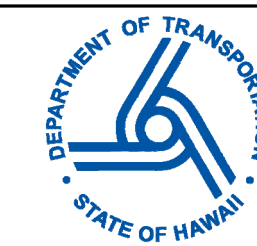# STATE OF HAWAII, DEPARTMENT OF TRANSPORTATION, AIRPORTS DIVISION
KAHULUI AIRPORT STORMWATER MANAGEMENT PROGRAM PLAN
MS4 NPDES Permit HI14KE349

Public Education and Outreach
To educate individuals with regular access to the airport (DOTA employees, tenants, and contractors) on how their activities could impact the OGG Small MS4 and to provide methods to minimize that impact.

Logo and Message
- *Description:* DOTA will include the new Malama I Ka Wai water drop fish logo (instead of COP logo) in materials such as print media and training presentations.
- *Responsible:* DOTA Environmental Section.
- *Goal:* Ensure all training presentations and print media include the Malama I Ka Wai water drop fish logo.
- *Reporting:* Include logo usage in the annual report.

Training Programs

Tenant Stormwater Training
- *Description:* Annual classroom and/or online training presentation for airport tenants on impacts to stormwater runoff, preventing illicit discharges, common BMPs, spill response, and triturator use (as applicable).
- *Responsible:* DOTA Environmental Section.
- *Goal:* 60% of airport tenants have at least one trained person. That person will be responsible for training other personnel at their facility.
- *Reporting:* Compare list of tenants from AMS database to tenant training rosters.

DOTA Maintenance Baseyard Training
- *Description:* Annual classroom and/or handout training for DOTA employees involved in maintenance activities on impacts to stormwater runoff, preventing illicit discharges, common BMPs, spill response, chemical applications, proper storage and disposal of chemicals and waste, and other environmental regulations/programs.
- *Responsible:* DOTA Environmental Section will assist with preparing training materials. Baseyard Supervisor will ensure personnel are trained.
- *Goal:* 70% of DOTA maintenance personnel are trained.
- *Reporting:* Compare employee list to training rosters.

Construction / Post-Construction Activities Training
- *Description:* Annual classroom and/or online training for individuals (DOTA Engineers, Construction Managers, Contractors) involved in construction on the construction / post-construction program at the airport.
- *Responsible:* DOTA Environmental Section will assist with preparing training materials. DOTA Project Manager (Division for DOTA projects and District for tenant projects) will be responsible for ensuring personnel are trained.
- *Goal:* 80% of contractors have at least one trained person. That person will be responsible for training other personnel at their job site.
- *Reporting:* Compare list of construction projects from AMS to training rosters.

Public Service Announcement (PSA)
- *Description:* Develop a PSA for television, radio, or the newspaper that conveys the message about preventing stormwater pollution. DOTA will attempt to work with local youth groups to facilitate increased public involvement.
- *Responsible:* DOTA Environmental Section.
- *Goal:* Develop and air one PSA during the term of the permit.
- *Reporting:* It will be communicated in the annual report when completed.

Print Information

Tenant Brochures / Fact Sheets
- *Description:* Develop a brochure and/or fact sheet on illicit discharge detection and elimination or other common BMPs and distribute to airport tenants.
- *Responsible:* DOTA Environmental Section.
- *Goal:* Distribute materials to 80% of tenants inspected.
- *Reporting:* Distribution of materials will be tracked. Then this will be compared to the number of inspections completed.
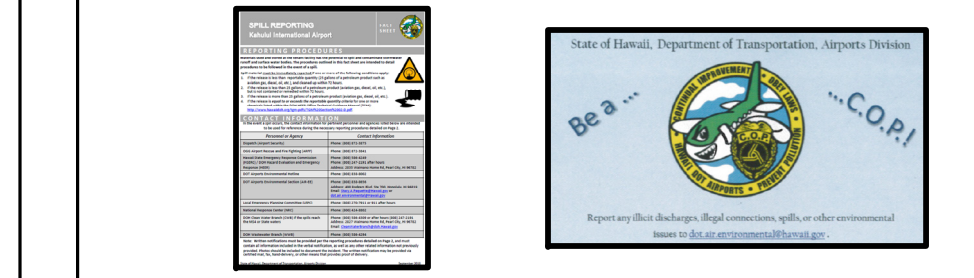
Business Cards
- *Description:* DOTA Maintenance employees will be provided with a business card that includes information about reporting illicit discharges as well as the DOTA environmental policy.
- *Responsible:* DOTA Environmental Section will develop the cards. Baseyard Supervisor will distribute the cards.
- *Goal:* Distribute cards once per permit term.
- *Reporting:* Report number of employees and number of cards distributed.

