



2013 TENANT STORM WATER POLLUTION PREVENTION AWARENESS TRAINING

MĀLAMA I KE KAI – PROTECT OUR OCEAN WATER

AUGUST 28TH and 29TH, 2012

Hawaii Department of Transportation – Harbors Division

Introduction

- Hawaii Department of Transportation – Harbors Division
 - ▣ Randy Grune – Deputy Director
 - ▣ Carter Luke PE – Engineering Program Manager
 - ▣ Randal Leong PE – Environmental Engineer
 - ▣ Jim Galariada CSP – Environmental Health Specialist
 - ▣ Joy Zhang – Environmental Health Specialist
- Weston Solutions, Inc.
 - ▣ Mark Ambler PE, PMP
 - ▣ Joe Weidenbach, PE
 - ▣ Stacey Fineran, PMP
- Hawaii Department of Health
 - ▣ Matthew Kurano

AGENDA

- Regulatory Background
- Harbors (Small MS4) General Permit Requirements
 - ▣ Public Education and Outreach
 - ▣ Public Involvement/Participation
 - ▣ Illicit Discharge Detection and Elimination (IDDE) Program
 - ▣ Construction Site Run-Off Control
 - ▣ Post-Construction Stormwater Management
 - ▣ Pollution Prevention and Good Housekeeping
- Facility Inspections
- Video Presentation (14 mins) – **“A Grate Concern”**
- Construction
- Pesticides
- Other Information
- Questions and Answers

RECENT PROGRAM HISTORY

- **HDOT Harbors General Permit – May 19, 2003**
- **EPA Audit – December 2008**
- **Finding of Violation – June 18, 2009**
- **Tenant Inspections – 2009 (44)**
- **Inspection Reports – 2010**
- **Stormwater Management Plan Revision – Dec 2009**
- **Tenant Inspections – 2010 (All)**
- **Deficiency Letters – 2011**
- **Tenant Inspections – 2011 (All)**
- **Deficiency Letters and Eviction Notices – 2012**
- **EPA Audit – May 2012**
- **Tenant Inspections – 2012 (All)**
- **Deficiency Letters – 2013**
- **Tenant Inspections – 2013**
- **EPA/HDOH Review of Stormwater Program – 2013**



2013 TENANT ENVIRONMENTAL MANAGER OF THE YEAR



for Exemplary Management of a Tenant Stormwater Program



Did the tenant manager or representative attend the stormwater training?



Did the tenant manager respond promptly to all communication when required?



Did the tenant manager or representative respond quickly to identified deficiencies from the inspection report?



Did deficiencies return upon follow up inspection?



Did the tenant manager or representative implement additional BMPs above and beyond what was required?



Did the tenant manager or representative have all the necessary permits onsite for review during the inspection and were they current?



Was the tenant manager or representative easy to work with and courteous during the inspections?



Does the tenant manager or representative have sufficient influence and budget to implement changes?



Does the tenant environmental manager or representative provide Storm Water Awareness or Environmental Training for all employees (i.e. Review TSI BMP Fliers)?



Has the tenant manager or representative taken steps to reduce the environmental risk of the activities of the company?





2013 TENANT ENVIRONMENTAL MANAGER OF THE YEAR CATEGORY A



for Exemplary Management of a Tenant Stormwater Program

EDWARD AU

For management of GLP Asphalt, LLC dba Asphalt Hawaii



2013 TENANT ENVIRONMENTAL MANAGER OF THE YEAR CATEGORY B



for Exemplary Management of a Tenant Stormwater Program

TOM CRESCENZI

For management of Aloha Cargo Transport



REGULATORY BACKGROUND



- Clean Water Act (40 CFR 100-149)
 - ▣ 1972 Clean Water Act– Swimmable, Fishable
 - ▣ 1987 Amendments – NPDES (National Pollutant Discharge Elimination System) regulations
- NPDES – Environmental Protection Agency Regulatory Authority
 - ▣ Phase II issued in 1999 – General Permit
 - Small MS4
 - Construction Sites > 1 acre, < 5 acres (PENDING MODIFICATION AND RENEWAL)
- MS4 – conveyance that is owned by a state, city, town, village, or other public entity that discharges to waters of the U.S.; designed or used to collect or convey stormwater; and not combined with sewer.
- Harbors Division – Notice of General Permit Coverage (NGPC)
 - ▣ HI 03KB482 – Honolulu Harbor MS4 Permit
 - ▣ HI 03KB488 – Kalaeloa Barbers Point Harbor MS4 Permit

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 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.*

GENERAL PERMIT REQUIREMENTS

Minimum Control Measures

Each Minimum Control Measure Requires:

- Written Plan – SWMP
- BMP Implementation
- Training
- Reporting
- Enforcement

- ❑ Public Education & Outreach
- ❑ Public Participation & Involvement
- ❑ Illicit Discharge Detection & Elimination
- ❑ Construction Site Runoff Control
- ❑ Post-Construction Stormwater Management
- ❑ Pollution Prevention & Good Housekeeping

General Permit Allowable Discharges*

- ❑ Water Line Flushing
- ❑ Landscape Irrigation
- ❑ Diverted Stream Flows
- ❑ Rising Ground Water
- ❑ Uncontaminated Ground Water Infiltration
- ❑ Uncontaminated Pumped Ground Water
- ❑ Discharges from Potable Water Sources
- ❑ Air Conditioning Condensate
- ❑ Crawl Space Pumps and Footing Drains
- ❑ Dechlorinated Swimming Pool Water
- ❑ Discharges from Fire Fighting Activities
- ❑ Springs
- ❑ Lawn Watering Runoff
- ❑ Flows from Riparian Habitats and Wetlands

* Unless discharges “Cause or contribute to water quality objective exceedances.”

Minimum Control Measures 1&2

Public Outreach & Participation

<http://hidot.hawaii.gov/harbors/library/storm-water-management/>



Minimum Control Measure 3 Illicit Discharge Detection & Elimination (IDDE) Program



1. Vehicle Washing
2. Building Power Washing
3. Equipment Power Washing
4. Outdoor Sinks Draining to Ground
5. Outdoor Hand Wash Stations
6. Spills
7. Sheen During Rain

ILLICIT DISCHARGE DEFINITION

Non-Stormwater Discharge (NSWD)

A discharge that is not composed entirely of stormwater



Illicit Discharge

An NSWD that **poses a risk to the environment**





HAR 19-42-126; Littering or Polluting Land Areas

(a) ... all types of debris and substances, whether liquid or solid...







