch Matson Terminals, Inc. 1411 Sand Island Parkway Honolulu, HI 96819-4322	Ms. Keahi Birch	(808) 848-1252, (808) 228-1680; (808) 848-1241, (808) 845-5648; (808) 848-1280; (808) 848-8306; (808) 848-1258	High	Regular	6/23/2015, 12/11/2015

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
McCabe, Hamilton & Renny	-		H-84-1225 (Nawiliwili Harbor); H-90-1630 (Fort Armstrong, Kaakaukukui); H-93-1820 (Pier 23); H-96-1911 (Near Pier 2, Fort Armstrong); H-97-1935 (Nawiliwili Harbor); H-99-2160 (Pier 19 shed); H-01-2263 (Kahului); H-04-2464 (KBPH); H-06-2548 (Pier 24); H-07-2605 (Pier 2); H-13-2746 (Pier 29)	Honolulu; Kalaeloa		Mr. Andrew Souza McCabe, Hamilton & Renny 607 North Nimitz Highway Honolulu, HI 96817	Mr. Andrew Souza	(808) 479-0356, (808) 533-6791	Medium	Regular	10/14/2015
Moana Pa'a Kai, Inc.	Sister Company of Young Brothers		H-12-2732	Honolulu	HIR80B059	Mr. Randal Lau FOSS P.O. Box 3288 Honolulu, HI 96801-3288	Mr. Nathan Kapule	(808) 543-9398; (206) 276-1898	Medium	Regular	12/1/2015

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
Nanakuli Neighborhood Housing Services, Inc.	Nanakuli Housing Corporation Baseyard Hawaii		H-01-2248	Honolulu		Mr. Wilbert Barber Nanakuli Housing Corporation P.O. Box 17489 Honolulu, HI 96817-0489	Wilbert Barber	(808) 842-0770	Low	Regular	10/8/2015
Norko Marine Agency, Inc.			H-01-2314 (Pier 33)	Honolulu		Mr. Norman Cheu Norko Marine Agency, Inc. 791 North Nimitz Highway, Pier 32 Honolulu, HI 96817	Mr. Norman Cheu	(808) 216-4790, (808) 536-4568	Low	Reconnaissance	9/2/2015
Oceantronics, Inc.			H-13-2741 (Pier 24 at Honolulu)	Honolulu		Mr. Glory Ebeling Oceantronics, Inc. 711 North Nimitz Highway Honolulu, HI 96817	Mr. Glory Ebeling	(808) 522-5600; (808) 832-5590	Low	Reconnaissance	9/2/2015
Ohai, Leo A.	Oceanic Libra Corporation		H-99-3			Mr. Nephi Ohai C/O Oceanic Libra Corporation, P.O. Box 37038 Honolulu, HI 96837	Mr. Nephi Ohai	(808) 531-2524 (Business), (808) 690-4030 (Cellular), (808) 528-2149 (Home)	Medium	Regular	6/5/2015, 12/3/2015
P&R Water Taxi, Ltd.			H-91-1714; H-05-2504;	Honolulu	HIR80A153	Mr. Ralph Dewitt P&R Water Taxi, Ltd. P.O. Box 2851 Honolulu, HI 96803-2851	Mr. Ralph Dewitt	808) 554-3436	Medium	Regular	10/29/2015
Pacific Environmental Corporation			H-93-1817 (Pier 14); H-96-1898 (KBPH); H-98-2055 (Pier 33);	Honolulu		Ms. Shanyn Nauihou PENCO 65 North Nimitz Highway, Pier 14 Honolulu, HI 96817-5333	Ms. Shanyn Nauihou	(808) 545-5195, (808) 792-1180, (808) 295-6016; (808) 479-3905; (808) 545-5190;	Medium	Regular	10/23/2015

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
Pacific Ocean Producers, LLC	Pacific Ocean Producers, Inc. (Nico's); POP Fishing & Marine, LLC	H-03-18; H-10-51	H-04-2458; H-07-2588	Honolulu		Mr. Neil Kanemoto Pacific Ocean Producers, LLC 1133 North Nimitz Highway Honolulu, HI 96817	Mr. Neil Kanemoto	(808) 537-2905 ext. 110, (808) 478-9002, 1(800) 288-6644; (808) 537-2905 ext. 102	Low	Reconnaissance	9/2/2015
Pacific Shipyards International, LLC	Pacific Marine and Supply, Navatek, Unitek Contracting Group, Honolulu Shipyard		H-98-2123 (terminated on 2/28/2006); H-84-1229	Honolulu	HI0020753	Mr. Vince Gallo Pacific Shipyards International, LLC P.O. Box 31328 Honolulu, HI 96820	Mr. Vince Gallo	(808) 848-6211, (808) 223-4946	High	Regular	6/19/2015, 12/2/2015
Pang, Sandra	SP Lunch Wagon; Sandy's Lunchwagon		H-91-1735	Honolulu		Ms. Sandra Pang Sandy's Lunchwagon 139 Mokauea Street Honolulu, HI 96819	Ms. Sandra Pang	(808) 778-4686	Low	Reconnaissance	12/18/2015
Paradise Cruise, Ltd.	Paradise Cruise, Inc., RDH Transportation Inc., and Royal Star	H-98-11 (Pier 8 at Honolulu)	DOT 93-22; H-98-2121 (Ferry office at Aloha Tower Marketplace; Pier 8); H-06-2530	Honolulu		Mr. Richard A. Davison Paradise Cruise, Ltd 1540 South King Street Honolulu HI 96826	Mr. Richard A. Davison	(808) 983-7765; (808) 384-8360	Low	Reconnaissance	12/9/2015
Pendleton Flour Mills, LLC	Hawaiian Flour Mills; HFM Food Service; KERR Pacific Corp	H-79-1	H-01-2283	Honolulu		Mr. Tim Bryan Pendleton Flour Mills, LLC P.O. Box 1238 Honolulu, HI 96807-1238	Mr. Tim Bryan	(808) 527-3272, (808) 527-3215; 368-1868	N/A	Final	6/2/2015

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
Petrospect, Inc.			H-87-1411; H-88-1517 ; H-12-2726 (Pier 21, Honolulu)	Honolulu		Mr. Chad Miller Petrospect, Inc. 499 North Nimitz Highway, Pier 21 Honolulu, HI 96817-5063	Mr. Chad Miller	(808) 536-6626; (808) 306-7501	Low	Reconnaissance	9/1/2015
Pioneer Machinery, Inc.			H-90-1678	Honolulu		Mr. Rodney Yee Pioneer Machinery, Inc. P.O. Box 22265 Honolulu, HI 96823-2265	Mr. Rodney Yee	(808) 371-4892	Low	Reconnaissance	9/2/2015
Pryne, Ty	H.B.N. Yacht Rigging	1009557	H-01-2271	Honolulu		Mr. Ty Pryne 3901 A Maunahilu Place Honolulu, HI 96816 Shipping Address: 742 Queen Street, Suite 301 Honolulu, HI 96813	Mr. Ty Pryne	(808) 479-8844, (808) 597-8120	Low	Reconnaissance	9/1/2015
R & C Concrete Specialists, Inc.	Ron's Concrete Specialists, Inc.		H-98-2115	Honolulu		Mr. James Mainaaupo R & C Concrete Specialists, Inc. P.O. Box 17370 Honolulu, HI 96817	Mr. James Mainaaupo	(808) 845-0467	Low	Reconnaissance	9/2/2015
Raymond Yan Siu	Pier 21 Lunchroom; formerly known as Wai Lun Siu		H-98-2114	Honolulu		Mr. Raymond Siu Pier 21 Lunchroom 750 North Nimitz Highway Honolulu, HI 96819	Mr. Raymond Yan Siu	(808) 599-7715, (808) 256-2907	Low	Reconnaissance	9/1/2015
Rebecca's Fine Collections, Inc.	R.F.C. Group		H-07-2578	Honolulu		Ms. Rebecca Fan Rebecca's Fine Collections, Inc. 66 Queen Street, #1702 Honolulu, HI 96813	Ms. Rebecca Fan	(808) 478-6688	Low	Regular	10/28/2015

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
Sause Bros., Inc.		H-03-14 (Pier 24, 2nd floor and parking stalls); H-10-50 (KBPH)	H-01-2261 (Pier 27, Honolulu); H-04-2449 (Pier 5, KBPH)	Honolulu; Kalaeloa		Mr. Wayne Stachel or Mr. Mike Leslie Sause Bros., Inc. 705 North Nimitz Highway, 2nd Floor Honolulu, HI 96817	Wayne Stachel for HNL, Mike Leslie for Kalaeloa;	(808)306-2177; (808) 521-5082; KAL: (808) 523-5636	Medium	Regular	10/22/2015
Sea Engineering, Inc.			H-01-2289 (Pier 35, cancelled); H-09-2665 (Pier 21)	Honolulu		Mr. Tor Harris Sea Engineering, Inc. 863 North Nimitz Highway Honolulu, HI 96817	W. Patrick Ross; Tor Harris	(808) 536-3603; (603) 978-6800	Medium	Regular	10/21/2015
State of Hawaii Department of the Attorney General/Criminal Justice	Attorney General-Asset Forfeiture		H-99-2155; H-03-2439 (Pier 19 Transit Shed)	Honolulu		Mr. Kern Nishioka State of Hawaii Dept of Attorney General/Criminal Justice 425 Queen Street, Honolulu HI 96813	Mr. Kern Nishioka	(808) 586-1383	Low	Reconnaissance	9/1/2015
Steinke Brothers, Inc.			H-97-1981	Honolulu		Mr. Robert Steinke Steinke Brothers, Inc. 98-889 Kaahele Street Aiea, HI 96701	Mr. Robert Steinke	(808) 488-9668	Low	Reconnaissance	9/2/2015

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
The Gas Company, LLC	Hawaii Gas Company (formerly known as)	H-69-4 (Honolulu); H-72-15 (Honolulu, easement?); H-80-9 (KBPH, Easement); H-94-1 (Nawiliwili); H-06-28 (Honolulu); H-06-29 (KBPH, Easement for Electrical power box);	H-04-2450 (Hilo, Subsurface pipeline); H-04-2451 (Hilo, Wiring system adjacent to Pier 3); H-08-2627 (Kahului, Easement for electric wiring); H-08-2628 (Kahului, Easement for subsurface pipelines);	Honolulu		Ms. Zoe Williams The Gas Company, LLC P.O. Box 3000 Honolulu, HI 96802-3000	Ms. Zoe Williams	(808) 594-5637; (808) 594-5689 (Direct), (808) 551-3237 (Main)	Medium	Regular	11/10/2015
The Webe Corporation, Ltd.	Ali'I Kai Catamaran (Subsidiary of Robert's Hawaii)		H-05-2508	Honolulu		Captain Fred Rackle The Webe Corporation, Ltd. 680 Iwilei Road, Suite 700 Honolulu, HI 96817	Captain Fred Rackle	(808) 831-1564, (808) 753-7727	Low	Reconnaissance	12/9/2015
Travel Plaza Transportation, LLC	JTB Hawaii		Parking Agreement	Honolulu		Mr. Angel J. Allas Travel Plaza Transportation, LLC 818 Pine Street, 4th Floor Honolulu, HI 96817	Angel J. Allas	(808) 397-5000, (808) 397-5002 (Direct line), (808) 478-1582	Medium	Regular	9/1/2015
Trouble Free Corp.			H-03-2422	Kalaeloa		Mr. Chris Boyles Trouble Free Corp. 123 Glass Place Marion SC 29571	Mr. Chris Boyles	(808) 864-8864	Low	Reconnaissance	10/14/2015

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
U.S. Bureau of Customs and Border Protection, DHS			H-97-1934; H-03-2419	Honolulu		Mr. Ferdie Jose US Bureau of Customs and Border Protection, DHS 300 Ala Moana Boulevard, Room 2-267 Honolulu, HI 96813	Mr. Ferdie Jose	(808) 522-8001 ext. 223; (808) 366-3795	Low	Reconnaissance	12/9/2015
Unify Recovery LLC						Ms. Gayle Saito Unify Recovery Service P.O. Box 10212 Honolulu, HI 96816-0212	Gayle	(808) 256-7266	Medium	Regular	10/27/2015
United Fishing Agency, Ltd.		H-03-17	H-98-2037 (Terminated)	Honolulu		Mr. Daniel Otani United Fishing Agency, Ltd. 1131 North Nimitz Highway Honolulu, HI 96817	Mr. Daniel Otani	(808) 536-2148	Medium	Regular	10/8/2015
University of Hawaii	UH Marine Center; Snug Harbor	Gratis - Executive Order No. 4206, General Lease No. S-4488 (originally parcels owned by DLNR and transferred to HDOT on 11/28/2007).		Honolulu		Mr. Ross Barnes or Mr. Alan Hilton UH Marine Center 1 Sand Island Access Road Honolulu HI 96819	Ross Barnes	(808) 842-9815, (808) 864-0122; (808) 956-9173	High	New	7/13/2015
Vak Fisheries, LLC		Pending		Honolulu		Mr. Kim Lu VAK Fisheries, LLC 501 North Nimitz Highway, Pier 19 Honolulu HI 96817	Mr. Kim Lu	(808) 258-2990	Low	Reconnaissance	9/1/2015

