

CITY'S POST-CONSTRUCTION STORM WATER MANAGEMENT PROGRAM

Development and redevelopment activities can permanently alter natural surfaces and drainage patterns, resulting in long-term water quality impacts from increased runoff and increased pollutant discharges. The City's Post-Construction Storm Water Management Program manages the potential impacts from projects that disturb one acre or more and smaller projects that have the potential to discharge pollutants into the City's drainage system, also known as the Municipal Separate Storm Sewer System (MS4). These projects are required to include Post-Construction Best Management Practices (BMPs) to reduce pollutant discharges to the Maximum Extent Practicable (MEP).

Post-Construction BMPs are designed into a property at the time of construction and the inspection and maintenance are part of the Drain Connection License agreement. This brochure reviews the City's recommendations for maintenance and inspection of post-construction BMPs.



A subsurface infiltration system is a BMP that stores runoff underground until it infiltrates into the ground.

VISIT THE WEBSITE
WWW.CLEANWATERHONOLULU.COM

OR
CALL THE
ENVIRONMENTAL CONCERN LINE

768-3300

The Law: The Federal Clean Water Act gave the Environmental Protection Agency (EPA) the authority to implement water pollution control programs. Local statutes and ordinances address compliance and enforcement of the EPA's mandates.

The Ordinance: The Revised Ordinances of Honolulu, Section 14-12.23(a) Environmental Quality Control-Violation states, "It shall be unlawful for any person to discharge or cause to be discharged any pollutant into any drainage facility which causes a pollution problem in state waters, or causes a violation of any provision of the City NPDES [National Pollutant Discharge Elimination System] permit or the water quality standards of the State of Hawaii."

Discharging pollutants to the storm drain system is against the law. Violations can result in fines of up to \$25,000 per violation, per day.

REFERENCE:

City and County of Honolulu. Revised 2013. Rules Relating to Storm Drainage Standards. http://www.cleanwaterhonolulu.com/storm/notices/2013_sds/

City and County of Honolulu. 2012. Storm Water BMP Guide. <http://www.honolulu.gov/reportsnotices/stormwaterqualitypage.aspx>

United States Environmental Protection Agency. 2009. Stormwater Discharges From Industrial Facilities. <http://cfpub.epa.gov/npdes/stormwater/indust.cfm>

STORM WATER BEST MANAGEMENT PRACTICES



**POST CONSTRUCTION
Inspection and Maintenance**

City and County of Honolulu
Department of Facility Maintenance



STORM WATER QUALITY REPORT (SWQR)

A Storm Water Quality Report (SWQR) may have been submitted by the developer or property owner prior to development of a property as part of the Drain Connection License and/or the Storm Water Pollution Control Plan. It is important for the owner/occupant to review the plan requirements since the maintenance and inspection of Best Management Practices (BMPs) could affect the everyday operation of the facility. For this reason the City recommends that each facility prepare its own written SWQR to incorporate maintenance, inspection, and training into its storm water management plan.

The SWQR should include the following information:

- A map and inventory with photos of all storm water BMPs installed on-site.
- An inspection and maintenance manual.
- A schedule of inspection and maintenance activities.
- An inspection and maintenance log.
- A training schedule for staff.



Schedule inspections at regular intervals and after major rain events.



Regular inspection and maintenance of BMPs is important to ensure that they are working properly.

INSPECTION AND MAINTENANCE REQUIREMENTS

Ongoing inspection and maintenance for Post-Construction BMPs are required to ensure that they are working properly. Recommendations for operation and frequency of maintenance are different for each BMP, but regular inspection and maintenance should be at scheduled intervals and after major rain events. Facilities should also keep logs documenting inspection and maintenance activities.

For more information about different BMPs, as well as suggested maintenance activities for each, see the City's Storm Water BMP Guide at:

<http://www.honoluluwdpp.org/reportsnotices/stormwaterqualitypage.aspx>

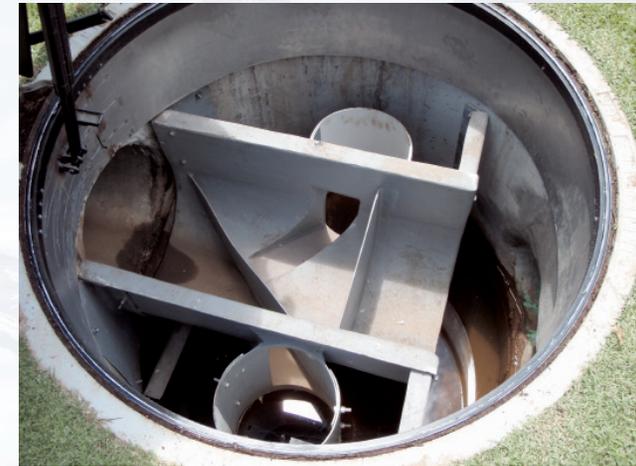
THE CITY'S POST-CONSTRUCTION INSPECTION PROGRAM

To ensure that Post-Construction BMPs are working as intended, the City has developed a program to inspect sites to ensure that they are being inspected and maintained. City inspections are performed at least once a year, with possible additional inspections after large storm events. City inspections include a discussion with a property representative, review of the facility's inspection and maintenance records and review of its SWQR, if available.

ADDITIONAL RECOMMENDATIONS

The property owner/occupant should be aware of the terms and conditions of his Drainage Connection License.

The property owner is responsible for any discharge of pollutants from his property into the City's drainage system (MS4), regardless of who causes the violation. Therefore, the property owner should notify any property manager or lessee using his site of storm water requirements.



This water quality unit is a BMP that removes pollutants as runoff flows through it.