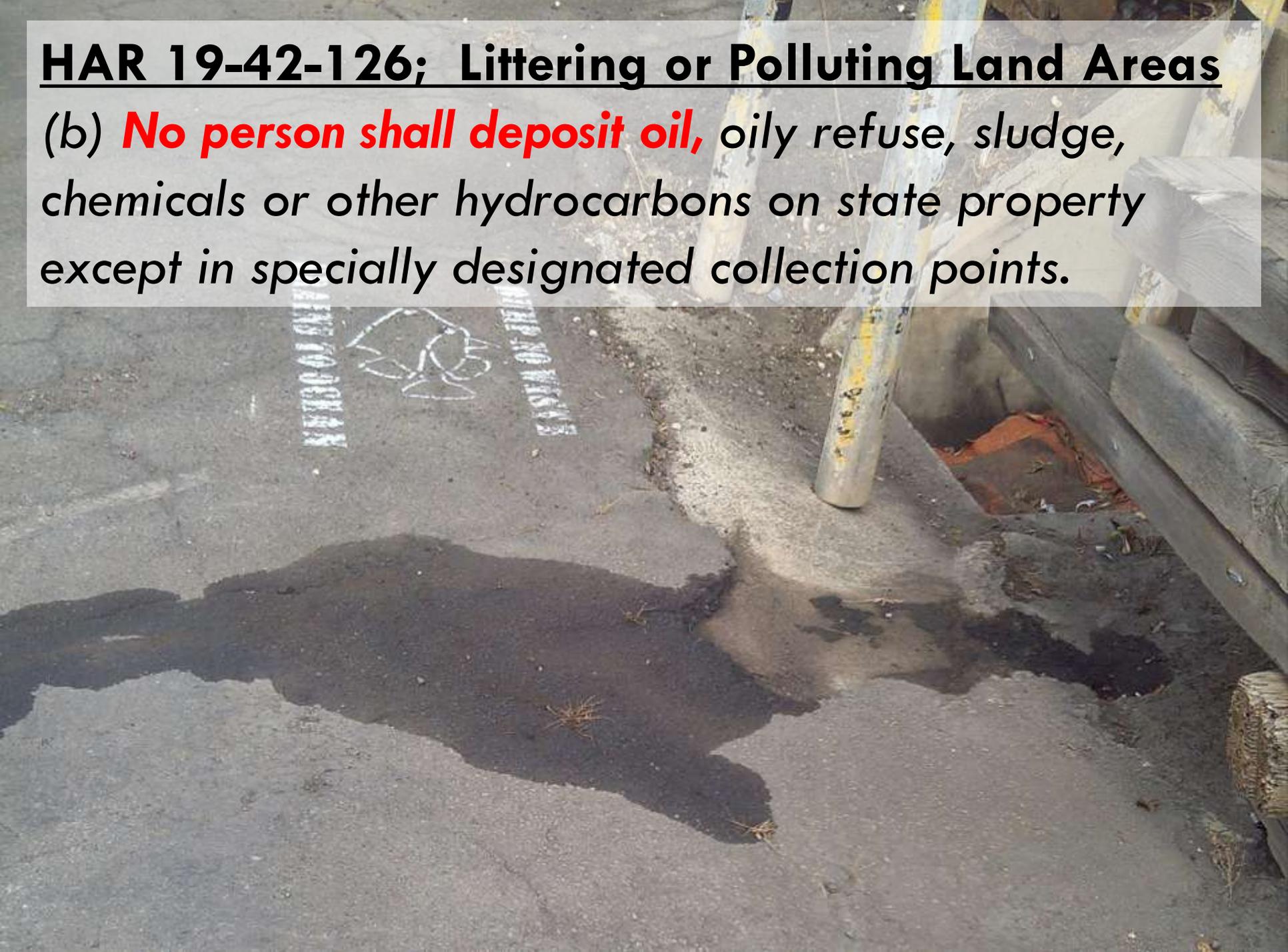






HAR 19-42-126; Littering or Polluting Land Areas

(b) **No person shall deposit oil,** oily refuse, sludge, chemicals or other hydrocarbons on state property except in specially designated collection points.









08/05/2013

08/05/2013





11/13/2012 10:45



11/13/2012 10:48



02/26/2013 11:43

WARRIORS



1



A person wearing a light blue long-sleeved shirt and blue jeans is standing in the background, partially obscured by the redaction box.

HYSTER

2

02/26/2013 11:37



01/04/2013 09:39



Mazon
CONSTRUCTION CO. INC.

4-6595

JC 1483-C

TARE 18,675

01/04/2013 09:38



06/25/2012







10/19/2012 11:32

BMP FLIERS ON THE WEBSITE

- ❑ Vehicle and Equipment Washing
- ❑ Vehicle and Equipment Fueling
- ❑ Material Storage
- ❑ Common Businesses
- ❑ Solid and Hazardous Waste Management
- ❑ Material Delivery and Handling
- ❑ Building and Remodeling
- ❑ Vessel Maintenance
- ❑ Building Power Washing
- ❑ Sidewalk and Walkway Power Washing

**Storm Water
BEST MANAGEMENT PRACTICES**

Vehicle and Equipment Washing



Wash water from vehicle and equipment cleaning activities performed outdoors or in areas where wash water flows into the ground can generate dry weather runoff contaminated with detergents, heavy metals, oil and grease, tire lubricants, solvents, and other pollutants.

Releasing pollutants directly or indirectly into the storm drain system or the surface for vehicle or equipment washing is a violation of the Malama Municipal Separate Storm Sewer System (MS4) General Permit. Proper equipment washing, BMP implementation, and pollution prevention methods are required for compliance with the Malama's Storm Water Management Plan (SWMP).

BMP Implementation

Primary Option: On-Site Washing

Facilities with small fleets should consider connecting with a commercial car wash. Commercial car wash facilities often recycle the water or are required to treat their wash water discharge prior to release into the sanitary sewer system. Pressure cleaning and steam cleaning should be done outside to avoid generating runoff with high pollutant concentrations.

Secondary Option: On-Site Washing

NOTE: ON-SITE WASHING IS ALLOWED ONLY AFTER WASHING CONTAMINANTS HAVE BEEN TESTED TO THE CITY'S METHODS APPROVE FOR TYPICAL OPERATIONS.

Vehicle and equipment washing should be conducted only in designated areas specifically designed to collect and treat generated wash and tire water.