Tenant	DBA	Lease No.	Permit No.	Harbor	NPDES	Mail Address	Insp POC	Phone	2015 Risk Rank	Inspection Type	Inspection Date
Van, Kevin	Hi-Sea Hawaii Fishing Supply		H-97-1936	Honolulu		Mr. Kevin Van Hi-Sea Hawaii Fishing Supply Pier 20, Warehouse #6 Honolulu, HI 96817	Mr. Kevin Van	(808) 521-6076, (808) 234-9091	Low	Reconnaissance	9/1/2015
Welch, Jr., Darrell, G., AIA	Aloha Tower, 4th Floor		H-99-2134	Honolulu		Mr. Darrell G. Welch Jr. P.O. Box 4557 Honolulu, HI 96812-4557	Mr. Darrell G. Welch Jr., AIA	(808) 585-8522	Low	Reconnaissance	12/9/2015
Wikoliana Educational Excursions, LLC			H-09-2648	Honolulu		Captain Ian Jeffrey Lansdown Wikoliana Educational Excursions, LLC 665 Iana Street Kailua, HI 96734	Captain Ian Jeffrey Lansdown	(808) 230-0940	Low	Reconnaissance	12/9/2015
Young Brothers, Ltd.		H-93-4(Kaunakakai, Molokai); H-98-8(Honolulu); H-01-04 (Nawiliwili);	H-94-1857 (Nawiliwili); H-96-1895 (Molokai): H-98-2118 (Hilo); H-99-2131 (Piers 39/40); H-00-2214 (Kahului); H-00-2229(Kawaihae); H-01-2275 (Kawaihae);	Honolulu	HIR80A119	Mr. Nathan Kapule Young Brothers, Ltd. P.O. Box 3288 Honolulu, HI 96801-3288	Mr. Nathan Kapule	(808) 543-9398, (808) 590-4297; (206) 276-1898; (808) 543-9357	Medium	Regular	12/1/2015

Attachment 12

Outfall Prioritization

Inspected	Category	HDOT Location	Outfall ID	Previous Outfall ID	Pier	Inspection Date	Next Inspection Due By	Unlikely	Potential	Suspect	Obvious
TRUE	Outfall	Honolulu Harbor	SDD 8000	P51B-07	51B	5/7/2015	TBD	TRUE	FALSE	FALSE	FALSE
TRUE	Outfall	Honolulu Harbor	SDD 1160	P05-HECO3 and P05-HECO4	6	5/7/2015	TBD	TRUE	FALSE	FALSE	FALSE
TRUE	Outfall	Honolulu Harbor	SDD 1570	P09-04	9	5/7/2015	TBD	TRUE	FALSE	FALSE	FALSE
TRUE	Outfall	Honolulu Harbor	SDD 4700	P36-01	35	5/7/2015	TBD	TRUE	FALSE	FALSE	FALSE
TRUE	Outfall	Honolulu Harbor	SDD 5050	P38-01	38	5/7/2015	TBD	TRUE	FALSE	FALSE	FALSE
N/A	Outfall	Honolulu Harbor	SDD 0956	P05-01	5	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 7800	P51A-01	51A	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 7850	P51A-07	51A	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 7880	P51A-05	51A	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 7960	P51A-04	51A	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8080	P51B-05	51B	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8090	P51B-03	51B	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8130	P51C-01	51C	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8182	P51B-04	51C	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8190	P51C-05	51C	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8194	P51C-06	51C	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8198	P51C-04	51C	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8200	No Previous ID	51C	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8206	P51C-02	51C	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8210	P51C-03	51C	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8442	P52-05	52	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8500	P52-01	52	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8556	P52-04	52	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8560	P52-03	52	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8850	P52-02	52	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8870	P53-03	53	N/A	4/15/2016	N/A	N/A	N/A	N/a

Inspected	Category	HDOT Location	Outfall ID	Previous Outfall ID	Pier	Inspection Date	Next Inspection Due By	Unlikely	Potential	Suspect	Obvious
N/A	Outfall	Honolulu Harbor	SDD 8900	P53-02 (right)	53	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8910	P53-02 (left)	53	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 8930	P53-01	53	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	To Be Verified (SDD 8070)	No Previous ID	51B	N/A	4/15/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 1000	P05-02	5	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 1040	P05-03	6	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 1150	P05-HECO2	6	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 1190	P05-HECO5	7	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 1500	No Previous ID	Unknown	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 1508	P08-01	8	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 1512	P08-03	8	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 1520	P08-06	8	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 1530	P08-10	8	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 1540	P08-12	8	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 1552	P09-02	9	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 1558	P09-03	9	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 1600	P09-05	9	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 2200	P15-01	15	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 2300	P19-01	19	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 2590	P21-07	21	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 2600	P21-01	21	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 2610	P21-02	21	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 2640	P21-03	21	N/A	4/16/2016	N/A	N/A	N/A	N/a

Inspected	Category	HDOT Location	Outfall ID	Previous Outfall ID	Pier	Inspection Date	Next Inspection Due By	Unlikely	Potential	Suspect	Obvious
N/A	Outfall	Honolulu Harbor	SDD 2794	P21-04	21	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 2800	P22-01	22	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 3000	P23-01	23	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 3070	P23-02	23	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 3200	P23-03	23	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 3240	P24-01	24	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 3300	No Previous ID	24	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 3500	No Previous ID	24	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 3550	P25-01	25	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 3610	P26-01	26	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 3630	P27-01	27	N/A	4/16/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 4500	P35-04	35	N/A	4/17/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 4600	P35-05	35	N/A	4/17/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 5100	P38-02	38	N/A	4/17/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 5150	P38-04	38	N/A	4/17/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 5800	No Previous ID	41	N/A	4/17/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 6500	P41-03	41	N/A	4/17/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 6970	P41-01	41	N/A	4/17/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 6990	No Previous ID	41	N/A	4/17/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 7600	P44/45-01	45	N/A	4/17/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-01	BP-01		N/A	5/28/2016	N/A	N/A	N/A	N/a

Inspected	Category	HDOT Location	Outfall ID	Previous Outfall ID	Pier	Inspection Date	Next Inspection Due By	Unlikely	Potential	Suspect	Obvious
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-02	BP-02		N/A	5/28/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-03	BP-03		N/A	5/28/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-04	BP-04		N/A	5/28/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-05	BP-05		N/A	5/28/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-06	BP-06		N/A	5/28/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-07	BP-07		N/A	5/28/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-08	BP-08		N/A	5/28/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-09	BP-09		N/A	5/28/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-12	BP-12		N/A	5/28/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-14	BP-14		N/A	5/28/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-28	BP-28		N/A	5/28/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-29	BP-29		N/A	5/28/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 0100	P01-01	1	N/A	6/6/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 0600	P02-11	2	N/A	6/6/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 0700	P03-02	2	N/A	6/6/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 0500	No Previous ID	2	N/A	6/6/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 2790	P21-06	21	N/A	7/9/2016	N/A	N/A	N/A	N/a

Inspected	Category	HDOT Location	Outfall ID	Previous Outfall ID	Pier	Inspection Date	Next Inspection Due By	Unlikely	Potential	Suspect	Obvious
N/A	Outfall	Honolulu Harbor	SDD 5000	P37-02	37	N/A	10/14/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-10	BP-10		N/A	11/20/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-11	BP-11		N/A	11/20/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-13	BP-13		N/A	11/20/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-15	BP-15		N/A	11/20/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-16	BP-16		N/A	11/20/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-17	BP-17		N/A	11/20/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-18	BP-18		N/A	11/20/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-19	BP-19		N/A	11/20/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-20	BP-20		N/A	11/20/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-21	BP-21		N/A	11/20/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-22	BP-22		N/A	11/20/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-23	BP-23		N/A	11/20/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-24	BP-24		N/A	11/20/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-25	BP-25		N/A	11/20/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-26	BP-26		N/A	11/20/2016	N/A	N/A	N/A	N/a

Inspected	Category	HDOT Location	Outfall ID	Previous Outfall ID	Pier	Inspection Date	Next Inspection Due By	Unlikely	Potential	Suspect	Obvious
N/A	Outfall	Kalaeloa Barbers Point Harbor	BP-27	BP-27		N/A	11/20/2016	N/A	N/A	N/A	N/a
N/A	Outfall	Honolulu Harbor	SDD 1230	P07-03	7	N/A		N/A	N/A	N/A	N/a

Attachment 13

Dry Weather ORI Forms

2015 Honolulu Harbor Outfall Reconnaissance Inventory (ORI) Summary

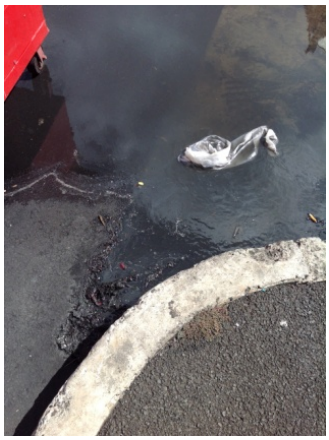
EnviroServices and Training Center, LLC (ETC) conducted dry weather inspections on May 7, 2015. Data was obtained from field observations, previous maps, and the Army Corps of Engineers (ACOE) map. In accordance with the Outfall Reconnaissance Inspection & Inventory Plan and the Consent Decree 16.c.1, ETC inspected outfalls that were previously characterized as being Obvious, Suspect, or Potential with the respect to illicit discharge concerns from inspections conducted in 2014.

The ORI sheets have been amended to include a space for the previous outfall identification number where one was available. Also, outfalls have been named based on ACOE identification numbers. Where no ACOE number existed, other data was used to aid in determining location such as drain inlet number, previous ID, and/or location between two known outfall IDs.

The findings have been summarized below:

- Flow was observed in the following outfalls:
    - SDD 1570 (P09-04) and SDD 4700 (P36-01): A slight to moderate clear flow was observed with no color, odor, or floatables. The flow was identified as air conditioning condensate and is therefore not considered an illicit discharge.
    - SDD 5050 (P38-01): A moderate flow was observed. The flow was identified as condensate water from Hawaiian Ice's ice machine and ice melt water from operations at United Fishing Agency, Ltd., which initially was not considered an illicit discharge. A land-based upstream investigation discovered water flowing through debris near trash receptacles prior to being discharge into the harbor. Thus the discharge was then characterized as an illicit discharge. See below for photos. At the time of inspection, inspectors spoke with a tenant representative to resolve the issue. United Fishing Agency, Ltd. initiated the response by sweeping the corner near the municipal trash bin.





- Outfalls SDD 1160 (P05-HECO3/P05-HECO4) and SDD 8000 (To Be Verified) were both partially submerged with ocean surge. No physical indicators of an illicit discharge were observed at either outfall.

Attached are the ORI sheets and photosheets of inspected outfalls.

OUTFALL RECONNAISSANCE INVENTORY FORM

Section 1: Background Data

Outfall ID: SDD 1160	***Previous Outfall ID: P05-HECO3 / P05-HECO4***
HDOT Location: Honolulu Harbor	Subwatershed: Nuuanu
Inspection Date: 5/7/2015	Investigators: Matt Moore, Katie Adamson, Katie Davis, Joy Zhang
Time (Military): 0845	Form completed by: Matt Moore
Lat: 21 ° 18 ' 19.9 " Long: 157 ° 51 ' 51.2 "	GPS Unit: GPS Landmark:
Temp (○F): 78 Rainfall (in.) Last 24 Hrs: 0 48 Hrs: 0	Camera: ETC Camera 3 Photo #s: P1050043 - P1050048

Land Use in Drainage Area (Check all that apply):

☐ Industrial	☐ Open Space
☐ Ultra-Urban Residential	☐ Institutional
☐ Suburban Residential	Other: _____
☒ Commercial	Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Eliptical ☐ Box ☒ Other: Semicircle	☐ Single ☐ Double ☐ Triple ☒ Other: Two outfalls adjacent	Diameter/Dimensions: 36 / 24	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	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		**RESULT**	**UNIT**	**EQUIPMENT**
☐Flow #1	Volume		Liter	
	Time to fill		Sec	
☐Flow #2	Flow depth		In	
	Flow width		Ft, In	
	Measured length		Ft, In	
	Time of travel		Sec	
Temperature			°F	
pH			pH Units	Test strip/Probe
Ammonia			ppm	Test strip

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					

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 RECONNAISSANCE INVENTORY FORM

Section 1: Background Data

Outfall ID: SDD 1570	***Previous Outfall ID: P09-04***
HDOT Location: Honolulu Harbor	Subwatershed: Nuuanu
Inspection Date: 5/7/2015	Investigators: Matt Moore, Katie Adamson, Katie Davis, Joy Zhang
Time (Military): 0910	Form completed by: Matt Moore
Lat: 21 ° 18 ' 23.9 " Long: 157 ° 51 ' 58.9 "	GPS Unit: GPS Landmark:
Temp (○F): 78 Rainfall (in.) Last 24 Hrs: 0 48 Hrs: 0	Camera: ETC Camera 3 Photo #s: P1050049 - P1050060

Land Use in Drainage Area (Check all that apply):

☐ Industrial	☐ Open Space
☐ Ultra-Urban Residential	☐ Institutional
☐ Suburban Residential	Other: _____
☒ Commercial	Known Industries: _____

Notes (e.g., origin of outfall, if known): Flow identified as air conditioning condensate from previous outfall and upstream investigations.

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24	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	☐ Trickle ☒ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		**RESULT**	**UNIT**	**EQUIPMENT**
☐Flow #1	Volume		Liter	
	Time to fill		Sec	
☐Flow #2	Flow depth		In	
	Flow width		Ft, In	
	Measured length		Ft, In	
	Time of travel		Sec	
Temperature			°F	
pH			pH Units	Test strip/Probe
Ammonia			ppm	Test strip

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: Air conditioning condensate			☐ Illicit Discharge (Trigger to Obvious)
Other Observations					

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 RECONNAISSANCE INVENTORY FORM

Section 1: Background Data

Outfall ID: SDD 4700	***Previous Outfall ID: P36-01***
HDOT Location: Honolulu Harbor	Subwatershed: Kapalama
Inspection Date: 5/7/2015	Investigators: Matt Moore, Katie Adamson, Katie Davis, Joy Zhang
Time (Military): 0945	Form completed by: Matt Moore
Lat: 21 ° 19 ' 2.1 " Long: 157 ° 52 ' 39.8 "	GPS Unit: GPS Landmark:
Temp (○F): 78 Rainfall (in.) Last 24 Hrs: 0 48 Hrs: 0	Camera: ETC Camera 3 / ETC iPad Photo #s: P1050062, 20150507_ 019

Land Use in Drainage Area (Check all that apply):

☐ Industrial	☐ Open Space
☐ Ultra-Urban Residential	☐ Institutional
☐ Suburban Residential	Other: _____
☒ Commercial	Known Industries: _____

Notes (e.g., origin of outfall, if known): Flow identified as air conditioning condensate from previous outfall and upstream investigations.