Drain Inlet Labeling
- *Description:* Label drain inlets and catch basins in public areas such as parking lots and terminal areas with "No Dumping, Drains to the Ocean" message.
- *Responsible:* DOTA Maintenance Dept or DOTA Contractor.
- *Goal:* Label 60% of structures in public areas.
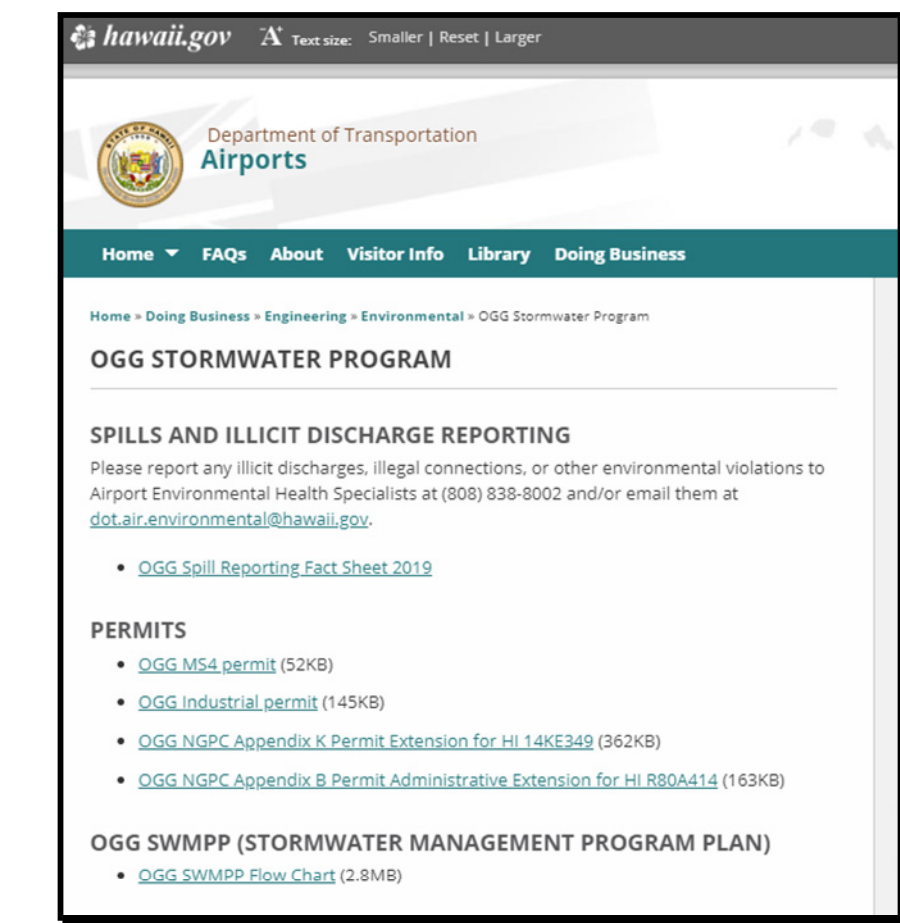- *Reporting:* Document list of drainage structures in public areas labeled in the annual report.

Public Involvement
To facilitate the involvement of individuals (DOTA employees, tenants, and contractors) with regular access to the airport in the SWMPP.

Stormwater Hotline
- *Description:* A phone number will be posted for the public, airport users, and DOTA employees to report illicit discharges and spills.
- *Responsible:* The Airport Operations Control Section will field calls 24/7. DOTA Environmental Section will field calls during work hours, obtain data from the Airport Duty Manager, conduct follow-up, and enter in AMS.
- *Goal:* Advertise hotline number in two different media, such as the DOTA website, tenant training session, and print media.
- *Reporting:* In the annual report, report the number of media where the hotline has been advertised.

Public Review and Comment of SWMPP
- *Description:* The public will be given a chance to review the OGG SWMPP and make comments. Comments will be incorporated into the plan where possible.
- *Responsible:* DOTA Environmental Section.
- *Goal:* Post OGG SWMPP on the DOTA website and allow public comment for a 30 day period.
- *Reporting:* DOTA Environmental Section will document comments and DOTA responses. These will be provided with SWMPP e-Permitting submittal to DOH.

DOTA Website
- *Description:* Applicable documents, information, and items for public review and comment are posted on the website: http://hidot.hawaii.gov/airports/doing-business/engineering/environmental/ogg-storm-water-program/
- *Responsible:* DOTA Environmental Section will provide data to post. DOTA Information Technology Section will make website updates.
- *Goal:* Update website to include OGG SWMPP and supporting documents.
- *Reporting:* Use of website will be included in the annual report.