The simplest, best way to manage the vehicle and use a facility return to capture the wash water for discharge to the sanitary sewer. For larger fleets, use a combination of berms and a vacuum truck, such as those used in other storm and sanitary sewer systems, to capture and safely dispose of wash water. If detergents are used, clear the pavement to prevent the material from being carried to the storm drain during the wash operation.

The contained wash water effluent should be recycled, discharged to the sanitary sewer system (permitted) or collected in a container to be disposed at a permitted facility. Additionally, designated wash areas should be paved and contained using berms and a sump. Use hose nozzles with automatic shut off and biodegradable soaps where appropriate. Protect paved surfaces within the wash area and clean periodically to remove buildup of particulate matter or other pollutants. Vehicle maintenance, chemical storage, and other activities that could release pollutants are prohibited in washing areas. Train employees on proper cleaning, maintenance, and wash water disposal practices. Documentation of the training should include a list of attendees, the date, the topic covered, and signatures of attendees.

* On-site vehicle and/or equipment washing BMP Tier Two

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Version 1.0, 06/2010

The Storm Water Division of Transportation, Malama's Division has developed the Storm Water Management Plan (SWMP) in compliance with the National Pollution Discharge Elimination System (NPDES) and the State of Hawaii Department of Health Storm Water System (SWS) General Permit requirements.

The SWMP is administered by the Environmental Section under the Engineering Branch.

Phone: 408-621-1262

Website:
<http://hawaii.gov/ke-kaui/Storm-Water-Management/>



**Storm Water
BEST MANAGEMENT PRACTICES**

Sidewalk and Walkway Power Washing



Unpermitted concrete sidewalks/walkway power washing, using a high-pressure water system, generates wash water effluent which contains contaminants such as oils, dirt, grease, and grits. Power washing also removes debris that, if discharged, can plug storm drain inlets and gutters and reduce or even prevent storm water drainage to the storm sewer system. Therefore, wash water from sidewalk/walkway power washing must be properly handled.

Note: Before wash water enters storm collection systems, the discharge level was appropriate Best Management Practices (BMPs) to reduce pollution associated with untreated water discharge, to the Malama's Best Management Practices (BMPs). The discharge is responsible for complying with MS4, City, State, and Federal rules and regulations.

BMP Implementation

Recommended Washing Procedure

- Sweep and/or clean the surface of any visible pollutants and deposit of the collected material in trash containers. Clean surface of walk edge or driveway, if using generator (water or gas), thoroughly rinse and properly dispose of before washing.
- After visible pollutants are removed, use water (500 to 1000 psi) to clean the area (i.e., no soap, acids, or other additives). Generated wash water should be properly drained or disposed of (e.g., directed to bioswale or permeable areas within the pavement). Street through generated flow of the clean air fan discharge into the storm drain.
- If any visible pollutants remain in the residual wash water, collect all water and pump into the City's public street treatment water (PSTW) through a sanitary sewer service line approved by the City or Inspector.

Other Things To Be Considered

- If there is no storm drain system nearby and discharge are allowed to or street will create a nuisance or hazardous condition, the effluent may be dependent of a POTW or industrial water disposal facility.
- Discharge to a POTW requires approval by the City.
- If sidewalk/walkway is painted and power washing has the potential to remove the paint, please refer to the Building Power Washing BMP Plan.

The Storm Water Division of Transportation, Malama's Division has developed the Storm Water Management Plan (SWMP) in compliance with the National Pollution Discharge Elimination System (NPDES) Permit.

The SWMP is administered by the Environmental Section under the Engineering Branch.

Phone: 408-621-1262

Website:
<http://hawaii.gov/ke-kaui/Storm-Water-Management/>



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VEHICLE AND EQUIPMENT WASHING

- *Program started Last Year*
 - *Two (2) permits Issued to Date*

Submit This for Approval:



What are you Washing?



Pressure Sprayer Flow Rate



Vacuum Rate



Berm/Drain Map



Container Capacity



Waste Disposal Plan

... Then Have This Onsite:



Wet Vacuum



Berm



Proper Containment



Proper Waste Disposal

VEHICLE AND EQUIPMENT WASHING

- ❑ Formal, written approval
- ❑ Contain Wash Water
- ❑ NO Wash Water → Storm Drain
- ❑ Example: 3.5 GPM Spray → 7 GPM Vacuum
- ❑ Enough storage for job?
- ❑ Proper transport and disposal
- ❑ Is the rinsate staying onsite?



3.5 GPM SPRAYER

7 GPM
VACUUM

350 GALLON
TOTE FOR 1
HOUR WASH

WHERE WILL
THE RINSATE
OR SLUDGE
GO?

WHERE WILL
THE SEDIMENT
GO?

BUILDING WASHING

□ Primary Option

- ▣ Wet rags or mopping
- ▣ Dispose in Sanitary Sewer (with City approval)

□ Secondary Option

- ▣ Portable Containment
- ▣ Holding Tank
- ▣ Dispose in Sanitary Sewer (with City approval)



SIDEWALK/WALKWAY WASHING

- ❑ Sweep/Dry Cleanup first
- ❑ Water Without Soap, Acid, etc.
- ❑ Wash Water Proper Disposal
- ❑ Dispose in Sanitary Sewer (with City approval)



Illicit Discharges



**DISCHARGE FROM VESSEL OR
ALREADY MADE IT TO
WATER?**

REPORT IT!!

24/7 TOWER # 587-2076

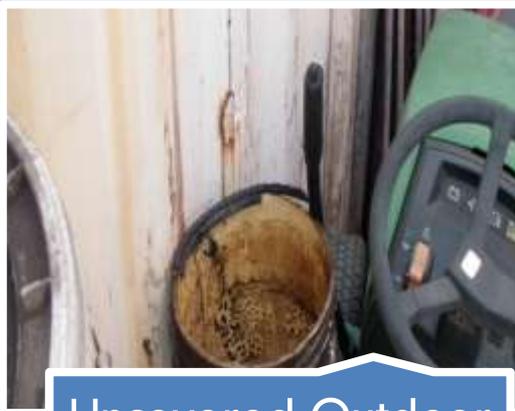
**LAND BASED SOURCES?
REPORT IT!!**

**Harbors Work Hour Hotline
587-1962**

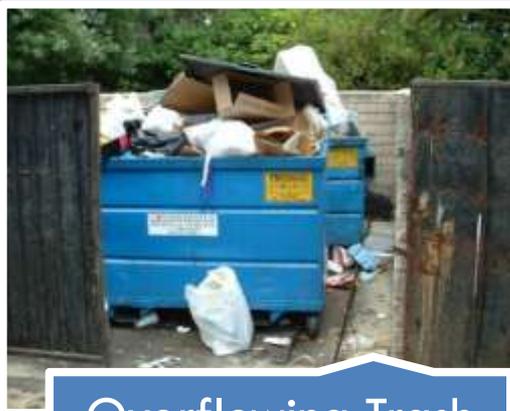


Report These

ILLICIT
DISCHARGES!