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☒ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18	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	☐ Trickle ☒ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		**RESULT**	**UNIT**	**EQUIPMENT**
☐Flow #1	Volume		Liter	
	Time to fill		Sec	
☐Flow #2	Flow depth		In	
	Flow width		Ft, In	
	Measured length		Ft, In	
	Time of travel		Sec	
Temperature			°F	
pH			pH Units	Test strip/Probe
Ammonia			ppm	Test strip

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: Air conditioning condensate			☐ Illicit Discharge (Trigger to Obvious)
Other Observations					

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 RECONNAISSANCE INVENTORY FORM

Section 1: Background Data

Outfall ID: SDD 5050	***Previous Outfall ID: P38-01***
HDOT Location: Honolulu Harbor	Subwatershed: Kapalama
Inspection Date: 5/7/2015	Investigators: Matt Moore, Katie Adamson, Katie Davis, Joy Zhang
Time (Military): 1015	Form completed by: Matt Moore
Lat: 21 º 19 ‘ 0.3 “ Long: 157 º 52 ‘ 45.9 “	GPS Unit: GPS Landmark:
Temp (○F): 78 Rainfall (in.) Last 24 Hrs: 0 48 Hrs: 0	Camera: ETC Camera 3 Photo #s: P1050065 - P1050069

Land Use in Drainage Area (Check all that apply):

☐ Industrial	☐ Open Space
☐ Ultra-Urban Residential	☐ Institutional
☐ Suburban Residential	Other: _____
☒ Commercial	Known Industries: _____

Notes (e.g., origin of outfall, if known): A moderate flow was observed. The flow was identified as ice melt from operations at Hawaiian Ice and was not initially considered an illicit discharge. A land-based upstream investigation discovered water flowing through debris near trash receptacles prior to being discharge into the harbor.

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☐ RCP ☐ CMP ☒ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 12	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	☐ Trickle ☐ Moderate ☒ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		**RESULT**	**UNIT**	**EQUIPMENT**
☐Flow #1	Volume		Liter	
	Time to fill		Sec	
☐Flow #2	Flow depth		In	
	Flow width		Ft, In	
	Measured length		Ft, In	
	Time of travel		Sec	
Temperature			°F	
pH			pH Units	Test strip/Probe
Ammonia			ppm	Test strip

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: Ice melt flowing through debris near trash receptacles prior to discharge into harbor.			☒ Illicit Discharge (Trigger to Obvious)
Other Observations					

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 RECONNAISSANCE INVENTORY FORM

Section 1: Background Data

Outfall ID: SDD 8000	***Previous Outfall ID: P51B-07***
HDOT Location: Honolulu Harbor	Subwatershed: Sand Island
Inspection Date: 5/7/2015	Investigators: Matt Moore, Katie Adamson, Katie Davis, Joy Zhang
Time (Military): 1100	Form completed by: Matt Moore
Lat: 21 ° 18 ' 48.3 " Long: 157 ° 53 ' 01.8 "	GPS Unit: GPS Landmark:
Temp (○F): 78 Rainfall (in.) Last 24 Hrs: 0 48 Hrs: 0	Camera: ETC Camera 3 Photo #s: P1050070, P1050071

Land Use in Drainage Area (Check all that apply):

☐ Industrial	☐ Open Space
☐ Ultra-Urban Residential	☐ Institutional
☐ Suburban Residential	Other: _____
☒ Commercial	Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ **Closed Pipe**	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 42	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	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		**RESULT**	**UNIT**	**EQUIPMENT**
☐Flow #1	Volume		Liter	
	Time to fill		Sec	
☐Flow #2	Flow depth		In	
	Flow width		Ft, In	
	Measured length		Ft, In	
	Time of travel		Sec	
Temperature			°F	
pH			pH Units	Test strip/Probe
Ammonia			ppm	Test strip

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					

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

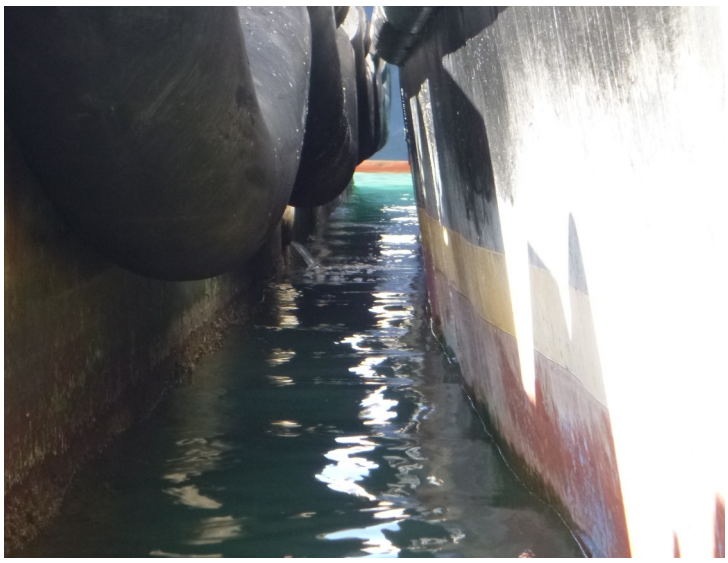
☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

Outfall ID	**SDD 1160**
Previous ID	*P05-HECO3 / P05-HECO4*
Outfall Characterization	Unlikely
Pier	5
Land Use	Commercial
Type	Closed Pipe
Material	RCP
Shape	Other
Grouping	Two adjacent outfalls
Dimensions	36 in. / 24 in.
Submerged	Partially

Outfall ID	**SDD 1570**
Previous ID	*P09-04*
Outfall Characterization	Unlikely
Pier	9
Land Use	Commercial
Type	Closed Pipe
Material	RCP
Shape	Circular
Grouping	Single
Dimensions	24 inches
Submerged	No

Outfall ID	**SDD 4700**
Previous ID	*P36-01*
Outfall Characterization	Unlikely
Pier	36
Land Use	Commercial
Type	Closed Pipe
Material	PVC
Shape	Circular
Grouping	Single
Dimensions	18 inches
Submerged	No



Outfall ID	**SDD 5050**
Previous ID	*P38-01*
Outfall Characterization	Obvious
Pier	38
Land Use	Commercial
Type	Closed Pipe
Material	PVC
Shape	Circular
Grouping	Single
Dimensions	12 inches
Submerged	No

Outfall ID	**To Be Verified (SDD 8000)**
Previous ID	*No Previous ID*
Outfall Characterization	Unlikely
Pier	P51B-07
Land Use	Commercial
Type	Closed Pipe
Material	RCP
Shape	Circular
Grouping	Single
Dimensions	42 inches
Submerged	Partially

Attachment 14

Wet Weather ORI Forms

2015 Honolulu Harbor Wet Weather Outfall Inspection

Wet weather outfall inspections were conducted in accordance with the Outfall Reconnaissance Inventory and Inspection Program (ORIIP) Manual at construction sites and high risk tenant facilities on August 24, 2015. Rain gauge readings indicated that a significant rain event (over 0.1 inches per hour) was occurring at that time, which would facilitate observations of potential illicit discharges in the storm water runoff. Documentation of these activities by inspectors Matt Moore, EnviroServices and Training Center, LLC and Joy Zhang, Harbors Environmental Engineer is provided below in a short narrative, photographic documentation, and completed ORI forms.

Wet Weather Observations

- **Overall Observations**
  - Inspectors observed that at each estimated outfall location, the surface water of Honolulu Harbor had a brown color and appeared turbid. In several areas, floating vegetation debris was observed as well. A single source could not be identified and inspectors concluded that the appearance of the harbor waters may be due to the large volume of runoff discharged from nearby streams (e.g. Nuuanu Stream). (Photos 3, 4, 7, 8, 9, 12, 15, 20, 21, 24, 25)
- **Pier 1 Construction Site**
  - *D0170* – The outfall was not visible from the pier; however, runoff entering the storm drains and over the side of the pier at foot marker 1750 appeared clear with no signs of illicit discharge. Construction best management practices (BMPs) appeared to be effective in retaining sediment on-site. (Photos 1-6)
- **Pier 35 Construction Site**
  - *D4500, D4460, D4450* – The outfalls were either submerged or not visible from the pier; however, there were no signs of illicit discharge from the site in the surface water of the harbor. Construction BMPs appeared to be effective in retaining sediment on-site. (Photos 7-15)
  - *D4370* – This outfall is currently under construction and the upstream drainage ditch had been blocked as a part of the construction site BMPs. The detention basin appeared to be at capacity and storm water runoff was observed discharging from an overflow area. Inspectors observed an apparent petroleum hydrocarbon sheen on the surface of the water in the detention basin, although a source could not be identified. The contractor's representative assisted by applying oil absorbent pads to remove the sheen. There were no signs of illicit discharge associated with these BMPs or this outfall. (Photos 16-17)

- **Pier 31 Construction Activity**
    - *D3950:* Due to recent drilling activities in this area, inspectors observed storm drain inlets and paved areas in the vicinity of this outfall. No signs of sedimentation or illicit discharge were observed. (Photos 18-19)
- **Pier 18 High Risk Tenant**
    - *D2300* – Inspectors mobilized to this area to observe runoff from areas occupied by Leo Ohai, a tenant which had been ranked as a high risk based on their inspections in 2014. There were no signs of illicit discharge to nearby storm drains or off the edge of the pier. Vegetation debris were observed floating in the harbor. (Photos 20-21)
- **Pier 12/15 Construction**
    - *D2200* – Although the gates to the construction sites at Pier 12 and 15 had been locked, inspectors observed the edges of the pier where visible from the surrounding areas. There were no signs of illicit discharge from the construction activities. (Photos 22-25)

PHOTO LOG

Pier 1 - D0170

	
Photo 1 Description: No signs of illicit discharge visible at foot marker 1750 on Pier 1.	**Photo 2 Description**: Construction site is approximately 400 feet from the edge of the pier and there were no signs of illicit discharge on the pavement.
	
Photo 3 Description: Harbor water appears brown and turbid.	**Photo 4 Description:** Harbor water appears brown and turbid near outfall D0170; however, this was not attributed to activities conducted on the Harbors Small MS4.

Pier 1 - SDD 0170 (continued, Upstream)

	
Photo 5 Description: Sediment laden storm water was adequately contained by construction BMPs including a semi-permanent asphalt berm.	**Photo 6 Description**: The berm adequately contained all potential pollutants from the construction site.

Pier 35 - D4500

	
Photo 7 Description: Outfall D4500 appeared submerged due to the high water level. The harbor water in the vicinity appeared brown and turbid, but no source was identified upstream of this outfall and is attributed to the general condition of the harbor.	**Photo 8 Description**: A turbidity barrier was present around the outfall area; however, harbor water conditions appeared similar on both sides of the BMP.

Pier 35 - D4460

	
Photo 9 Description: Harbor waters appeared brown and turbid in the general area of outfall D4460. However, no illicit discharges were observed.	**Photo 10 Description**: Construction site BMPs in the area appeared effective in controlling potential pollutants. Silt fence was positioned around the drain inlet and perimeter silt fence and berms were placed along the edge of the site (near the yellow concrete berm).
	
Photo 11 Description: Observations for this outfall were made near foot marker 200 on Pier 35.	**Photo 12 Description:** Harbor waters appeared brown and turbid; however, no illicit discharge was observed from the construction site.

Pier 35 - D4450

	
Photo 13 Description: The Pier 35 construction also included silt fence around the drain inlet that connects to outfall D4450 in addition to perimeter BMPs.	**Photo 14 Description**: Observations for D4450 were made at foot marker 400 on Pier 35.
	
Photo 15 Description: Harbor water appeared brown and turbid; however, no signs of illicit discharge were noted from the adjacent construction site.	

Pier 35 - D4370

	
Photo 16 Description: The Pier 35 construction site includes converting a former drainage channel into a box culvert that has been temporary constructed as detention basin at the pier apron section.	**Photo 17 Description**: The detention basin appeared to have reach capacity and overflowed into the harbor. A petroleum hydrocarbon sheen was noted on the surface of the detained water and although a source was not identified, contractors removed it with oil absorbent pads.

Pier 31 - D3950

	
Photo 18 Description: Drilling activities were recently conducted in this area of Pier 31; however, no disturbed sediment was observed at the time of this inspection. No other signs of illicit discharge were noted.	**Photo 19 Description**: No signs of illicit discharge were noted in this area of Pier 31, which discharges to outfall D3950.

Pier 18/19 - D2300

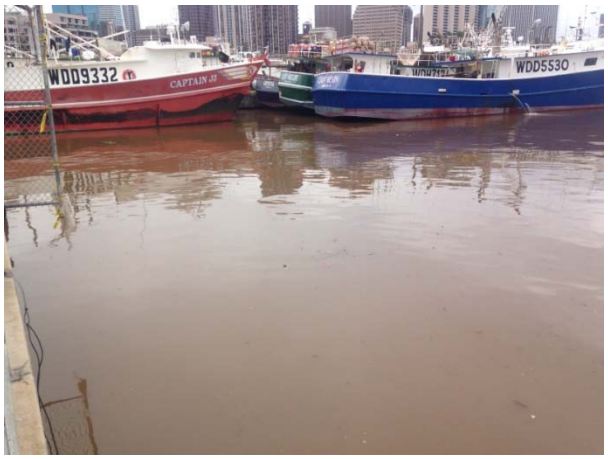


Photo 20 Description: Harbor water in the vicinity of Pier 18/19 appeared brown and turbid; however, there were no signs of illicit discharge from the adjacent high risk tenant facility.	**Photo 21 Description**: Vegetation and debris was observed floating in the harbor waters; however, a source could not be identified and was likely coming from Nuuanu stream.