Illicit Discharge Detection and Elimination
To identify and prevent non-stormwater discharges that pose a risk to the OGG Small MS4.

Illicit Discharge Investigation and Enforcement
- *Description:* Prevent, detect, and remove illicit discharges and illegal connections to the MS4.
- *Responsible:* DOTA Environmental Section will conduct investigation and enforcement.
- *Goal:* Conduct an investigation for 90% of reported illicit discharges.
- *Reporting:* Data on illicit discharge investigations will be compared to reports of illicit discharges in DOTA's AMS.


IDDE Investigation and Enforcement Program

Outfall Inspections
- *Description:* Conduct a dry weather screening of MS4 outfalls in order to facilitate discovery of illicit discharges.
- *Responsible:* DOTA Environmental Section.
- *Goal:* Conduct outfall inspections at the frequency specified in the plan.
- *Reporting:* Outfall inspections will be documented in AMS and reported each year in the annual report.


Outfall Inspection & Field Screening Plan

Tenants

Tenant Discharge Permit (Enforcement Rules)
- *Description:* Tenants are required to apply for a DOTA Discharge Permit, agreeing to implement BMPs to minimize any impact from tenant activities to the OGG Small MS4.
- *Responsible:* DOTA Environmental Section.
- *Goal:* By 12/31/2019, have 100% of tenants submit the Discharge Permit.
- *Reporting:* Tenants permits will be recorded in AMS and compared to the tenant inventory.
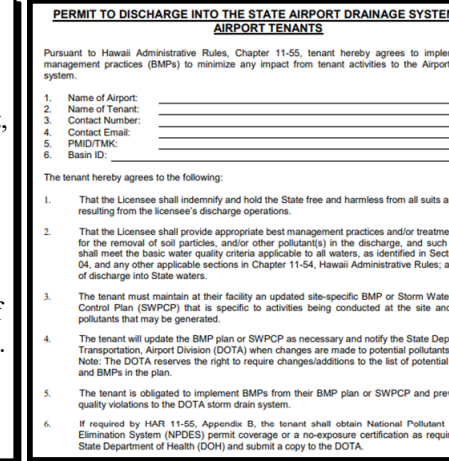
Tenant Inventory
- *Description:* Maintain an inventory of tenants including company name; mailing address; physical location; POC name, phone number, and email; SIC code; permits; plans; and assets within the AMS.
- *Responsible:* Airport Manager / Property Management is responsible for issuing and tracking new leases. DOTA Environmental Section is responsible for reviewing listings of new leases and making updates to AMS.
- *Goal:* By 12/31/2017, identify all tenants on airport property and log in AMS.
- *Reporting:* A tenant inventory will be included in the annual report.
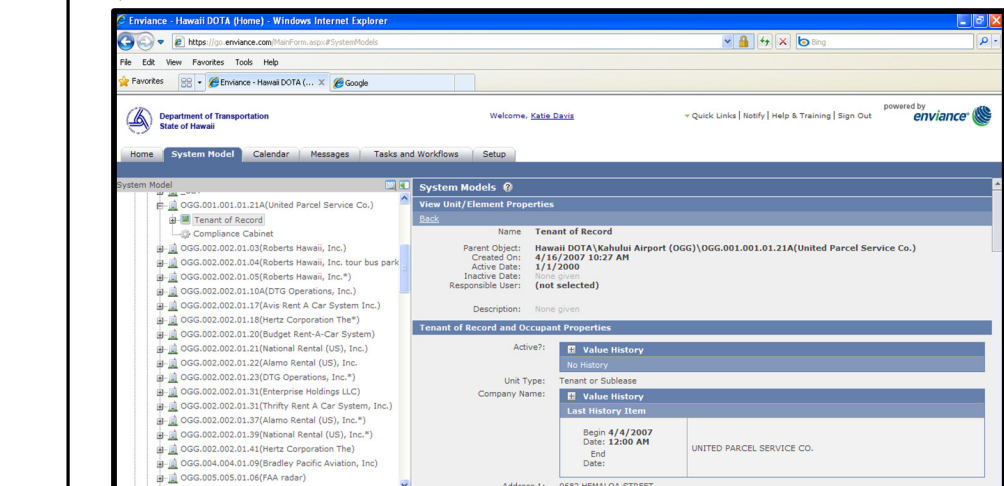
Tenant Inspections
- *Description:* Conduct tenant inspections as described in the *Tenant Inspection & Enforcement Manual* to ensure tenants are implementing BMPs.
- *Responsible:* DOTA Environmental Section.
- *Goal:* By 12/31/2017, inspect and risk rank all tenants on airport property and log in AMS.
- *Reporting:* Provide number of tenant inspections and risk rankings in the annual report.