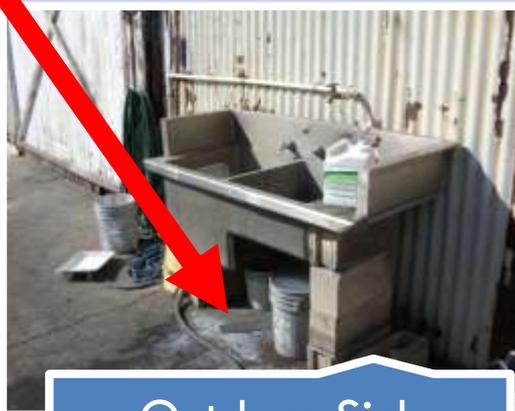
Uncovered Outdoor
Petroleum Storage



Overflowing Trash
Bins



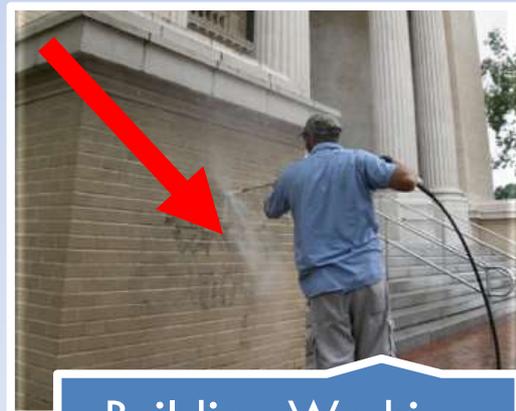
Leaking Drums or
Rolloffs



Outdoor Sink
Without Capture



Vehicle Washing
without Capture



Building Washing
without Capture

Minimum Control Measure 6 Pollution Prevention & Good Housekeeping

VIDEO Presentation

Illicit Discharge Detection and Elimination

“A Grate Concern”

Excal Visual



TENANT FACILITY INSPECTIONS

(draft Manual under EPA/HDOH review)

Tenant Risk Ranking Criteria		Score	Tenant Risk Ranking Criteria		Score
0	No equipment and/or vehicle washing is conducted.			and the tenant is classified as a CESQG, SQG or LQG. Hazardous liquid, and/or disposed of. Storage areas have significant potential for	
1	Equipment and/or vehicle washing is conducted in an approved method, with no or minimal potential discharge of pollutants.			trigger to high risk designation)	
2	Equipment and/or vehicle washing is conducted in an approved method with minimal potential discharge of pollutants.			minimal quantity (e.g., less than five gallons for oil) in the past three	
3	Equipment and/or vehicle washing is conducted in an approved method with moderate potential discharge of pollutants to the system or nation's water.			moderate quantity (e.g., oil spill greater than 5 gallons but less than 25 gallons) or more than the reportable quantity (see 40 CFR 302.4) in the past three years.	
4	Equipment and/or vehicle washing is contained and in a drainage system and nation's water, but conducted with a permit.			greater than the reportable quantity (see 40 CFR 302.4) in the past three years.	
5	Equipment and/or vehicle washing is not contained, contained in a drainage system and nation's water, but conducted in an area that directly discharges to Harbors storm drainage (high risk designation).			entered into Harbors storm drainage system. Or more than five gallons in any one calendar year. (Automatic trigger to high risk designation)	
7	Aboveground Oil Storage (size of container ≥ 55-gallon)			issued in the past two years.	
0	No oil product is stored.			Written warnings and potential violations identified in an inspection report and corrective actions were immediately taken by the tenant.	
1	Less than 1,320 gallons of oil is properly stored in a container with a discharge of pollutants.			Inspection report and documented in an NAVI were issued in the past two years and taken by the tenant.	
2	Less than 1,320 gallons of oil is properly stored in a container with a discharge of pollutants.			Inspection report and documented in an NAVI were issued in the past two years, but corrective actions were NOT immediately taken by the tenant.	
3	More than 1,320 gallons of oil is properly stored with a permit and the facility has an SPOC Plan.			Inspection report and documented in an NAVI were issued in the past two years, but corrective actions were NOT immediately taken by the tenant.	
4	More than 1,320 gallons of oil is properly stored with a permit and the facility does not have a SPOC Plan.			non-compliance in the past two years. (Automatic trigger to high risk designation)	
5	Oil is improperly stored and/or managed and has a permit. (Automatic trigger to high risk designation)			rainings during its tenancy.	
8	Container Storage (size of containers < 55-gallon)			Recent training.	
0	No containers are stored.			Recent training.	
1	All containers are properly managed and stored with a permit to discharge of pollutants.			Recent training.	
2	All containers are properly managed and stored under a permit.			Recent training.	
3	Containers are stored outdoors with moderate potential for discharge of pollutants.			Recent training.	
4	Containers are improperly managed and stored indoors.			Recent training.	
5	Containers are improperly managed stored outdoors with a permit. (Automatic trigger to high risk designation)			Recent training.	
9	Other MISC Material/Cargo Storage and Handling			General housekeeping is in good or fair condition.	
0	No materials/cargo are loaded/unloaded and stored.			General housekeeping is in poor condition.	
1	All materials/cargo are handled and stored entirely indoors with a permit to discharge of pollutants.			General housekeeping is in good condition (e.g., sources of dust, odors, etc.) are controlled.	
2	Materials/cargo are handled and stored indoors and pollutants with relevant BMPs in good and effective condition.			General housekeeping is in fair condition.	
3	Materials are handled and stored outdoors with moderate BMPs in fair condition.			General housekeeping is in poor condition.	
4	Material handling and storage is conducted with moderate BMPs in poor condition.			General housekeeping is in poor condition.	
5	Material handling and storage is conducted with moderate BMPs in poor condition. (Automatic trigger to high risk designation)			General housekeeping is in poor condition.	
10	Waste Handling and Disposal (excluding Used Oil)			General housekeeping is in poor condition.	
0	No waste is stored.			General housekeeping is in poor condition.	
1	All wastes are non-hazardous and stored indoors or outdoors with a permit to discharge of pollutants.			General housekeeping is in poor condition.	
2	All wastes are non-hazardous and stored outdoors with a permit to discharge of pollutants.			General housekeeping is in poor condition.	
3	Hazardous wastes are generated and tenant is classified as a CESQG, SQG or LQG. Storage areas have significant potential for discharge of pollutants.			General housekeeping is in poor condition.	
4	Hazardous wastes are generated and the tenant is classified as a CESQG, SQG or LQG. Storage areas have significant potential for discharge of pollutants.			General housekeeping is in poor condition.	