Pier 12/15 – D2200

	
Photo 22 Description: The Pier 15 construction site was closed at the time of the inspection.	**Photo 23 Description**: The Pier 12 construction site was closed at the time of the inspection. No signs of illicit discharge were noted in this area.
	
Photo 24 Description: Harbor waters surrounding Pier 12 construction site appeared brown and turbid with floating vegetation debris similar to those identified throughout the harbor. No signs of illicit discharge were observed from the pier edge.	**Photo 25 Description**: Overview of harbor waters surrounding the Pier 12 construction.

OUTFALL RECONNAISSANCE INVENTORY FORM

Section 1: Background Data

Outfall ID: D0170		Today's date / Time (Military): 8/24/15 0930	
Investigators: Matt Moore / Jay Zhang			
Temperature (°F): 86	Rainfall (in.): Last 24 hours: 4.45	Last 72 hours: 0.03	
Latitutde: 21.299	Longitude: -157.867	GPS Unit: Arc GIS	GPS Landmark:
Camera: iPhone 5		Photo #s: IMG_2469 to IMG_2479 (11 total)	

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☑ Commercial
- Other: Construction # observations at Pier 1, FM 1750

Known Industries: Cargo Staging

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☑ **Closed Pipe**	☑ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other:	☑ Circular ☐ Eliptical ☐ Box ☐ Other:	☑ Single ☐ Double ☐ Triple ☐ Other:	Diameter/Dimensions: 18"	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*		# Outfall not visible	
Flow Description (If present)	Constant: ☐ Trickle ☐ Moderate ☐ Substantial Tidal: ☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		**RESULT**	**UNIT**	**EQUIPMENT**
☐ Flow #1	Volume			
	Time to fill			
☐ Flow #2	Flow depth		In	
	Flow width	0' "	Ft, In	
	Measured length	0' "	Ft, In	
	Time of travel		Sec	

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: Other SW flows to Harbor (Non-MS4)			☐ Illicit Discharge (Trigger to Obvious)
Other Observations	Entirety of Harbor appeared turbid. Flow over edge of pier appeared clear and nearby construction BMPs were effective in retaining sediment on-site. Indicators above apply to harbor water and not the outfall.				

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 RECONNAISSANCE INVENTORY FORM

Section 1: Background Data

Outfall ID: 04500		Today's date / Time (Military): 8/24/15 1000	
Investigators: M. Moore / J. Zhang			
Temperature (°F): 86	Rainfall (in.): Last 24 hours: 4.45	Last 72 hours: 0.03	
Latitutde: 21.317	Longitude: -157.876	GPS Unit: Arc GIS	GPS Landmark:
Camera: iPhone 5		Photo #s: IMG_2480 to IMG_2483 (4 total)	

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☑ Commercial
- Other: Pier 35

Known Industries: Fishing village

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☑ **Closed Pipe**	☑ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other:	☒ Circular ☐ Eliptical ☐ Box ☐ Other:	☒ Single ☐ Double ☐ Triple ☐ Other:	Diameter/Dimensions: 36"	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*		* Outfall submerged	
Flow Description (If present)	Constant: ☐ Trickle ☐ Moderate ☐ Substantial Tidal: ☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		**RESULT**	**UNIT**	**EQUIPMENT**
☐ Flow #1	Volume			
	Time to fill			
☐ Flow #2	Flow depth		In	
	Flow width	0' "	Ft, In	
	Measured length	0' "	Ft, In	
	Time of travel		Sec	

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: No source of sediment observed. Likely due to large amounts of SW flow entering harbor.			☐ Illicit Discharge (Trigger to Obvious)
Other Observations					

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 RECONNAISSANCE INVENTORY FORM

Section 1: Background Data

Outfall ID: D4460		Today's date / Time (Military): 8/24/15 1000	
Investigators: M. Moore / J. Zhang			
Temperature (°F): 86	Rainfall (in.): Last 24 hours: 4.45	Last 72 hours: 0.03	
Latitutde: 21.316	Longitude: -157.876	GPS Unit: ArcGIS	GPS Landmark:
Camera: iPhone 5		Photo #s: IMG_2485 to 2488 (4 total)	

Land Use in Drainage Area (Check all that apply):

☐ Industrial

☐ Commercial

Other: Pier 35 Construction, FM 200

Known Industries: _____

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"	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*		* Outfall not visible	
Flow Description (If present)	Constant: ☐ Trickle ☐ Moderate ☐ Substantial Tidal: ☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume			
	Time to fill			
☐ Flow #2	Flow depth		In	
	Flow width	0' "	Ft, In	
	Measured length	0' "	Ft, In	
	Time of travel		Sec	

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: No specific source, v/large quantities of SW discharge to harbor			☐ Illicit Discharge (Trigger to Obvious)
Other Observations	Construction perimeter BMPs (silt fence / berm) appeared effective.				

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 RECONNAISSANCE INVENTORY FORM

Section 1: Background Data

Outfall ID: D4450		Today's date / Time (Military): 08/24/15 1003	
Investigators: M. Moore / J. Zhang			
Temperature (°F): 86	Rainfall (in.): Last 24 hours: 4.45	Last 72 hours: 0.03	
Latitutde: 21.315817	Longitude: -157.876778	GPS Unit: Arc GIS	GPS Landmark:
Camera: iPhone 5		Photo #s: IMG_2489 + IMG_2490	

Land Use in Drainage Area (Check all that apply):

☐ Industrial

☐ Commercial

Other: Pier 35 Construction, FM 400

Known Industries: _____

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☑ Closed Pipe	☑ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☑ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☑ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"	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*		* Outfall not visible	
Flow Description (If present)	Constant: ☐ Trickle ☐ Moderate ☐ Substantial Tidal: ☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume			
	Time to fill			
☐ Flow #2	Flow depth		In	
	Flow width	0' "	Ft, In	
	Measured length	0' "	Ft, In	
	Time of travel		Sec	

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: No specific source, large quantities of SW entering harbor.			☐ Illicit Discharge (Trigger to Obvious)
Other Observations	Construction perimeter BMPs appeared effective.				

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 RECONNAISSANCE INVENTORY FORM

Section 1: Background Data

Outfall ID: D 4370		Today's date / Time (Military): 08/24/15 1004	
Investigators: M. Moore / J. Zhang			
Temperature (°F): 86	Rainfall (in.): Last 24 hours: 4.45	Last 72 hours: 0.03	
Latitutde: 21.315037	Longitude: -157.877207	GPS Unit: Arc GIS	GPS Landmark:
Camera: iPhone 5		Photo #s: IMG_2491 to 2492 (2 total)	

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Commercial
- Other: Pier 35 Construction,

Known Industries: _____

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☑ Closed Pipe	☑ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☑ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☑ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 42"	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*		* Outfall not visible	
Flow Description (If present)	Constant: ☐ Trickle ☐ Moderate ☐ Substantial Tidal: ☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume			
	Time to fill			
☐ Flow #2	Flow depth		In	
	Flow width	0' "	Ft, In	
	Measured length	0' "	Ft, In	
	Time of travel		Sec	

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: No specific source, large quantities of SW entering harbor.			☐ Illicit Discharge (Trigger to Obvious)
Other Observations	Construction perimeter BMPs appeared effective. Site's detention basin appeared at capacity and a slight overflow was observed. A sheen was visible on the water in the basin and although a source could not be identified, Watts Contractors used oil only pads to remove it from the water.				

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 RECONNAISSANCE INVENTORY FORM

Section 1: Background Data

Outfall ID: D 3590		Today's date / Time (Military): 08/24/15 1024	
Investigators: M. Moore / J. Zhang			
Temperature (°F): 86	Rainfall (in.): Last 24 hours: 4.45	Last 72 hours: 0.03	
Latitude: 21.312084	Longitude: -157.875281	GPS Unit: Arc GIS	GPS Landmark:
Camera: iPhone5		Photo #s: IMG_2494 + 2495	

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Commercial Pier 31
- Other: Construction boring * Inspection of upstream drains

Known Industries: _____

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 18"	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*		* Outfall not visible	
Flow Description (If present)	Constant: ☐ Trickle ☐ Moderate ☐ Substantial Tidal: ☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume			
	Time to fill			
☐ Flow #2	Flow depth		In	
	Flow width	0' "	Ft, In	
	Measured length	0' "	Ft, In	
	Time of travel		Sec	

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					

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 RECONNAISSANCE INVENTORY FORM

Section 1: Background Data

Outfall ID: D2300		Today's date / Time (Military): 08/24/15 1034	
Investigators: M. Moore / J. Zhang			
Temperature (°F): 86	Rainfall (in.): Last 24 hours: 4.45	Last 72 hours: 0.03	
Latitutde: 21.313388	Longitude: -157.867154	GPS Unit:	GPS Landmark:
Camera: iPhone 5		Photo #s: IMG_2497 + 2498	

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☑ Commercial
- Other: _____

Known Industries: Leo Ohai (Potential High Risk Tenant)
Pier 18

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☑ Closed Pipe	☑ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☑ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☑ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 30"	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*		☒ Outfall not visible	
Flow Description (If present)	Constant: ☐ Trickle ☐ Moderate ☐ Substantial Tidal: ☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume			
	Time to fill			
☐ Flow #2	Flow depth		In	
	Flow width	0' "	Ft, In	
	Measured length	0' "	Ft, In	
	Time of travel		Sec	

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: Vegetation	☐ 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: No source visible other than Numana stream discharge of large quantities of silt			☐ Illicit Discharge (Trigger to Obvious)
Other Observations	No indications of illicit discharge from tenant site. Indicators above apply to harbor water and not the outfall.				

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 RECONNAISSANCE INVENTORY FORM

Section 1: Background Data

Outfall ID: D 2200		Today's date / Time (Military): 08/24/15	
Investigators: M. Moore / J. Zhang			
Temperature (°F): 86	Rainfall (in.): Last 24 hours: 4.45	Last 72 hours: 0.03	
Latitutde: 21.311746	Longitude: -157.865400	GPS Unit: ArcGIS	GPS Landmark:
Camera: iPhone 5		Photo #s: IMG_2500 to 2509 (10 photos)	

Land Use in Drainage Area (Check all that apply):

☐ Industrial

☐ Commercial

Other: Construction Pier 12/15

* Gates locked, observations made where possible

Known Industries: _____

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☑ Closed Pipe	☑ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☑ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☑ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 8"	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*		* outfall not visible	
Flow Description (If present)	Constant: ☐ Trickle ☐ Moderate ☐ Substantial Tidal: ☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume			
	Time to fill			
☐ Flow #2	Flow depth		In	
	Flow width	0' "	Ft, In	
	Measured length	0' "	Ft, In	
	Time of travel		Sec	

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: Vegetation	☐ 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: No source visible other than Nuisance Stream discharge at SW			☐ Illicit Discharge (Trigger to Obvious)
Other Observations	No indications of illicit discharge from Construction at Pier 12. Pier 15 was not visible. Indicators above apply to harbor water and not the outfall.				

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)?

Attachment 15

Tenant Illicit Discharge Investigations

Tenant Illicit Discharge

Tenant Business Name	Date of Incident	Method of Discovery	Description	Action Taken
Sause Bros., Inc.	1/21/2015	Other Observation	On the morning of 1/21/2015 at about 0930 hours, HAR-EE observed two crew members of the HENRY SR, berthed at Pier 27, conduct welding and grinding operations on the vessel. No containment was in place and as a result, metal and paint debris discharged directly into harbor water.	Notified HAR-O. HAR-O(1/26/2015) and HAR-EE(2/4/2015) issued letters to Sause Brothers, Inc.
United Fishing Agency, Ltd.	5/7/2015	Outfall Inspection	On the morning of May 7, 2015 at about 1000 hours, Ms. Katie Davis, CISEC, of EnviroServices and Training Center (ETC), and Ms. Ying Zhang, of our Harbors Division Engineering Branch Environmental Section observed a trash bin (Photo 1) placed above the path of water flowing from melting ice. Pieces of litter from the bin and what appeared to be bits of tire rubber collected in a pool of water adjacent to the trash bin (Photo 2) and made its way to the trench drain across the street (Photo 1). Debris flowing into a storm drain is an illicit discharge. This situation is a potential violation of UFA's LEASE H-03-17, Paragraph 29, SANITATION; MAINTENANCE OF PREMISES.	A written warning was issued to UFA on June 18, 2015 and UFA responded with a letter dated July 6, 2015.
Alaska Marine Lines	6/12/2015	Other Observation	One of AML's ISO tanks, containing ferric chloride, spilled on June 12, 2015. Approximately 40 gallons of ferric chloride solution spilled on the cement before the tank being moved into a containment barricade. ISO tank continued to leak another 80 gallons.	All of the product in containment was transferred into another ISO tank along with the reminder of the original tank. No product went in the water or storm drain. PENCO was contacted for cleanup. AML contacted DOH and Harbors OC6 (Billy Lee).

