

Storm Water BEST MANAGEMENT PRACTICES



Storm Drain Inlet Protection

Storm water runoff occurs naturally. As the runoff flows over land or impervious surfaces (such as paved streets, parking lots, and building rooftops), it can collect debris, chemicals, sediment and other pollutants that could adversely affect water quality if discharged untreated. Storm drain inlet protection measures prevent potential pollutants from entering inlets and eventually our coastal receiving waters.

Storm drain inlet protection can consist of an impounding area around or upstream of a storm drain inlet and/or a sediment filter. The impounding area temporarily ponds runoff to allow sediment to settle, before entering the storm drain. Sediment and debris can also be removed by filtering.

ONLY RAIN AND PERMITTED DISCHARGES ARE ALLOWED TO ENTER HARBORS STORM WATER CONVEYANCE SYSTEMS.

Harbors Tenants shall implement following BMPs for drain inlets located exclusively within the leased area.

- Stencil catch basins and inlets to warn against dumping of pollutants into the storm drainage system.
- Install fabric filter at each on-site storm drain inlet. The fabric should overlap the sides of the inlet.
- Clean on-site catch basins and storm drain inlets in high pollutant load areas as frequently as needed and before the wet season to remove sediment and debris.
- Notify Harbors Division if repairs are needed for deteriorated storm drains and their piping.
- For storm drain inlet protection as part of construction project, please refer to Harbors Construction Site Runoff Control Program.

Inspection and Maintenance:

- If the fabric becomes clogged, torn, or degraded, it should be replaced.
- Properly dispose of wastes collected from storm drain inlet cleaning activities.

The State Department of Transportation, Harbors Division has developed the Storm Water Management Plan (SWMP) in compliance with the National Pollutant Discharge Elimination System (NPDES) Permit.

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

Phone: 808-587-1962

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