Draft
Tenant Inspection and Enforcement Manual



State of Hawaii
 Department of Transportation
 Harbors Division
 79 South Nimitz Highway
 Honolulu Hawaii 96813-5898

July 2013

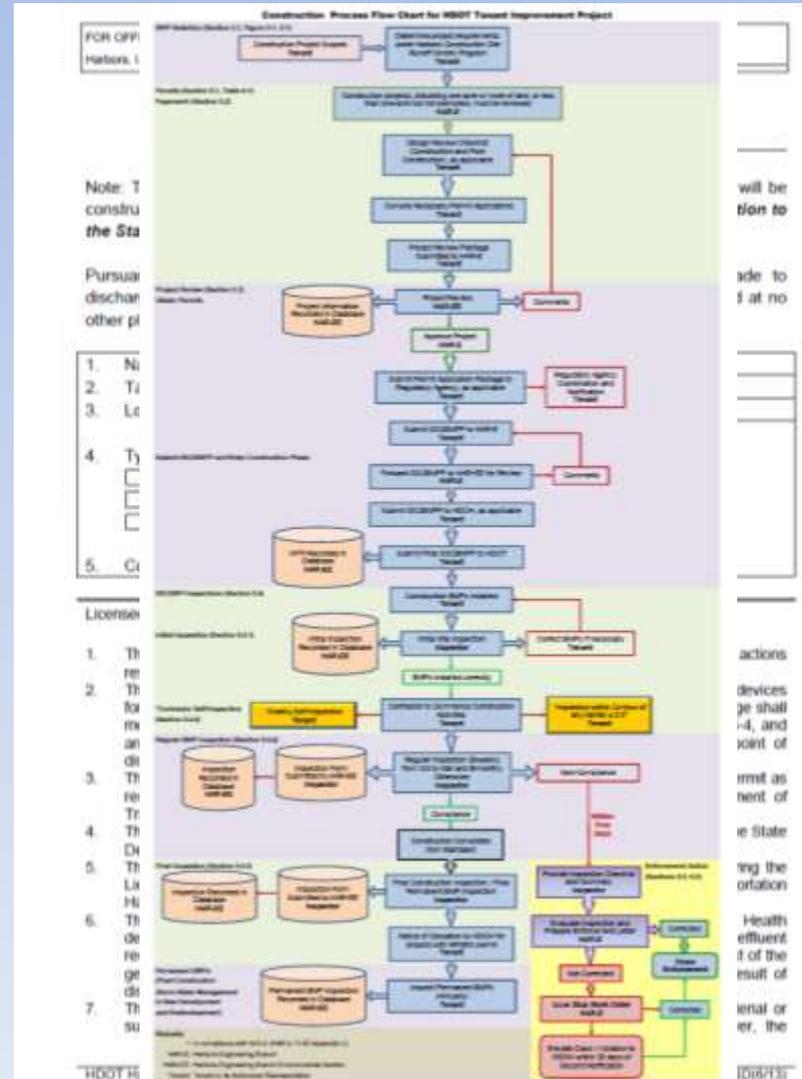
Version 4.0

PROTECT OUR OCEAN WATER – MĀLAMA I KE KAI

Total Risk Ranking Score: 0
 Tenant Risk Ranking Category: _____

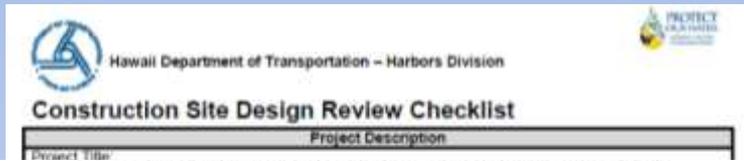
CONSTRUCTION SITE RUNOFF CONTROL (required review and approval)

- Construction Site Runoff Control Program Manual
- Permit to Discharge (temporary)
- Permit for Connection (permanent)
- Construction Process Flow Chart



CONSTRUCTION SITE RUNOFF CONTROL (after review and approval)

- Construction Site Design Review Checklist
- Construction Site BMP Inspection Checklist



Construction Site Best Management Practices Inspection Checklist

Date of Inspection:		Project Title:				Project Job No.:		NGPC No.:	
Contractor:		SSCBMP Updated and Onsite: <input type="checkbox"/> Yes <input type="checkbox"/> No				Photographs Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No			
Inspector:		Control Device(s)		Require Maintenance		Description of Any Deficiency		Date Corrective Actions Taken	
Weather:		N/A		Yes No		Yes No		Notes	
AC: Adequate Containment		ACoC: Adequate Cover or Containment							
1. Stabilized Construction Ingress/Egress? (Vehicular Tracking)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2. Erosion Control Device(s) - Slopes/Exposed Area (Sediment Control (Silt fence, Perimeter sock) Storm Drain Inlet Protection (Fabric filter, Witch's hat)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3. Dust Control/Suppressant - Saw-cutting/Demolition (Concrete Washout Area (AC))		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4. Vehicle/Equipment Maintenance Area (ACoC) (Vehicle/Equipment Clearing Area (AC) Vehicle/Equipment Fueling Area (AC) Vehicle/Equipment Storage Area (AC))		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5. Construction Material Storage Area (ACoC) (Stockpiles of Aggregate (ACoC))		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6. Flammable/Fuel Storage Area (ACoC) (Hazardous Material Storage (ACoC) Waste Storage Area (ACoC))		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7. Good Housekeeping Practices (Is project generally free of litter, sediment, etc.?)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8. Spill Prevention/Control - Spill Kit		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Major Site Activities (please check any if applicable): <input type="checkbox"/> Demolition <input type="checkbox"/> Paving <input type="checkbox"/> Excavation <input type="checkbox"/> Hauling Materials <input type="checkbox"/> Concrete Pouring <input type="checkbox"/> Other, please specify: _____									
If any of the item listed below checked "Yes", please provide detailed information under Additional Notes.									
A. Is contaminated soil present? <input type="checkbox"/> Yes <input type="checkbox"/> No					B. Is sediment basin(s) present? <input type="checkbox"/> Yes <input type="checkbox"/> No				
C. Is any illicit discharge present? <input type="checkbox"/> Yes <input type="checkbox"/> No									
D. De-watering and/or Hydrotesting - Is this project in compliance with these NPDES storm water permitting requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A									
Verified By (HDOT Project Inspector/Engineer's Signature)						Date			