Tenant Illicit Discharge

Tenant Business Name	Date of Incident	Method of Discovery	Description	Action Taken
Ohai, Leo A.	7/22/2015	Notice of Violation	On July 22, 2015, at approximately 1248 hours, one of Ohai staff, Mr. Phuoc Quang Nguyen, was witnessed by our District personnel, power-washing a white reefer at facility on Pier 18 (Photo 1). Around 1320 hours, Mr. Bryson Hodgins, Harbor Agent of Harbors Division Oahu District Office, and Ms. Michele Freitas, Environmental Health Specialist, and Ms. Ying Zhang, Environmental Engineer, of our Harbors Division Engineering Branch Environmental Section, arrived on-site and observed several liquid flow paths leading to an adjacent storm drain inlet (in the parking lot of Harbors Custodial Offices; Photo 2) that appeared to be clogged with bloody wastewater (Photo 3). As this drain inlet discharges directly into Honolulu Harbor, there was, evidently, a non-stormwater discharge that poses a risk to the environment, an illicit discharge. No active flows were observed at the time of investigation. However, the ambient air in the area was filled with the stench of rotted fish. This situation, if not rectified immediately, would pose a threat to the health of general public; and constitutes a violation of Paragraphs 3.b, 26.a, 27, and 32.g of Harbors Lease H-99-3. While on site, Harbors staff also observed two of the municipal trash bins placed adjacent to the permitted premises full of discarded decaying fish emitting an objectionable odor (Photo 4). One of the tags attached to the fish read "LIBRA" (Photo 5). Residual reddish liquid from the discarded fish leaked out of the trash bins from the bottom and stained the pavement (Photos 6 and 7). A few	Mr. Hodgins of Harbors District office was working closely with Mr. Ohai to cleanup the impacted pavement, drain inlets, and trash bins. Based on the information provided by Mr. Hodgins, the odor started to dissipate on the third day since the occurrence. HAR-EE issued NAV enforcement letter (dated XX/XX/XXXX) to the responsible party.
University of Hawaii	9/21/2015	Other Observation	On September 21, 2015, HAR-EE received phone call from Mr. Ross Barnes about a grey water spill of 100 gallons at Pier 45 around 0915. During gray water off loading from vessel to land-side holding station, a broken wire caused malfunction of a switch, which resulting in holding tank (partially underground) overfilled. The spilled gray water reached one of the storm drains (DI 7584).	Upon discovery, UHMC personnel immediately shut off the valve and stopped the spill from the resource. It was raining at the time. No spill cleanup actions were taken at the time. Mr. Barnes reported the incident to NRC and HAR-EE.

Attachment 16

SHOT Form IDDE Investigations

Miscellaneous Discharges

Date of Incident	Time	Caller Name	Caller Company	Occurance Information	Location	Substance	Responsible Party	Description	Clean-up Actions	Further Notifications and Follow Up
1/12/2015	0815	Clarence Kimura	HAR-OCT	Discharge Reporting	Pier 16	Mixed petroleum substances	Unknown	Fishing Vessel Judy K moored at Honolulu Harbor Pier 16 has sunk on 1/12/2015 at about 0300 hours according to witness Denni Abier, crew member for the fishing vessel Rising Phoenix II. Vessel Judy K is leaking heavy amounts of oil and an oil sheen is reported to be seen from Pier 16 to U.S. Coast Guard Station Honolulu, Refer to Harbor Police Report HFR15-0038.	USCG notified PENCO for emergency action to contain the oil leak. PENCO has placed an oil containment boom around the sunk vessel to further prevent outbreak.	USCG, Harbor Master Todd Offutt, Harbor Police, and HAR-EE. Based on information provided by USCG on-site coordinator, a towing service will be contracted to remove the sinking boat from the Harbor.
1/13/2015	1100	Ronald Kawika Agpalsa	HAR-OE	Discharge Reporting	Pier 17	Red film	Unknown	Red film was observed in the harbor. The cause remained unknown.	None, waiting for HAR-EE investigate.	On the above mentioned time, date, and location, Hawaii pilots called Aloha Tower regarding a "red film" in the water at Pier 17. Officers CHU and AGPALSA arrived on scene at about 1110 hrs and verified there was a red film 10' x 6' at the bow of the fishing vessel Triple Dragon. Initial observations appear to be rust or sediment. Officers were unable to locate the origin of the red film. HAR-OE, HAR-OC9, USVG was onsite performing inspections and they were apprised of the finding. Some unknown film diguised.

Miscellaneous Discharges

Date of Incident	Time	Caller Name	Caller Company	Occurance Information	Location	Substance	Responsible Party	Description	Clean-up Actions	Further Notifications and Follow Up
1 /22/2015	1620			Discharge Reporting	Water Near KBPH	Tugboat Nalani carrying 75,000 gallons of diesel fuel.	Unknown	Tugboat Nalani carrying 75,000 gallons of diesel fuel sunk in Kalaeloa Barbers Point Harbor.	Unknown. Currently HDOH and USGS were closely monitoring surrounding beaches for diesel oil spills.	NRC, HDOH, HP, HAR-OC, HAR-EE
1 /27/2015	1448	Bert Toba	HAR-ESP	Discharge Reporting	Pier 11	Frothy white substance on the surface of the water and a mild smell of detergent	Vessel MARE PICENUM	Clean water used for cooling winch during manouvre at the berth was discharged into harbor, generating frothy while substance with a mild smell of detergent.	HAR-O recommends scuppers could be deployed to recapture the water; less water could be used; or a combination thereof to prevent a recurrence during departure.	HAR-EE notified HAR-O. HAR-O followed up with the reporting.
2/19/2015	1015	John S. Dejesus	HAR-OE	Discharge Reporting	Pier 15/16	Large oily type sheen	Unknown	Oil sheen of 100' x 20' was observed in the harbor near FV Christine N and Kaua'I. The cause remined unknown.	N/A	HTC dispatched made proper notification to Harbors Engineering Branch, USCG, N.R.C, and HDOH. Unknown source.
2/19/2015	0715	Nel Miyasato	HAR-OE	Discharge Reporting	Pier 29	A 500-foot oil sheen (did not appear to be fresh)	Unknown	A 500-foot oil sheen (did not appear to be fresh oil) was observed in the harbor. The caused remained unknown.		Per Aloha Tower (F. Gomez), she made all necessary notifications. A 500-foot oil sheen was reported by USCG. Per USCG, American Marine, who has a barge moored at Pier 29, reported the sheen to them. The sheen did not appear to be fresh, and the source is unknown. The sheen eventually will dispersely in the water.

Miscellaneous Discharges

Date of Incident	Time	Caller Name	Caller Company	Occurance Information	Location	Substance	Responsible Party	Description	Clean-up Actions	Further Notifications and Follow Up
2/25/2015	1135	Neal Miyasato	HAR-OE	Discharge Reporting	Pier 6 of KBPH	Hydraulic oil	Snitzer Steel (Mr. Dane Morales)	Company (Snitzer Steel) bulldozer was leaking oil. Unknown amount of hydraulic oil spilled onto concrete pavement.	The entire spill was contained using absorbent pads. No oil went into the harbor. The spill was cleaned up.	Harbor police and PSC Security were notified. The spill was cleaned up.
2 /26/2015	1415	Melissa Caivano	CCH	Discharge Reporting	HECO Plant	White flaky discharge	Unknown	Unknown of white flaky substance was reported to be observed inside one of the drain inlets within HECO plant. The cause remined unknown.	N/A	CCH (Mellissa) HAR-EE personnel conducted a site visit and met with consultant representing HDOT Highways who were investigating the case at the time. The suspected substances were not observed in Harbors storm drain inlets. Emailed CCH of Harbors' investigation results and recommended them to continue with the investigation on their side.
3/17/2015	0953	Agpalsa	HAR-OE	Discharge Reporting	Pier 36	Soap suds about 30 yards (in the water)	Unknown	Soap suds about 30 yards were observed in the harbor. The caused remined unknown.	Suds are dissipating itself.	U3, USCG, HAR-EE, and HDOH (Adams)

Miscellaneous Discharges

Date of Incident	Time	Caller Name	Caller Company	Occurance Information	Location	Substance	Responsible Party	Description	Clean-up Actions	Further Notifications and Follow Up
4 /19/2015	1434	Mark K Hashiro	HAR-OC5	Discharge Reporting	Pier 24	White chipping debris	Barge NOA	White chipping debris were observed in the harbor, cuased by uncontained vessel chipping/needlegun/grinding activities over water.	N/A	HAR-EE received email notification from HAR-O (Todd) on 4/20/2015 0900 hours. Hot work permit was cancelled as a result. Responsible party has been asked to prepare a BMP plan and reapply for hot work permit
5/11/2015	1000	Joseph Weidenbach	Weston	Discharge Reporting	Pier 18; Storm Drain Inlet DI2308; mauka of Leo Ohai Fishing Shed	Petroleum product	Unknown	It appears that an unknown amount of oil may have been poured into storm drain DI 2308 as oil was found in the Witch's Hat storm drain filter and a sheen was observed in the standing water in the storm drain	Used Witch's Hat was removed and disposed of. Sorbent pads were used to clean up small amount of surface oil that was causing the sheen and disposed of. No evidence of impact to downstream inlets and outfall	Weston notifed HAR-EE.
5/31/2015	2120	Chad Nishimura	HAR-OE	Discharge Reporting	Pier 38	Motor oil	Unknown	Fishing village security reported motor leaking oil onto the pier. When Chad arrived and observed a boat motor on a metal stand leaking oil onto the pier apron. The oil was contained with absorbent material. The owner of the motor could not be located.	Absorbent media applied	HTC to contact HAR-OM. Since the leak was cleaned up, no discharge occurred. No followup necessary.
6/5/2015	1159	USCG		Discharge Reporting	Pier 31	White water-based paint	Vessel Kawai	Two gallons of white water-based paint fell into water at Pier 31 from vessel Kwai. About 500' (300 to 500' marker on pier)	Contacted PENCO for cleanup	NRC, DOH, Harbor Police, HAR-OC, MSC-OCSG HAR-EE

Date of Incident	Time	Caller Name	Caller Company	Occurance Information	Location	Substance	Responsible Party	Description	Clean-up Actions	Further Notifications and Follow Up
8/14/2015	0925	R. Agpalsa	HAR-OE	Discharge Reporting	USCG Station Honolulu Pier Fronting USCG Cutter "SHERMAN"	Sheen	Unknown	HAR-OC3 A. Murakami notified HAR-OCT S. Ueda about a 400' sheen coming from USCG Station Honolulu (fronting CGC "SHERMAN") Murakani stated he was contacted by USCG about the incident. Officer Dejusus and I performed checks via HP patrol boat of the Honolulu Harbor basin. There was no sign of a sheen from our vantage point. USCG Comm. Center related that they had notified the NRC regarding the incident	Informed via USCG Comm. Center that clean-up action is taking place.	None
8/14/2015	0925	R. Agpalsa	HAR-OE	Discharge Reporting	USCG Sand Island Station	Sheen	Unknown	HAR-OC3 (A. Murakami) notified HAR-OCT S. Ueda about a 400 ft sheen coming from USCG Station Honolulu (fronting CGC "Sherman") Murakami stated he was contacted by USCG about the incident. Office Dejesus and Agpalsa performed checks via HP patrol boat of the Honolulu Harbor basin. There was no sign of a sheen from their vantage point. USCG Comm. Center related that they had notified the NRC regarding the incident	Informed via USCG Comm. Center that clean-up action is taking place.	none
8/27/2015	0925	K. Kono		Discharge Reporting	Pier 38	Fiberglass	PRAVST, Miha	DLNR received at call of a person discharging fiberglass by Nicos. Upon arrival, observed a male sanding the stern of fishing vessel Hachi 8. A white in color substance was observed in the water off the stern. Two photos attached.	PRAVST stopped all sanding.	Aloha Tower and Unit 9 were notified

Miscellaneous Discharges

Date of Incident	Time	Caller Name	Caller Company	Occurance Information	Location	Substance	Responsible Party	Description	Clean-up Actions	Further Notifications and Follow Up
8 /31/2015	1255	Spencer Yim	HAR-EE	Discharge Reporting	Piers 11 and 12	Oily Sheen	HECO Substation crew	Michael Howells (HAR-EP) reported observing an oily sheen entering the Harbor along Nimitz Hwy between Piers 11 & 12. He also reported that a contractor was pumping out a manhole across Nimitz Hwy and discharging it to a nearby storm drain. Spencer of HAR-EE immediately went outside to the Harbor site (which is adjacent to our Harbors bldg.) to verify - but could not see a visible sheen. Apparently, it had flowed into the harbor and dissipated. Spencer went to the contractor work site across Nimitz Hwy in front of Topa Financial Tower and found that a HECO substation crew was pumping water from an underground electrical vault at that location. He spoke to Mr. Chester Oshima (HECO Substation Technician; Ph. 292-2763) who explained that they needed to pump down the water in the vault to allow them to work. After he explained that an oil sheen had been observed in the Harbor that appeared to come from their pumping operation, Mr. Oshima stated that they would ensure that they only pumped from below the water surface in the vault (i.e., not pump to the vault bottom) and would remove the visible oily sheen in the vault with sorbent	Sorbent pads were used to remove surface oily sheen. Pump suction was kept below the water surface in the underground electrical vault	None. No oily sheen remained

Miscellaneous Discharges

Date of Incident	Time	Caller Name	Caller Company	Occurance Information	Location	Substance	Responsible Party	Description	Clean-up Actions	Further Notifications and Follow Up
10/5 /2015	0815		HAR-OCT	Discharge Reporting	Pier 11/12 Parking garage	Hydraulic oil	Harbors Division Sand Island Baseyard	Approximately 30 gallons of hydraulic oil (mineral based; Shell Tellus Oil 68) leaked to the ground from sweeper F839 due to mechanical failure.	HAR-OCG unit personnel visually inspected SDIHO111744 and took remediate actions right away. No hydraulic oil was spilled into the drain. Approximately 200 oil absorbent pads and 11 bags of absorbent powder were used to clean up the spill. Street sweeper was used to pick up loose powder.	HAR-EE, HAR-HTC, and Harbor Master/District Manager were notified. HAR-EE visited the site. Based on the field observation and Robert's investigation, no hydraulic oil flew into the storm drain.
10/14/2015	1138	Unknown		Discharge Reporting	Pier 15	Rainbow colored sheen	Unknown	Rainbow colored sheen. Possible course: old pipe under the pier	Unknown	National Response Center; HDOH HEER Office; Harbor Police; HAR-EE
10/19/2015	1205	Alan Murakami	HAR-OC3	Discharge Reporting	Pier 15	Hydraulic oil	Unknown	Approximately 1 pint Hydraulic oil spill in the water at Pier 15. Unknown source	Unknown	Notified NRC, DOH, Harbor Police, and OC9, and left message on Randal's Phone (HAR-EE)
11/4 /2015	1750	Avery Jaena	HAR-OE	Discharge Reporting	Pier 53	Hydraulic oil	Matson Vessel "Kauai" at Pier 53.	Avery was sent via dispatch to an oil spill surrounding the vessel "KAUAI" at pier 53. Captain Mike McDevitt reported while doing pretest for departures the crew noticed a discharge of oil from the ships BOW THRUSTERS. Coast Guard on scene at about 1800 hours PO Z. SMITH and PO S. THOMAS. Matson Operations Manager Dave THOMPSON on scene at about 1800 hours. Chiefmate stated approximately 40 gallons of light hydraulic fluid.	Cause of discharge was unknown at the time of this report, but started at about 1730 hours when the Matson vessel "Kauai" was testing their BOW THRUSTERS. PENCO was on scene at about 1815 hours setting up oil adsorbing booms.	HAR-EE and HTC at about 1754 hours.