Tenant Inspection & Enforcement Manual

BMPs for Tenant Operations at State of Hawaii Airports

Construction
*To address potential stormwater pollutants that may be generated by land disturbing activities and/or their support facilities of **one acre or more.***

Post-Construction
*To implement permanent BMPs for construction activities that result in a land disturbance of **one acre or more** in order to minimize potential stormwater pollutants that may be generated by future activities on the site.*

Construction and Post-Construction Stormwater Management Plan

Construction Plan Review
- *Description:* Ensure that all construction projects disturbing ≥ 1 acre adhere to the DOTA construction program, as well as regulatory programs during the design phase.
- *Responsible:* Engineer Project Manager will notify DOTA Environmental Section of new projects. DOTA Environmental Section will conduct plan review to ensure that plans meet DOTA SWMPP requirements and that the designer includes all appropriate temporary BMPs.
- *Goal:* By 12/31/2018, 90% of construction projects will complete the plan review phase prior to initiating work.
- *Reporting:* A construction project inventory as well as plan reviews will be kept in AMS and compared in the annual report.

Enforcement Rules
- *Description:* Rules requiring the implementation of construction BMPs, including sediment and erosion controls.
- *Responsible:* DOTA Environmental Section and Engineer Project Manager.
- *Goal:* By 12/31/2017, ensure that rules are sufficient.
- *Reporting:* Documentation of any updates will be provided in the annual report.

Construction Inspections
- *Description:* Conduct construction inspections as described in the *Construction and Post-Construction Stormwater Management Plan.*
- *Responsible:* DOTA Environmental Section and third party inspector provide oversight and inspections for tenant improvement projects and DOTA projects.
- *Goal:* By 12/31/2018, conduct all required inspections.
- *Reporting:* Number of inspections will be compared to the number of construction sites in AMS in the annual report.

Post-Construction BMP Plan Review
- *Description:* Ensure that all construction projects disturbing ≥ 1 acre have considered the inclusion of permanent BMPs and projects that include permanent BMPs have a long-term maintenance plan.
- *Responsible:* Engineer Project Manager will notify DOTA Environmental Section of new projects. DOTA Environmental Section will conduct plan review to ensure that plans meet DOTA SWMPP requirements and the designer considers permanent BMPs.
- *Goal:* By 12/31/2018, 80% of applicable construction projects will include consideration for permanent BMPs.
- *Reporting:* A record of projects disturbing ≥ 1 acre will be kept in AMS and compared to the list of projects that have completed the Design Review Checklist and included the consideration of permanent BMPs.

Enforcement Rules
- *Description:* Rules requiring the implementation of post-construction BMPs and long term plan for maintenance. For DOTA projects, contractors are bound via their construction contracts. For tenant projects, tenants are bound due to their discharge permits.
- *Responsible:* DOTA Environmental Section and Engineer Project Manager.
- *Goal:* By 12/31/2017, ensure that rules are sufficient.
- *Reporting:* Documentation of the review will be provided in the 2017 annual report.

Permanent BMP Installation
- *Description:* Ensure that contractor provides O&M for the installed permanent BMPs and provides training on maintenance, if needed. DOTA can use their own O&M Manual or commonly used permanent BMPs.
- *Responsible:* DOTA Environmental Section.
- *Goal:* 90% of permanent BMPs installed have O&M guidance documentation.
- *Reporting:* Status of the installed permanent BMP and associated O&M documentation will be included in the annual report.


Permanent BMP Inspection & Maintenance
- *Description:* Ensure that permanent BMPs are inspected at least annually and maintained as needed.
- *Responsible:* District Manager funds and/or DOTA Environmental Section inspection/cleaning maintenance contract. DOTA Environmental Section to record cleaning data in AMS.
- *Goal:* 80% of permanent BMPs are properly inspected and maintained.
- *Reporting:* DOTA Environmental Section will pull AMS report to include in the annual report.

Pollution Prevention / Good Housekeeping
To prevent and reduce stormwater pollution from common airport activities.

Debris Control Programs

OGG Drainage Map
- *Description:* Map of OGG with all drainage structures identified.
- *Responsible:* DOTA Environmental Section and/or Drafting Dept and/or IT Dept is responsible for verifying and updating map. Engineer Project Managers are responsible for notifying DOTA Environmental Section of the addition or removal of drainage structures.
- *Goal:* Annual review of the map to ensure it is kept up-to-date.
- *Reporting:* Changes to drainage system will be identified in the annual report.