Minimum Control Measure 4

CONSTRUCTION SITE RUNOFF CONTROL

(< 1 acre)

Notification Form for Projects < 1 acre

Hawai Department of Transportation – Harbors Division

Notification Form for Project Sites Disturbing Less Than One Acre
(To be used for Tenant Improvement Project)

Project Description			
Project Title:	Acreage of Site:		
Project Job No.:			
Name of Design Firm:			
Projected Construction Timeframe:			
Description of Project:			

Site Information			
Construction Site Location:			
Tax Map Key No(s):			
Disturbed Area (in nearest tenth of an acre):	Total Project Area (in nearest tenth of an acre):		
Existing Percentage of Impervious Area:	Percentage of Impervious Area After Completion:		

Project Information	
Tenant	
Business Name:	
Project Point of Contact:	
(Note: Must be tenant or tenant representative with signatory authority)	
Mailing Address:	
Phone:	
Email Address:	
Engineering/Design Company	
Company Name:	
Project Point of Contact:	
Mailing Address:	
Phone:	
Email Address:	
Construction Contractor	
Company Name:	
Project Point of Contact:	
Mailing Address:	
Phone:	
Email Address:	

Nearest Water Body Information	
Name of Nearest Receiving Water Body(s) and Distance:	
Any New or Modified Storm Drain Connections:	
Description of Storm Drains On or Adjacent to Project Area (e.g., location of C&G):	

HOOT Harbors Division – Notification Form for Project Sites Disturbing Less Than One Acre Page 1 of 2 Version 2.2
HOOT HAR-EE Form SO-1_NPT 08/12

HOOT Harbors Division

Signature and Certifications

Project Owner/Operator: For my signature below, I solemnly certify that this project is not part of a Large Common Plan (LCP) for development. I understand that additional construction activities at this site may require permit coverage and I am responsible for obtaining any federal, state, or local permits that may be required for this project.

I certify that all land-disturbing construction and associated activity pertaining to this site shall be accomplished pursuant to and in keeping with the terms and conditions of all relevant regulations including, but not limited to, the Federal Clean Water Act (33 USC 1201), Hawaii Revised Statutes 342D, Hawaii Administrative Rules §11-54 and §11-55, Hanalei Harbor and Kalaheo Harbors Point Harbor's Small Municipal Storm Water Sewer System (Small MS4) National Pollutant Discharge Elimination System Permits (NPDES Permit Nos. HI 03K0462 and HI 03K0465), and Harbors Storm Water Management Plan. Failure to do so may result in penalties. I hereby acknowledge that personnel from the Hawaii Department of Transportation Harbors Division or Hawaii Department of Health has the right of access to the site at all times for the purpose of on-site inspections during the course of construction and to perform inspections following the project completion. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Name:	Job Title:
Signature: _____ Date: _____	
Review: HOOT Harbors Project Manager and Environmental Section	
Harbors Project Manager Signature:	Print Name: _____ Date: _____
Harbors Environmental Section Signature:	Print Name: _____ Date: _____

Notes:

- This form is for the use on projects that will disturb less than 1 acre and are not a part of Large Common Plan (LCP) for development. If this project is part of a LCP for sale or development this form may not be used.
- You must type or print legibly. You must include the original, signed notification form and two (2) copies of a sketched plan outlining the anticipated activities and the location of all proposed sediment and erosion control devices.
- The following activities, if they do not affect the Harbors storm drainage system, are exempt from any formal project review and construction site-inspection requirements under the Harbors Construction Site Runoff Control Program:
 - Minor land disturbance activities performed by a property owner or employee on a single lot (such as minor landscaping activities). Activities must disturb no more than 10 cubic yards or 1/4 acre.
 - Post and pole installation (less than 2 cubic yards excavation at any one contiguous project location).
 - Utility repair work (less than 2 cubic yards excavation at any one contiguous project location).
 - Parking lot, driveway, and other paved surfaces repair (less than 1/4 acre disturbed and no sediment leaves the property).
 - All repair and maintenance activities.

HOOT Harbors Division – Notification Form for Project Sites Disturbing Less Than One Acre Page 2 of 2 Version 2.2
HOOT HAR-EE Form SO-1_NPT 08/12

CONSTRUCTION SITE RUNOFF CONTROL (BMP Specification Documents)

- City and County of Honolulu Construction BMPs
- HDOT Harbors Water Pollution Control Spec

ARTICLE XXX – TEMPORARY WATER POLLUTION, DUST, AND EROSION CONTROL

XXX.XX Description. This section is required for all work and describes the following:

- (A) A detailed site-specific Best Management Practices (BMP) Plan including diagrams and narratives; constructing, maintaining, and repairing temporary water pollution, dust, and erosion control measures at the project site including local material sources, work areas and access roads; removing and disposing of wastes and hazardous wastes; and control of fugitive dust (defined as uncontrolled emission of solid airborne particulate matter from any source other than combustion). For projects that require a National Pollutant Discharge Elimination System (NPDES) Appendix C General Permit from the Department of Health (DOH), the Site-Specific Construction Best Management Practices (SSCBMP) Plan required for the permit shall satisfy this requirement.
- (B) Compliance with applicable State and Federal permit conditions.
- (C) Work associated with dewatering and hydrotesting activities and compliance with conditions of the NPDES general permit coverage authorizing discharges associated with construction activity dewatering and hydrotesting.

Requirements of this section also apply to the Contractor's storage sites.

XXX.XX General Requirements. In order to provide for the control of water pollution, dust, and erosion arising from the construction activities of the Contractor and his subcontractors in the performance of this contract, the work performed shall comply with the intent of applicable Federal, State and local laws and regulations concerning water pollution control including, but not limited to, the following regulations:

- (A) State of Hawaii, Department of Health, Administrative Rules, Chapter 54, Water Quality Standards and Chapter 55, Water Pollution Control.
- (B) 49 Code of Federal Regulations 171, Department of Transportation Hazardous Materials Regulations.
- (C) 40 Code of Federal Regulations 261, Environmental Protection Agency Identification and Listing of Hazardous Waste.