Miscellaneous Discharges

Date of Incident	Time	Caller Name	Caller Company	Occurance Information	Location	Substance	Responsible Party	Description	Clean-up Actions	Further Notifications and Follow Up
12/30/2015	8:16	Robert McLean	HAR-OCG	Complaint	Pier 11	Oil Sheen	Unknown	There is a 25 yard by 10 uard oil "sheen"/spill coming from under the pier at Pier 11 between 250' & 300' pier marker. There are old oil containment cement boxes in the area	Unknown	HAR-EE was notified and visited Pier 11 around 1030. Thin sheen is still visible from the 100 foot to 500 foot markers. Too thin and dispensed to retrieve. Source is not apparent. May have drifted from a spill elsewhere in harbor. Very little wind in the morning.
12/3 /2015	7:00	Stacey Gray	Weston	Discharge Reporting	Pier 11 Shed	Oily liquid	Unknown	GID Data Gaps camera crew opened "Storm Drain" manhold cover and found oily liquid (with strong odor) in a concrete lined pit with a corroded pipe (about 8" diameter) running through it.	Contacted PENCO	Weston notified HAR-EE around 0830 and 0845, who in turn notified Paul Shimizu and requested PENCO services to test and remove oil substance. PENCO to investigate site in the afternoon. Informed Carter Luke of situation and he concurs with approach to first test and remove oil liquid before the "fix".

Attachment 17

Active Construction Projects Inventory and Inspection Summary

Ala Moana WWPS		
Inspection Date	Type	Summary
1/2/2015	Regular	Portion of sediment control devices surrounding the northwest corner of the stockpile (at Sand Island) were broken down and need to be repaired (Photos 3 and 4). Please properly dispose of wastes accumulated at all three sites on a timely basis. Inspection at Ilalo Street and Pier 1 construction sites have been suspended. Only Sand Island Staging area has been inspection this time. Good general housekeeping practices shall continue be carried throughtout the project at all construction sites.
1/21/2015	Regular	Portion of sediment control devices surrounding the northwest corner of the stockpile (at Sand Island) were broken down and need to be repaired (Photos 4 and 5). Please properly dispose of wastes accumulated at all three sites on a timely basis. Inspection at Ilalo Street and Pier 1 construction sites have been suspended. Only Sand Island Staging area has been inspection this time. Good general housekeeping practices shall continue to be carried throughtout the project at all construction sites.
1/30/2015	Regular	Portion of sediment control devices surrounding the northwest corner of the stockpile (at Sand Island) were broken down and need to be repaired (Photo 4). Please properly dispose of wastes accumulated at all three sites on a timely basis. Inspection at Ilalo Street and Pier 1 construction sites have been suspended. Only Sand Island Staging area has been inspection this time. Good general housekeeping practices shall continue to be carried throughtout the project at all construction sites.
2/12/2015	Regular	Portion of sediment control devices surrounding the northwest corner of the stockpile (at Sand Island) were broken down and need to be repaired (Photo 20). Inspection resumed at Ilalo Street and Pier 1 sites. Please properly dispose of wastes accumulated at all three sites on a timely basis. Significant quantities of fine soil particles were observed surrounding and covering one of the storm drains (Photo 7). Please cleanup this area and replace the fabric insert for drains. Oil stains were observed near the traffic barriers surround the shaft on Ilalo Street (Photo 9). Please cleanup the oil stains on a timely basis and to the extent that it will not generate a sheen when it rains. As a routine practice, place absorbent material underneath any vehicle/equipment while staged on-site.
2/27/2015	Regular	Minor tire tracks were observed on Forrest Avenue (Photo 1). Please cleanup sediments tracked out to Forrest Avenue on a regular basis. Portion of sediment control devices surrounding the northwest corner of the stockpile (at Sand Island) were broken down and need to be repaired (Photo 20). Keep up good housekeeping practice(s) and dispose of waste accumulated at all three sites regularly (Photo 19). Please note that allowing hand-wash water flow freely to the pervious ground and near storm drain inlets without any proper containment is strongly discouraged. We strongly suggest that any wash water generated at all sites be properly contained and disposed of.

Ala Moana WWPS		
Inspection Date	Type	Summary
3/16/2015	Regular	Minor tire tracks were observed on Forrest Avenue (Photo 1). Please cleanup sediments tracked out to Forrest Avenue on a regular basis. Biosocks installed along Forrest Avenue started to show signs of deterioration (Photo 6). Deposits of leaves and other litter were observed in the drain inlets on Ilalo Street adjacent to the construction site on the south (Photo 7). Replace these sediment control devices when necessary to prove their efficiency. Keep up good housekeeping practice(s) and dispose of waste accumulated at all sites regularly. Please note that allowing hand-wash water flow freely to the pervious ground and near storm drain inlets without any proper containment is strongly discouraged. We strongly suggest that any wash water generated at all sites be properly contained and disposed of. Small pile of construction material stored by the concrete batching plant (Photo 8), if cannot be used up by the end of the day, should be covered. The area shall be swept regularly to minimize sediment being tracked off-site.
3/30/2015	Regular	Minor tire tracks were observed on Forrest Avenue (Photo 2). Please cleanup sediments tracked out to Forrest Avenue on a regular basis. Biosocks installed along Forrest Avenue started to show signs of deterioration (Photo 6). Keep up good housekeeping practice(s) and dispose of waste accumulated at all sites regularly.
4/21/2015	Regular	Dispose of waste accumulated at all sitely regularly. Keep spill kit(s) on site at all times and ensure they are readily accessible. Biosocks installed along Forrest Avenue started to show signs of deterioration (Photo 6). Please replace these biosocks. Keep up good housekeeping practice(s) and dispose of waste accumulated at all sites regularly.
6/5/2015	Regular	Tire tracks were observed on common area at Pier 1 (Photo 9). Please clean up the tire tracks on a regular basis (e.g., by the end of each working day). Biosocks installed along Forrest Avenue showed signs of deterioration (Photo 6). Please replace these biosocks. A chemi-toi was stationed right by one of the storm drain inlet (Photo 5). It is recommended that the chemi-toi be relocated at least 50 feet away from the drain inlet. Keep good housekeeping practice(s) and waste accumulcated at all project sites should be properly disposed of on a timely basis.

Ala Moana WWPS		
Inspection Date	Type	Summary
7/6/2015	Regular	Tire tracks were observed on common area at Pier 1 (Photo 2). Please clean up the tire tracks on a regular basis (e.g., by the end of each working day). Project boundary for Pier 1 Construction site has been altered to accommodate the request received from container yard user (The Pasha Group). Dust fence along the north corner and south boundary have been removed (Photos 8, 10, 11, and 12). Biosocks and concrete barriers are setup in place instead. The shaft area has been filled up to approximately six to seven feet below ground surface (Photo 13). The dust fence post foundations have been filled up and patched with asphalt pavement. Please update the SWPPP to reflect the changes made to the site according to HAR 11-55 Appendix C, Section 7.4. Note that the construction site is not fully surrounded by dust fence, it could become a potential safety issue. Please provide necessary safety measures to the container users and their employees. Please keep up the good housekeeping practice(s).
9/15/2015	Regular	Please clean up the tire tracks on a regular basis (e.g., by the end of each working day). The dust fence post foundations have been cut. Note that the construction site is not surrounded by dust fence, there comes a potential safety issue. Please provide necessary safety measures to the container users and their employees. Please keep up the good housekeeping practice(s). It is anticipated the project at Pier 1 be finished by end of this September. By then, the Pier 1 site should be restored to the condition that existed prior to the project and in a manner satisfactory to the Department of Transportation, and the site should be cleaned of any refuse and debris (as required in the Right-of-Entry dated June 8, 2011). The installed filter fabric inside each drain inlet should be removed afterwards.
10/15/2015	Regular	Please clean up the tire tracks on a regular basis (e.g., by the end of each working day). Please keep up the good housekeeping practice(s) at both sites. Pier 1 Construction site was partially repaved at the time of the inspection (Photo 7). Please keep Harbors Environmental Section notified when the site is ready for final inspection. Regular inspection temporarily suspended since then.
11/23/2015	Regular & Final	Cancelled due to the heavy rain.
11/30/2015	Regular & Final	Maintain Forrest Avenue ingress/egress when necessary. Please clean up tire track on Forrest Avenue on a timely basis. Project site at Pier 1 has been paved over and restriped (Photo 8). No further BMP inspections at Pier 1 are necessary. Project is still ongoing on Ilalo Street. However, both areas along the storm trench drain are stabilized and pending final layer of pavement. Therefore, no further BMP inspection will be conducted until it is ready for final inspection. Please keep up the good housekeeping practices.

Atlantis Pier 27		
Inspection Date	Type	Summary
1/9/2015	Regular	Contaminated soil was encountered during recent trenching project for fire hydrant line. Contaminated soil has been stored at designated location, segregated from the clean soil and placed on 10-mil plastic sheet & covered. All previous on-site trenches have been patched with concrete and stabilized. The only open trench is the fire line northwest of the site. Therefore, Construction Site BMP Inspections are temporarily suspended until the final site inspection. However, Harbors inspectors will continue their regular inspection at stockpile storage location until all Atlantis stockpiles be properly disposed of off-site. All BMPs currently implemented on-site shall be left in place and maintained properly until the project pasts the final inspection. As crew member continues to backfill the trench using the clean soil temporarily staged on the south tip of the pier, regular sweeping (e.g., sweeping as needed and by the end of each construction day) shall be conducted to keep the entrance to stockpile clean and neat. Additionally, while not in use, please place absorbent materials underneath the wheeled loader parked by the stockpile (photo 6).
1/21/2015	Regular	Contaminated soil was encountered during trenching for fire hydrant line. Contaminated soil has been stored at designated location, segregated from the clean soil and placed on 10-mil plastic sheet & covered. No tire tracks observed near stockpile storage location. As crew member continues to backfill the trench using the clean soil temporarily staged on the south tip of the pier, regular sweeping (e.g., sweeping as needed and by the end of each construction day) shall be conducted to keep the entrance to stockpile clean and neat. Additionally, while not in use, please place absorbent materials underneath the wheeled loader parked by the stockpile (photo 1).Keep up good housekeeping practice(s).
1/30/2015	Regular	Based on field observations on 1/30/2015, former open trench for the fire line has been filled in and patched up and the whole site has been stabilized. Sandbags placed along the pier face have been removed. However, a recent incident at nearby Harbors wastewater pump station revealed a possible leaking situation at its sewer connection to Harbors main sewer line and the leak needs to be fixed. Please notify IDPP prior to any excavation and apply approriate BMPs during excavation. Harbors regular construction site BMP inspection will be continued until construction is completed. No tire tracks observed near stockpile storage location. Only two small stockpiles were observed on-site and covered (Photo 5) at the time of inspection. As crew member continues to move stockpile, regular sweeping (e.g., sweeping as needed and by the end of each construction day) shall be conducted to keep the entrance to stockpile clean and neat. Please minimize debris over-spead to adjacent covered contaminated stockpile. Additionally, while not in use, please place absorbent materials underneath the wheeled loader parked by the stockpiles.Keep up good housekeeping practice(s).

Atlantis Pier 27		
Inspection Date	Type	Summary
2/25/2015	Regular	It is anticipated that petroleum contaminated soil [PCS] be encountered during sewer line repair work starting 2/26/2015. To minimize waste disposal cost and reuse recyclable construction material, please ensure to segregate the excavated PCS away from the clean soil. DO NOT add any newly excavated PCS to the stockpile (managed by IDPP) currently stored at the south tip of Pier 27. The PCS stockpile shall be underlain with 10-mil plastic sheeting, covered by the end of the day, if not being used as refill, and bermed around to minimize pollution migration. Any generated clean stockpile shall be covered and bermed around by the end of the day, if not being used as refill. The BMP inspection has been resumed at the site to ensure that proper BMPs be installed in place to prevent potential contaminants from being carried away off-site, prior to the planned sewer line repair work. Maintain good housekeeping practice(s) throught the repair work.
6/24/2015	Final	Contaminated soil have been removed from the site. Regular inspections were suspended during sewer line repairing phase, since the repair works could only be conducted when the tides were low and were ongoing sporadically. Another HAR-EE member (Spencer Yim) was observing the reparing process all the time. The tenant had been implementing the required BMPs. This report documents the final inspection right after tenant has completly moved in.