Kahului Airport Drainage Map
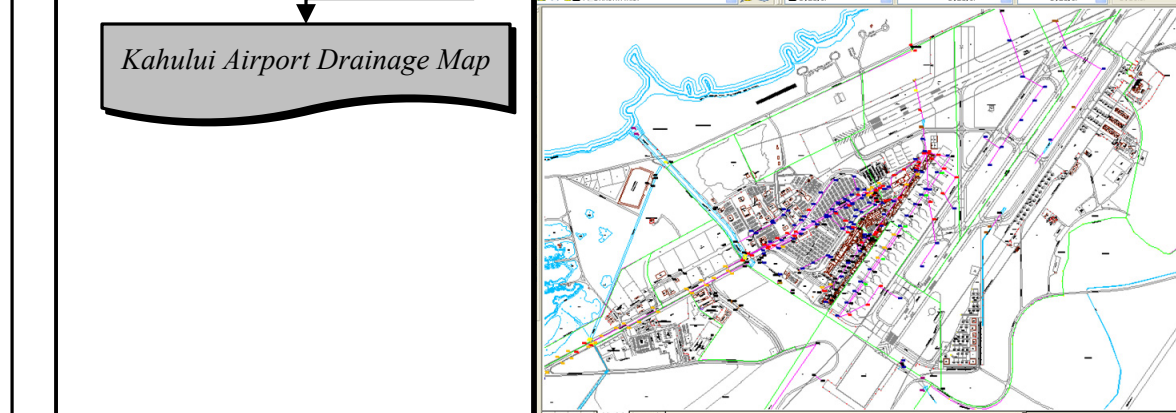
Drain Inlet Inspection and Cleaning
- *Description:* Initially, storm drain inlets and catch basins will be inspected and cleaned, as necessary. After several cleanings, structures may be ranked and frequency of future inspections / cleanings may be based on the rankings.
- *Responsible:* District Manager funds and/or DOTA Environmental Section inspection/cleaning maintenance contract. DOTA Environmental Section will track inspection / cleaning data in AMS.
- *Goal:* 1) Verify and inspect 85% of drain inlets and catch basins on drainage map during 2016 & 2017. 2) Clean drain inlets and catch basins as needed.
- *Reporting:* Compile list drainage structures with inspection data from AMS and include in annual report.

Canal Inspection and Cleaning
- *Description:* Remove debris from drainage canals owned by DOTA.
- *Responsible:* District Manager funds and/or DOTA Environmental Section inspection/cleaning maintenance contract. DOTA Environmental Section will record inspection and cleaning data.
- *Goal:* Inspect canals annually and clean as needed.
- *Reporting:* Provide inspection and cleaning data in the annual report.

Street Sweeping
- *Description:* Conduct street sweeping at frequently used paved areas of the airport to remove accumulated sediment, trash, and debris.
- *Responsible:* DOTA Maintenance Baseyard personnel directing and completing sweeping operations. DOTA Environmental Section will record cleaning data.
- *Goal:* Identify areas needing sweeping and complete log.
- *Reporting:* Street sweeping data will be communicated in the annual report.

Maintenance Baseyard Activities

Maintenance Baseyard
- *Description:* Industrial activities at OGG, including the Maintenance Baseyard, are covered under a separate permit, **Industrial Permit HI R80AA14**. Activities, BMPs, inspections, training, and stormwater monitoring are defined in the Industrial Permit and described in the *Kahului Airport Stormwater Pollution Control Plan (SWPCP).*

Acronyms
AMS – Asset Management System (Enviance, Veoci, or equivalent)
BMP – Best Management Practices
DOH – State of Hawaii, Department of Health, Clean Water Branch
DOTA – State of Hawaii, Department of Transportation, Airports Division
EHS – Environmental Health Specialist
HAR – Hawaii Administrative Rules
IDDE – Illicit Discharge Detection and Elimination
MS4 – Municipal Separate Storm Sewer System
NPDES – National Pollutant Discharge Elimination System
OGG – Kahului Airport
PSA – Public Service Announcement
SWMPP – Stormwater Management Program Plan
SWPCP – Stormwater Pollution Control Plan

Note
All documents referenced (gray blocks) are available on the DOTA website for Kahului. http://hidot.hawaii.gov/airports/doing-business/engineering/environmental/ogg-stormwater-program/

KAHULUI AIRPORT (OGG)

PROTECT OUR WATER
MĀLAMA I KA WAI