



**Infiltration Trench**

## MAINTENANCE MATTERS

The expected lifespan for most Post-Construction Treatment Control BMPs is 25 years or more with proper maintenance.

Routine inspections and maintenance are necessary to retain long-term functionality and compliance with the Water Quality Rules.

Learn how to maintain your Post-Construction Permanent BMPs  
Watch the Training Video: <https://bit.ly/MaintainYourBMP>  
Take the Interactive Course: <https://bit.ly/BMPMaintenanceCourse>

## ROUTINE MAINTENANCE FOR POST-CONSTRUCTION TREATMENT CONTROL BMPs



**Infiltration Trenches · Infiltration Basins  
Grass Filter Strips · Vegetated Swales  
Sand Filters · Tree Planters · Planter Boxes  
Bioretention Basins · Rain Gardens  
Manufactured Treatment Devices**



**Bioretention Basin**



**Rain Garden**

BE AN EVERYDAY  
**CLEAN WATER**

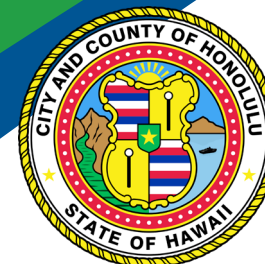


CLEANWATERHONOLULU.COM

### FOR MORE INFORMATION:

Storm Water Quality Online Learning Center  
for Construction & Post-Construction  
<http://www.honolulu.gov/dfmswq/learningctr.html>

Storm Water BMP Guide for  
New and Redevelopment  
<http://bit.ly/SWBMPGuide>



**CITY AND COUNTY OF HONOLULU  
DEPARTMENT OF FACILITY MAINTENANCE**



**Vegetated Swale**

## RECORD KEEPING

Keep a log of all routine O&M inspections and maintenance actions.

Records must be kept on site for a minimum of 5 years and be made available to the City immediately upon request.

Inadequately inspected and maintained BMPs may be subject to penalties.



Records can be used to request a reduced inspection and maintenance schedule from the Department of Facility Maintenance Storm Water Quality Division.

## WASTE HANDLING

Trash, filter media, and fine sediments are considered non-hazardous wastes and can be disposed of in the landfill.

Wastes may require special handling and disposal methods if they:

1. Originate from areas where chemicals or hazardous materials come in contact with storm water; or
2. Contain oil and grease, an oily sheen, odor, or other signs of contamination.

### Questions about proper disposal?

CONTACT:  
City Department of Environmental Services, Solid Waste Division  
(808) 768-3201  
householdhazardouswa@honolulu.gov

## INSPECTION AND MAINTENANCE REQUIREMENTS

Treatment Control BMPs must be inspected a minimum of 4 times per year (once per quarter) and maintenance must be performed at least once a year. **(Rules Relating to Water Quality §20-3-53)**

Certain Treatment Control BMPs may require more frequent inspections and maintenance depending on the amount and quality of runoff they receive. Follow the inspection schedule for optimal maintenance.



Find a local O&M service provider for your Manufactured Treatment Device at at [http://bit.ly/O\\_M\\_Services\\_Oahu](http://bit.ly/O_M_Services_Oahu)

| Issue  | Inspection Schedule  | Maintenance Solution   |
|--|--|--|
| <b>Persistent ponding or standing water after 24 hours</b><br>              | <ul style="list-style-type: none"> <li>- After a major rainfall (first 3 months)</li> <li>- Beginning &amp; end of wet season</li> </ul>         | <ul style="list-style-type: none"> <li>• Remove sediment or trash clogging the filter surface or underdrain and check for over compaction.</li> </ul>  |
| <b>Visible trash &amp; debris</b><br>                                       | <ul style="list-style-type: none"> <li>- Beginning &amp; end of wet season</li> <li>- After a major rainfall</li> </ul>                          | <ul style="list-style-type: none"> <li>• Rake in and around the system to clear inlets and outlets of leaves and other debris obstructing flow.</li> </ul>   |
| <b>Visible sediment accumulation in filter bed or in inlets/outlets</b><br> | <ul style="list-style-type: none"> <li>- Beginning &amp; end of wet season</li> <li>- After a major rainfall</li> </ul>                          | <ul style="list-style-type: none"> <li>• Rake the hard surface to remove excess sediment (&gt;2 in.) from the filter bed and uncover buried vegetation.</li> <li>• Remove any accumulated sediment from inlets/outlets.</li> </ul> |
| <b>Erosion around inlets &amp; areas with bare soil</b><br>                | <ul style="list-style-type: none"> <li>- Beginning &amp; end of wet season</li> <li>- After a major rainfall</li> </ul>                          | <ul style="list-style-type: none"> <li>• Remove obstructions and sediment to allow water to flow freely and disperse over a wide area.</li> <li>• Add/replace vegetation in eroded areas.</li> </ul>                               |
| <b>Vegetation looks unhealthy or is dead/dying</b><br>                    | <ul style="list-style-type: none"> <li>- Beginning and end of wet season (minimum)</li> <li>- As needed to achieve healthy vegetation</li> </ul> | <ul style="list-style-type: none"> <li>• Water plants until established. Inspect plants for signs of distress or disease.</li> <li>• Cut and remove any dead/dying vegetation and decaying plant material.</li> </ul>              |
| <b>Vegetation covers less than 90% of the area</b><br>                    | <ul style="list-style-type: none"> <li>- Quarterly (minimum)</li> <li>- Monthly</li> </ul>   | <ul style="list-style-type: none"> <li>• Remove weeds and replace with intended plants to achieve at least 90% coverage.</li> <li>• Maintain plants according to specified guidelines (trimming, mowing, etc.).</li> </ul>         |
| <b>Inlets/outlets appear deteriorated</b><br>                             | <ul style="list-style-type: none"> <li>- Annually</li> </ul>   | <ul style="list-style-type: none"> <li>• Repair or replace damaged structural parts (i.e. inlets, outlets, sidewalls).</li> </ul>  |



To determine if all the components of your BMP are functioning as they should, perform inspections for ponding or failure to drain during and immediately after a storm event.