HC10370 KMR Demo		
Inspection Date	Type	Summary
1/3/2015	Regular	All drain inlets are visible and are "clean" - appear well-maintained. Note: Demolition material secured - not blowing (apparently) despite high-wind alerts.
1/5/2015	Regular	Three inlets need to be cleaned. Three inlets need to be rewapped.
1/20/2015	Regular	Drain inlets need cleaning (corrected on 1/22/2015). Vehicle leaking oil (ongoing).
2/11/2015	Regular	Mirafi on drain inlets to remain. Biosocks to be removed. Dust control satisfactory. And general condition improved. Less sediment debris. Clean oil spots. Spill kit on-site. B905 transformer clean-up. PCB remediation planning in progress.
2/26/2015	Regular	Vehicle/Equipoment maintenance conducted on concrete pad storage area. No oil spots, spills. Excavation surrounded by biosock. PCB contaminated materials are bagged.
3/11/2015	Regular	No tracking. Biosocks in place. Hazardous material bagged for shipment. Area clean.
3/26/2015	Regular	Metal grate trap in place. No mud/tracking. Perimeter biosocks in place and Mirafi at drain inlets. Bagged PCB excavation stored for shipment/disposal.
4/16/2015	Regular	Excavated clean material stored on concrete pad. Removed PCB contaminated hazardous waste. At ex-building 905, PCB from vandalized transformer - Remedial action report. NRC incident report (EPA/DOH) No. 1110148
4/30/2015	Regular	Bagged excavation material staged for shipment - storage areas concrete & clean. New fill material stored on-site. All drain inlets clean.
5/6/2015	Regular	No mud/tracks. No tracking. Equipment stored over concrete pad. No spills, leaks, or oil stains. Biosocks around fill material. PCB excavation bagged. No leaks.
6/11/2015, 6/12/2015	Regular	Excavation storage clean. New aggregate/soil clean and contained via biosock.
7/8/2015, 7/9/2015	Regular	New fill material contained via biosock.
8/8/2015	Regular	Construction Ingress/Egress flooded at most areas. Perimeter sock half under water. However, subsequent visits show drains functioned. New fill material at former Bldg 905 location contained via biosock.
9/18/2015	Final	Construction Ingress/Egress demobilized. Vehicle/Equipment maintenance demobilized. All aggregate materials removed. After completion of Bldg 905 excavation fill, substantial completion of all work (as of 9/17/2015).

HC10551 Matson		
Inspection Date	Type	Summary
4/7/2015	Regular	Nearest storm water trench drain is beneath the stacked shipping cargo containers. Upon inquiry, contractor stated that adjacent storm water drain/inlets, if there is any, would be protected prior to the start of the job. No designated fueling area for equipment. Recommend fueling the equipment in staging area and have spill kit readily available in case of spill/leak, Keep up good housekeeping practices and comply with requirements under the NPDES permit (e.g.,
6/2/2015	Final	Pavement in place.

HMP20907 Piers 12 & 15		
Inspection Date	Type	Summary
3/25/2015	Initial	Storm drain inlet protection along Nimitz Hwy was not installed. Contractor indicated that they are going to delay installation until work in the area is conducted due to concerns with vehicle traffic damaging the BMPs. This change in installation practice should be noted in the BMP plan. This was an initial inspection, so Contractor did not have training or inspection documents. It was noted that these should be available during the next inspection. Inspector training for individuals named on the attached sign-in sheet.
4/10/2015	Regular	HHCJV indicated that they will place biosock along the ocean-side limits of the building area when partial demolition of the building is in progress, and will remain in place during micropile drilling and installation. Chemicals and paints are not yet on site, however HHCJV indicated that they will bring a storage locker to house these items later, and plan to situate the locker under the existing building roof. Ongoing activities include installation (welding) of metal trusses and bracing to existing building roof. Partial demolition of the building will follow, then micropile drilling and installation, at Pier 15. Contractor's Weekly BMP Self-Inspection reports were not available. YKE will follow at the next project progress meeting on 4-16-2015.

HMP20907 Piers 12 & 15		
Inspection Date	Type	Summary
6/15/2015	Regular	Pier 12 stabilized ingress/egress did not require maintenance as site is idle. Pier 15 stabilized entrance has been rendered unusable due to pile installation, to be used as loading zone only. Contractor reminded to sweep fines back in towards project work area. See Photos 3 and 12 Exposed areas; excavations for future slabs-on-grade, are depressed below grade to retain runoff and sediments. See Photos 2, 7 and 10. Stockpiles of excavated material are covered with plastic sheeting, with the bases encircled with biosock. See Photos 5 & 6. Pier 12: Contractor to label water tanks as "non-potable water". Drums containing grout admixture to be provided with secondary containment or removed from site. See Photo 1. Pier 15: Containers containing muck/mud, from micropile drilling, to be labeled. See Photo 11. Ongoing activities include excavation for future parking/loading slab footprint within existing building, as well as setting up load frame to conduct Static Load Test on test pile, at Pier 15. No work in progress at Pier 12. Contractor's Weekly BMP Self-Inspection reports were available for inspection, BMP report to be updated reflect Comment E (for Pier 15). Turbidity curtain has been placed offshore on north side of Pier 12 to contain silt which emerged from the sea floor during micropile drilling. See Photo 4.
8/17/2015	Regular	Exposed areas; excavations for future slabs-on-grade, are depressed below grade to retain runoff and sediments. Stockpiles of excavated material are covered with plastic sheeting, with the bases encircled with biosock. Debris located on the floor at Pier 12. Contractor asked to remove any unnecessary debris. Pile installation at Pier 15 and Micropile installation at Pier 12.
10/15/2015	Regular	Exposed areas; excavations for future slabs-on-grade, are depressed below grade to retain runoff and sediments. Stockpiles of excavated material are covered with plastic sheeting, with the bases encircled with biosock. Pile installation at Pier 15. Preparation for concrete slab at Pier 12.
10/30/2015	Regular	Storm drain inlet protection along Nimitz Hwy was not installed. Contractor indicated that they are going to delay installation until work in the area is conducted due to concerns with vehicle traffic damaging the BMPs. This change in installation practice should be noted in the BMP plan.

HMP20907 Piers 12 & 15		
Inspection Date	Type	Summary
11/12/2015	Regular	Per HHCJV, Pier 15 construction ingress/egress has been removed for preparation of pavement work. Pier 12 construction ingress/egress does not require maintenance at this time due to inactivity at this project site. Exposed areas at Pier 12; excavations for future slabs-on-grade, are depressed below grade to retain runoff and sediments. After installation of future slab on grade, contractor will be required to place bio-socks around work area. Stockpiles of excavated material are covered with plastic sheeting, with the bases encircled with biosock. Trash bin at Pier 12 was observed open (most likely due to the wind). The trash bin was closed and the contractor rotated the trash bin to prevent the wind from blowing open the lids. It was also noted that the pavement area surrounding Pier 12 will require maintenance by sweeping up loose debris. Ongoing activities include pile driving and roofing of an existing building at Pier 15. No work in progress at Pier 12.
11/25/2015	Regular	Per HHCJV, Pier 15 construction ingress/egress has been removed for preparation of pavement work. Vehicle tracking was observed on Nimitz Highway. HHCJV was instructed to clean in. Pier 12 construction ingress/egress does not require maintenance at this time due to inactivity at this project site. Vehicle tracking was observed on Nimitz Highway outside Pier 15. HHCJV was instructed to clean up the area. Exposed areas at Pier 12; excavations for future slabs-on-grade, are depressed below grade to retain runoff and sediments. After installation of future slab on grade, contractor will be required to place bio-socks around work area. Stockpiles of excavated material are covered w H. ith plastic sheeting, with the bases encircled with biosock. It was also noted that the pavement area surrounding Pier 12 will require maintenance by sweeping up loose debris. HHCJV reported that Pier 12 project site will become active soon and maintenance will be more regular. Ongoing activities include pile driving at Pier 15. No work in progress at Pier 12.

HMP20907 Piers 12 & 15		
Inspection Date	Type	Summary
12/10/2015	Regular	Per HHCJV, Pier 15 construction ingress/egress has been removed for preparation of pavement work. Vehicle tracking was observed on Nimitz Highway. HHCJV was instructed to clean in. Pier 12 construction ingress/egress does not require maintenance at this time due to inactivity at this project site. Vehicle tracking was observed on Nimitz Highway outside Pier 15. HHCJV was instructed to clean up the area. HHCJV mentioned that, if area becomes an issue, small gravel / sand will be used to fill in low spots. Exposed areas at Pier 12; excavations for future slabs-on-grade, are depressed below grade to retain runoff and sediments. After installation of future slab on grade, contractor will be required to place bio-socks around work area. Stockpiles of excavated material are covered w H. ith plastic sheeting, with the bases encircled with biosock. For Pier 15, near water spigot, dishwashing liquid was observed. HHCJV was instructed that is this area is regulary used for washing anything, a bucket must be used to collect wash water. It was also noted that the pavement area surrounding Pier 12 will require maintenance by sweeping up loose debris. HHCJV reported that Pier 12 project site will become active soon and maintenance will be more regular. Ongoing activities include concrete work at Pier 15. No on-land work in progress at Pier 12.

HMP20907 Piers 12 & 15		
Inspection Date	Type	Summary
12/23/2015	Regular	Per HHCJV, Pier 15 construction ingress/egress has been removed for preparation of pavement work. Pier 12 construction ingress/egress does not require maintenance at this time due to inactivity at this project site. Debris was observed on Nimitz Highway outside Pier 15. HHCJV was instructed to clean up the area. Exposed areas at Pier 12; excavations for future slabs-on-grade, are depressed below grade to retain runoff and sediments. After installation of future slab on grade, contractor will be required to place bio-socks around work area. Stockpiles of excavated material are covered with plastic sheeting, with the bases encircled with biosock. For Pier 15, near water spigot, no dishwashing liquid was observed. It was also noted that the pavement area surrounding Pier 12 will require maintenance by sweeping up loose debris. HHCJV reported that Pier 12 project site will become active soon and maintenance will be more regular. Ongoing activities include concrete work at Pier 15. No on-land work in progress at Pier 12.

HC 10368 Piers 34 & 35			
Inspection Date	Type	Construction BMP Inspection Summary	Post-Construction BMP Inspection Summary
1/3/2015	Regular	No tracking noted. Soils are being stockpiled and hauled out to PVT. Portable Bin Washout. Berm constructed around water holding pond. Dewatering will be placed in retention basin and will not be discharged.	N/A
1/12/2015	Regular	Same as above.	N/A
1/26/2015	Regular	Same as above.	N/A
2/9/2015	Regular	Same as above.	N/A
2/23/2015	Regular	Same as above.	N/A
3/9/2015	Regular	Same as above.	N/A
3/23/2015	Regular	Same as above.	N/A
4/6/2015	Regular	Same as above.	N/A
4/20/2015	Regular	Same as above.	N/A
5/4/2015	Regular	Same as above.	N/A
5/18/2015	Regular	Same as above.	N/A
6/1/2015	Regular	Same as above.	N/A
6/15/2015	Regular	Same as above.	N/A
6/29/2015	Regular	Same as above.	N/A
7/13/2015	Regular	Same as above.	N/A
8/24/2015	Regular	Same as above.	N/A
8/25/2015	Regular	Same as above.	N/A
8/27/2015	Regular	Same as above.	N/A
9/4/2015	Regular	Same as above.	N/A
9/14/2015	Regular	No tracking noted. Soils are being stockpiled and hauled out to PVT. Portable Bin Washout. Dewatering will be placed in retention basin and will not be discharged.	N/A
9/15/2015	Regular	Same as above.	N/A
10/5/2015	Regular	Same as above.	N/A
11/2/2015	Regular	Same as above.	N/A
11/16/2015	Regular	Paving completed as of 11/16/2015. No tracking noted. Portable Bin Washout. Stockpile of contaminated soils are not present. Dewatering will be placed in retention basin and will not be discharged.	N/A
11/20/2015	Regular	No tracking noted. Permanent filters installed. Portable bin washout. Stockpile of contaminated soils are not present. Dewatering will be placed in retention basin and will not be discharged.	Grate inlet skimmer box and trench drain filters installed and area paved. Rain amounts .72" 24 hr period rain gauge.
11/23/2015	Regular	Same as above.	Grate inlet skimmer box and trench drain filters installed and area paved. Rain amounts .43" 24 hr period rain gauge.
11/24/2015	Regular	Same as above.	Grate inlet skimmer box and trench drain filters installed and area paved. Rain amounts .69" 24 hr period rain gauge.
12/7/2015	Regular	Same as above.	Same as above

HC 10368 Piers 34 & 35			
Inspection Date	Type	Construction BMP Inspection Summary	Post-Construction BMP Inspection Summary
12/21/2015	Regular	Same as above.	Grate inlet skimmer box and trench drain filters installed and area paved. Rain amounts = Honolulu Airpoprt 24 hr period rain gauge.
12/28/2015	Regular	No tracking noted. Permanent filters installed. Portable bin washout. No stockpile of materials on-site. Stockpile of contaminated soils are not present. Dewatering will be placed in retention basin and will not be discharged.	Grate inlet skimmer box and trench drain filters installed and area paved.

Attachment 18

Tenant Projects Review Inventory

Tenant Projects Reviewed

Tenant Name	Date	NOI-C	NPDES Permit No.	Project Location	Harbor	Total Project Area (inacre)	Disturbed Area (inacre)	Project Title	Project Description	Remarks
Hawaiian Ice	12/10/2015	TRUE	HI R10B571	Pier 38	Honolulu Harbor	0.345 acres	0.345 acres	Hawaiian Ice New Freezer Building	The lot is currently undeveloped and graded flat with grass. Site improvements shall include a new building to house a freezer storage unit with a concrete paved parking and loading dock. The developed site will include a 0.232 acres building footprint which will house a freezer storage unit. The remaining consists of concrete walkways, parking lot, and loading dock.	Need to consider applicable Post-Construction BMPs.