XXX.XX Materials. Materials shall conform to the following:

- (A) **Slope Drains.** Slope drains may be constructed of pipe, fiber, mats, erosion control fabric, geotextiles, rubble, Portland cement concrete, bituminous concrete, plastic sheets, or other materials acceptable to the Engineer.

Minimum Control Measure 4

CONSTRUCTION SITE RUNOFF CONTROL

(Inspection Frequency: Construction Project Subject to NPDES Permit)

TENANTS

INSPECTION WITHIN **24-HOURS** OF ANY RAINFALL $\geq 0.5''$

WEEKLY SELF-INSPECTION

HARBORS

BIWEEKLY (OCTOBER through MARCH)

BIMONTHLY (APRIL through SEPTEMBER)

Construction Equipment Cleaning



Construction Equipment Cleaning



Examples of Illicit Discharges Construction Sites







06/28/2013 09:38







POST-CONSTRUCTION STORMWATER MANAGEMENT (1 or more acres)

DRAFT



Post-Construction Storm Water Management in
New Development and Redevelopment
Honolulu and Kalaheo Barbers Point Harbors



Small Municipal Separate Storm Sewer Systems
File Nos. HI 03KB482 and HI 03KB488



Prepared For:

State of Hawaii
Department of Transportation
Harbors Division
79 South Nimitz Highway
Honolulu, Hawaii 96813

June 2013

Version 2.0

NEW DEVELOPMENT

Land disturbing activities; structural development, including construction or installation of a building or structure, and the creation of impervious surfaces;

REDEVELOPMENT

Development that would create or add impervious surface area on an already developed site.

Redevelopment includes, but is not limited to:

- **Expansion of a building footprint;**
- **Addition to or replacement of a structure;**
- **Replacement of an impervious surface that is not part of a routine maintenance activity; and**
- **Land disturbing activities related to structural or impervious surfaces.**

OTHERS (<1 acre)

If potential to discharge pollutants

Minimum Control Measure 5

POST-CONSTRUCTION CONTROLS

Considering water quality impacts early in the design process can provide long-term water quality benefits and lower administrative environmental management costs.

- ❑ **Low-Impact Development**
- ❑ **Green Design**
- ❑ **Site Specific/Innovative BMPs**
- ❑ **Infiltration**
- ❑ **Filtration**
- ❑ **Retention/Detention**
- ❑ **Isolation/Separation of Runoff from Processes**

Retrofits you can use to manage your site:

- Eliminating Curbs and Gutters
- Green Parking
- Green Roofs
- Rain Barrels / Cisterns
- Protection of Natural Features
- Urban Forestry
- Grassed Swales
- Infiltration Basin/Trench
- Permeable Pavement
- Porous Asphalt Pavement
- Vegetated Filter Strip
- Dry Detention Ponds
- Storm Water Wetland

Examples of Post-Construction BMPs

TRENCH DRAIN FILTER



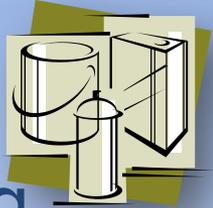


Examples of Post-Construction BMPs
RAIN BARRELS

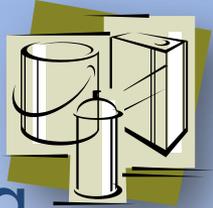


Examples of Post-Construction BMPs
PERMANENT DRAIN INLET FILTERS

Minimum Control Measure 6 Pollution Prevention & Good Housekeeping



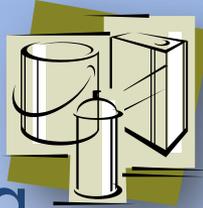
Minimum Control Measure 6 Pollution Prevention & Good Housekeeping



All drums should be in good, working condition. Inspections should be held regularly and any drums with damage should be replaced immediately.



Minimum Control Measure 6 Pollution Prevention & Good Housekeeping

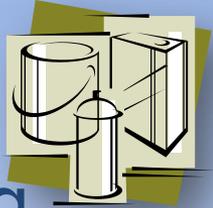


Access to chemicals should be restricted to personnel trained in proper handling and disposal procedures; all must be labeled and have MSDS available



Flammable chemicals, solvents, and paints should be stored in a fireproof locker. Chemicals must be separated by compatibility

Minimum Control Measure 6 Pollution Prevention & Good Housekeeping



Do not overfill



Trash bin kept covered when not in use



Keep trash and debris from accumulating around the bin, because storm water will carry it out to the ocean

HERBICIDES AND PESTICIDES

- Appendix M of HAR, Chapter 11-55 is the NPDES General Permit authorizing point source discharges from the application of pesticides.
- These are covered:
 - ▣ Section 1(a)(1): Mosquito and Other Flying Insect Pest Control
 - Into or over State Waters.
 - ▣ Section 1(a)(2): Weed and Algae Pest Control
 - In State Waters and at water's edge, including ditches or canals
 - ▣ Section 1(a)(3): Animal Pest Control
 - Into State Waters
 - ▣ Section 1(a)(4): Forest Canopy Pest Control
 - In, over or to forest canopy when State waters are below

HERBICIDES AND PESTICIDES



GENERAL

- Read/Follow the Label
- Use manual or mechanical methods before chemical and use least toxic chemical
- Use bio-degradable chemical



MIXING

- Read/Follow the Label
- Mix over secondary containment
- Designated mixing spot
- Label all containers
- Make just enough for the job
- Use rinse water as dilution for next batch



APPLICATION

- Read/Follow the Label
- Don't apply in wind or rain
- Choose spot application rather than broadcast
- Have No Spray Zones near water
- Avoid spraying near water unless approved



CLEAN-UP

- Read/Follow the Label
- Follow manufacturer clean-up guidance
- Sweep sidewalks
- Clean-up immediately
- Labels
- Proper disposal (use it all)
- Triple Rinse
- Rinse water to application area
- Proper disposal



STORAGE

- Read/Follow the Label
- Secondary Containment
- Designated Location
- Clearly and Correctly Marked

Enforcement Actions

Regulatory Mechanisms

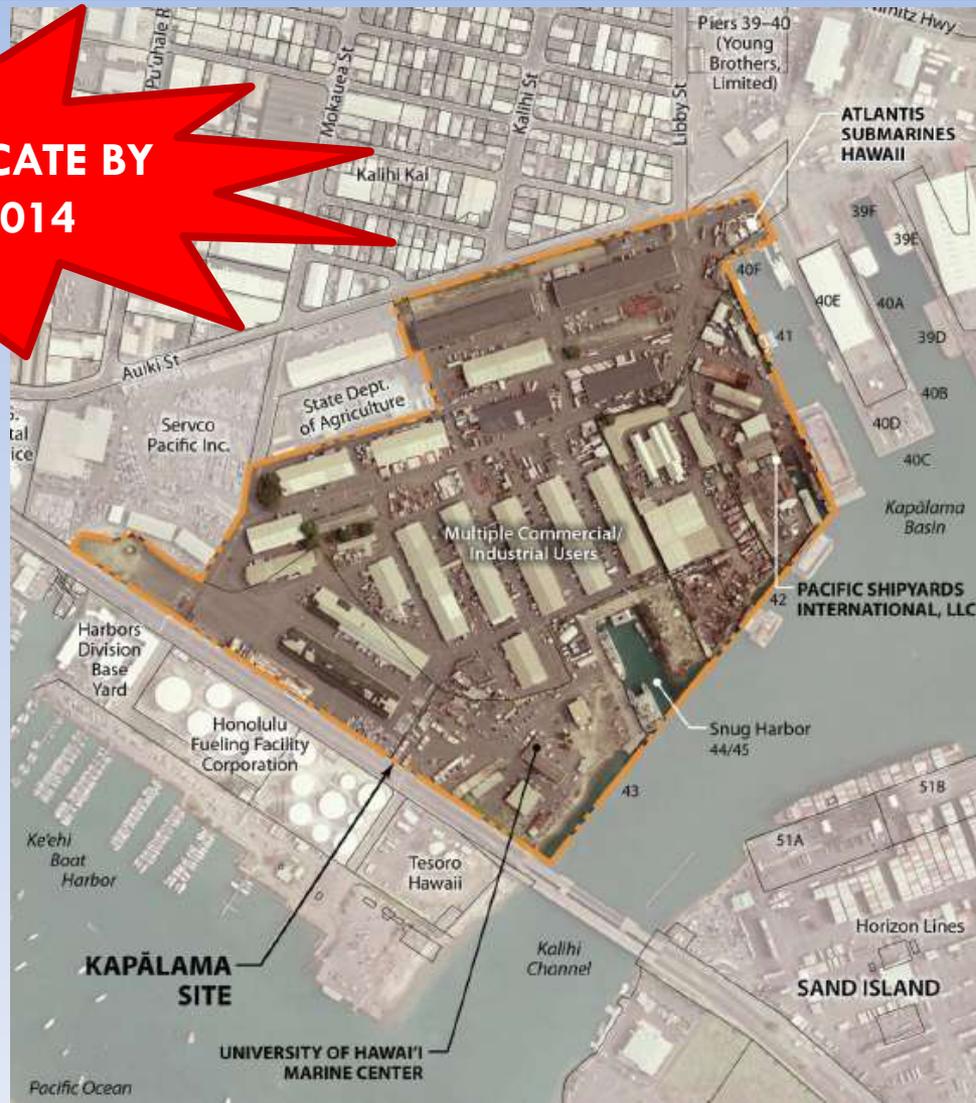
- Hawaii Administrative Rules (HAR)
- Hawaii Revised Statutes (HRS)
- Tenant Leases/Revocable Permits / Construction contracts
- 40 CFR - Clean Water Act & NPDES
- Other Applicable State & Federal Regulations

Penalties for Lack of Compliance (dependant on severity of violation)

- **VERBAL WARNINGS**
- **WRITTEN NOTICES**
- Citation with Monetary Fines
- Stop Work Orders
- Abatement by Harbors Division with Reimbursement by the Responsible Party
- **LEASE OR RP TERMINATION (TENANT)**
- Referral to HDOH or Other Appropriate Regulatory Agency

KMR Renovation

**TENANTS RELOCATE BY
FEBRUARY 2014**



COMING
12/18/2013

Vessels

Small Vessel General Permit - General Requirements



Minimize the potential for substances or pollutants to accidentally enter the effluent, including spills.



The discharge of antifreeze into waters subject to this permit must be minimized. For vessel engines that have been winterized, minimization can be achieved by draining antifreeze from the engine prior to startup or capturing antifreeze when discharged from the engine upon startup. The discharge of antifreeze with toxic or known carcinogenic additives, such as ethylene glycol and methanol, is prohibited.



May not contain visible garbage in the effluent.



When feasible, cleaning, maintenance, and repair jobs should be done while the vessel is out of the water or in drydock.



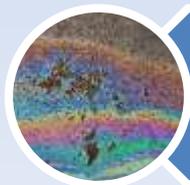
May not use any dispersants, cleaners, chemicals, or other materials or emulsifiers that would remove the appearance of a visible sheen.



Any soaps, detergents or cleaners used must be non-toxic, phosphate-free, and biodegradable. Phosphate-free soap contains by weight 0.5% or less of phosphates or derivatives of phosphates.



Minimize the introduction of constituents of concern or pollutants, such as foam or floating solids.



Oil, including oily mixtures, may not be discharged in quantities that may be harmful or cause a visible sheen.



Any spill of oil or other harmful chemicals that are discharged in a quantity that may be harmful or cause a visible sheen as established under 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302, must be reported immediately to the National Response Center at 1-800-424-8802. The National Response Center can also be contacted through their website at: www.nrc.uscg.mil.

FOR MORE INFORMATION...

**VESSEL GENERAL
PERMIT LINK**



<http://cfpub.epa.gov/npdes/vessels/vgpermit.cfm>



**HARBORS SWMP
LINK**

<http://hidot.hawaii.gov/harbors/library/storm-water-management/>

STORM WATER CONTACTS

DISCHARGES ON LAND – HARBORS HOTLINE (WORK HOURS)

- Harbors Hotline @ (808) 587-1962

DISCHARGES OVER WATER (24 HOURS / 7 DAYS A WEEK)

- Harbor Traffic Control Unit @ (808) 587-2076

SERIOUS OFFENSES

- Hawaii Department of Health, Clean Water Branch @ (808) 586-4309
- U.S. Coast Guard @ (800) 424-8802
- USEPA @ (808) 541-2721



MĀLAMA I KE KAI – PROTECT OUR OCEAN WATER

**PLEASE SHARE THIS PRESENTATION WITH ALL YOUR
EMPLOYEES (ON WEBSITE BELOW)**

<http://hidot.hawaii.gov/harbors/library/storm-water-management/>

QUESTIONS OR COMMENTS?

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