Attachment 19

DOT Projects Review Inventory

Harbors Project Reviewed

HC Number	Date	NPDES Permit No.	Project Location	Harbor	ProjectTitle	ProjectDescription	Remarks
HC_10526	5/11/2015		Piers 31A to 32	Honolulu Harbor	Replacement of Fire Suppression System at Piers 31A-32	The scope of this project is to replace the fire suppression system at Piers 31A to 32.	Exempt from Harbors small MS4 Construction and Post-Construction prgorams.
HC_10536	8/18/2015		Piers 39C, 39D, and 40B	Honolulu Harbor	Sheet Pile and Fender Repairs at Piers 39C, 39D, and 40B, Honolulu Harbor	The scope of work for this project consists of repairing spalls, delaminations and impact damage on concrete sheet piles and pile caps and repairing damaged portions of the fender system. Major items of work include rebuilding an area of concrete sheet piles with a new concrete wall, removing and disposing of damaged fenders, furnishing and installing new fenders, and repairing spalls and delaminations on concrete sheet piles and pile caps.	Preliminary plans provided to HAR-EE on 12/20/2013.
HC_10537R	4/2/2015		Pier 2 Terminal	Honolulu Harbor	Repair Roof and Gutter System at Pier 2 Terminal, Phase 2.	The scope includes selective demolition of damaged roof and gutter components and corroded and defective structural steel members. The selective demolition will involve lead abatement procedure on components identified to contain lead paint. Repairs will involve installation of new roof materials, sheet metal gutters, flashing and trims, fluid-applied waterproofing system, potential relocation and re-installation various mechanical piping, electrical conduits and lightings. New work and items installed will be finished by painting.	Exempt from Harbors small MS4 Construction and Post-Construction programs.
HC_10548	8/3/2015		Ferry Pier	Kalaeloa Barbers Point Harbor	Repair Lights at Ferry Pier, Kalaeloa Barbers Point Harbor.	The scope of work consists of, but is not limited to, removing the existing pier lighting conductor system, providing a new pier lighting conductor system in place complete, and testing and replacing damaged ductlines at the Ferry Pier, Kalaeloa Barbers Point Harbor.	
HC_10553	4/8/2015		Piers 19 and 20	Honolulu Harbor	Pavement Repairs at Piers 19 and 20	The scope of work consists of relocate concrete barricades as required for paving; remove 1 1/2 inches of existing asphalt pavement by cold-planing; Dispose of removed pavement. Remove concrete footing as required to 1 1/2 inch depth below finished grade; Clean existing surface of all foreign debris and apply bituminous tack coat; Place approximately 6200 SY of 1 1/2 inch thick State Mix IV HMAP; Relocate concrete barricades to original location.	Exempt from Harbors small MS4 Construction and Post-Construction programs.
HC_10556	3/9/2015		Pier 2B	Honolulu Harbor	Substructure Repairs at Pier 2B, Honolulu Harbor	The scope of work for this project consists of repairing substructure spalls and installing an epoxy coating system at Pier 2B, Honolulu Harbor.	This project is exempt from Harbors Construction Site Runoff Control Program.
HC_10557	4/15/2015		Pier 2	Honolulu Harbor	Remove Light Poles at Pier 2	Remove existing area lights and salvage and demolish concrete bases and boxes. Demolition debris will be taken off site and disposed at a legal dump site.	Exempt from Harbors small MS4 Construction and Post-Construction programs.
HC_10560	2/2/2015		Pier 21	Honolulu Harbor	Substructure and Waterline Repairs at Pier 21	The scope of the work consists of mobilization and demobilization; providing a BMP Plan; performing substructure repairs (including sounding of all concrete surfaces for spalls and delaminations on the concrete substructure and repair of spalls and delaminations on precast planks, beams and piles on the concrete substructure); removing existing hatch utilities and sealing two hatches with concrete; and replacing eight mooring bollards including repairing and furnishing new concrete pads. Mooring bollard repairs shall include furnishing, painting and installing new mooring bollard.	This project is exempt from Harbors Oahu small MS4 Construction and Post Construction programs.

Harbors Project Reviewed

HC Number	Date	NPDES Permit No.	Project Location	Harbor	ProjectTitle	ProjectDescription	Remarks
HC_10561	9/22/2015		Pier 38	Honolulu Harbor	Repair Trench drain at Pier 38, Honolulu Harbor.	Repare trench drain, concrete, and asphalt at Pier 38.	Revised SWPPP (dated 11/6/2015). Exempt from Harbors small MS4 Construction and Post-Construction prgorams.
HC_10562	8/3/2015		Paved road near Pier 7	Kalaeloa Barbers Point Harbor	Erosion Control Measures at Kalaeloa Barbers Point Harbor, Oahu, Hawaii	Install new dust control measures to the top of the stockpiles, in accordance with dust control manufacturer's recommendations.	Exempt from Harbors small MS4 Construction and Post-Construction programs.
HC_10568	11/10/2015		Pier 8	Honolulu Harbor	Repair Windows at Warehouse No. 8	The scope of this project is to replace the existing windows and louvers with newones.	Exempt from Harbors small MS4 Construction and Post-Construction programs.
HC_10571	3/23/2015		Pier 8	Honolulu Harbor	Substructure and Fender Repairs at Pier 8, Honolulu Harbor	Scope of work: A. Mobilization and demobilization. B. Providing a BMP Plan C. Performing substructure repairs at Pier 8 including removing of all gunite on the remaining substructure in the project location, sounding of all concrete surfaces after removal of gunite for spalls and delaminations, repair of spalls and delaminations on slabs, beams and girders on the concrete substructure, full replacement of existing concrete slabs in designed repair locations, full beam and girder repairs, and applying an epoxy coating to the underside surfaces of slabs, beams, girders, pile caps and piles in the project location. D. Repairing the tire fender system using new plastic lumber.	Repair and maintenance project; exempt from Harbors Construction and Post-Construction programs. Provided BMP plan on 9/10/2015.
HC_10574	4/20/2015		Pier 2 shed	Honolulu Harbor		The scope of work consists of repairs to an existing Men's restroom at the Pier 2 Shed, Honolulu Harbor, including construction of a new single-user bathroom accessible from the Ewa office only, and making all necessary repairs to comply with all applicable codes, laws, and regulations.	Exempt from Harbors Construction and Post-Construction Programs. Reviewed BMP Plan.
HC_10575	3/20/2015		Pier 2	Honolulu Harbor	Repair Air Conditioning System at Pier 2 Offices	The scope of work consists of replacing the air conditioning system with a more effective and efficient variable refrigerant flow system.	Provided BMP on 9/15/2015. Exempt from Harbors small MS4 Construction and Post-Construction programs.
HC_10576	4/23/2015		Pier 11	Honolulu Harbor	Repair Plumbing System at Harbors Administration Building	Repair plumbing system at Harbors administration building at Pier 11	Exempt from Harbors small MS4 Construction and Post-Construction programs.
HC_10580	4/20/2015		Piers 39 and 40	Honolulu Harbor	Concrete Pavement Repairs at Piers 39 and 40	Mobilization and demobilization; Providing a BMP plan; and Repairing concrete pavement slabs.	Exempt from Harbors Construction and Post-Construction Programs as "paved surface repair".

Harbors Project Reviewed

HC Number	Date	NPDES Permit No.	Project Location	Harbor	ProjectTitle	ProjectDescription	Remarks
HC_10583	9/22/2015	HIR10B571	Pier 38	Honolulu Harbor	Methane Mitigation at Parcel 8, Pier 36-38, Honolulu Harbor - Fresh Island Fish Company, Inc. Uncle's Restaurant Addition.	The scope of work consists of construction of a vapor barrier and venting system within the foundation footprint of the Fresh Island Fish Company, Inc. building extension on Parcel 8 at the Domestic Commercial Fishing Village Site, and incidental related work, including required submittal; mobilization and demobilization; general BMP plan for pollution control; contractor submittals related to the NPDES Permit Update Application, NPDES Update Application by Others; vent pipes; vent risers; vapor barriers; detailed work plan (describing the work tasks and activities, personnel and equipmen to be used, subcontractors to be used, materials needed and their source and a detailed project schedule); and health and safety plan.	Need to submit Less Than Once Acre Form.
HC_10588	4/20/2015		Piers 5 to 7	Kalaeloa Barbers Point Harbor	Repair Trench Drains at Kalaeloa Barbers Point Harbor; Chevron underground pipeline hatch repair.		Reviewed preliminary drawings (received on 4/20/2015). Exempt from Harbors small MS4 Construction and Post-Construction programs.
HC_10595	5/14/2015	HI R10C200	Pier 51A/B (Horizon Lines Container yard)	Honolulu Harbor	FY 16 One-year Pavement Repairs at Horizon Lines Container Yard, Honolulu Harbor	The project will involve cold planing, replacing the base course, preparing the subbase, applying a new bituminous tack coat, placing new modified Mix III and Mix V Hot Bituminous Asphalt Pavement, and placing new pavement markings in a portion of the Horizon Lines container yard at Honolulu Harbor, Oahu	Submit Construction Site Design Review Checklist (in Final Design phase on 5/14/2015)
HC_10599	9/16/2015		Piers 10 and 11	Honolulu Harbor	Repair Roof at Piers 10 and 11 Shed, Honolulu Harbor	The work consists of, but is not limited to, the following: preparing the roof surface to receive the new roof coating system; installing a new roof coating system.	Exempt from Construction and Post-Construction programs.
HC_10601	12/21/2015		Pier 29	Honolulu Harbor	Substructure Repairs at Pier 29	The scope of work consists of repairing the substructure spalls and a drain outlet at Pier 29, Honolulu Harbor, Oahu, Hawaii, including, but not necessarily limited to, the following major items of work: A. Mobilization and demobilization. B. Providing a BMP Plan. C. Performing substructure repairs including the following: 1. Sounding of all concrete surfaces for spalls and delaminations on the concrete substructure in the vicinity of repair locations shown on the project plans. 2. Repair of spalls and delaminations on slabs, beams and piles on the concrete substructure. 3. Removing existing bollard bolts and soffit pad eyes. D. Repairing an undermined drain outlet.	Exempt from Harbors Construction and Post-Construction programs
HC_10605	6/18/2015		Fort Armstrong	Honolulu Harbor	FY 16 One-Year Maintenance Contract For Pavement Repairs at Fort Armstrong, Honolulu Harbor, Oahu	The scope of work consists of repairing damaged asphalt concrete pavement at the Fort Armstrong container yard area, Honolulu Harbor. The work includes placing new pavement markings.	

Harbors Project Reviewed

HC Number	Date	NPDES Permit No.	Project Location	Harbor	ProjectTitle	ProjectDescription	Remarks
HC_10607	6/18/2015	HI R10C108	Pier 39F	Honolulu Harbor	Asphalt Overly at Pier 39	The work to be done under this project includes furnishing of all labor, material, and equipment necessary to overlay existing damaged concrete pavement with hot mix asphalt pavement, Honolulu Harbor, Oahu.	Exempt from Harbors Construction and Post-Construction programs.
HC_10608	9/16/2015		Piers 52 and 53	Honolulu Harbor	Substructure Repairs at Piers 52 and 53	The scope of work for this project consists of repairing substructure spalls at Piers 52 and 53, Honolulu Harbor, including mobilization/demobililzation, providing a BMP plan, performing substructure repairs (sounding of all concrete surfaces for spalls and delaminations on the concrete substructure in the vicinity of repair locations shown on the project plans and repair of spalls and delaminations on beams and piles on the concrete substructure), and installing a concrete sealer with corrosion inhibitor in the project location as shown on the plans.	Exempt from Harbors Construction and Post-Construction programs.
HC_10614	9/24/2015		Pier 51A	Honolulu Harbor	Replace Bullrails at Pier 51, Honolulu Harbor	Replace bullrails at Pier 51, Honolulu Harbor	Exempt from Harbors Construction and Post-Construction programs.
HC_10617	9/3/2015		KMR	Honolulu Harbor	Resurfacing Bypass Road at Kapalama Military Reservation, Honolulu Harbor	This project is to resurface bypass road at KMR, Honolulu Harbor, including cold plane existing asphalt concrete pavement, clean existing pavement and apply tack coat, install new asphalt concrete pavement, and install/remove erosion/sediment control measures.	This project is exempt from Harbors Construction Site Runoff Control Program.
HC_10622	9/11/2015		Pier 52	Honolulu Harbor	Panel Repair at Pier 52	This project is scoped to repair a precase concrete plank at Pier 52 and major work including mobilization and demobilization; providing a BMP Plan; repair of precast concrete plank and ledge; and hazardous material removal work related to the coal tar epoxy coating covering the precast concrete plank soffits.	Exempt from Harbors Construction and Post-Construction programs.

Attachment 20

Post-Construction BMPs Inventory and Inspection

Post-Construction BMP Inventory and Inspection

Project Number	Ownership	Location	Acreage	Project Description	Control Measure Description	Inspection and O&M Schedule	Remarks
HC_10354	Harbors	Pier 29	11.95 acres	Construction of Pier 29 Container Yard.	Direct runoff infiltration through the built-in fabric	Initial system cleaning completed on 6/9/2015.	
HC_10515	Harbors	Pier 31/32	6 acres	Demolition and removal of a portion of the existing shed; placement of erosion controls and BMPs; repair and replacement of AC pavement; construction of a drainage system; installation of new lights in the shed area; installation of three 100-ton bollards; handling and disposal of contaminated materials; and a design-build portion that requires designing and installing an upgrade of the lighting in the lot Mauka of the shed on Piers 31-32.	Storm Water Flow Control and On-site Stormwater Filtering using biosocks.	Newly installed	Need O&M Plan