



Operation and Maintenance

MS4 Workshops – Pollutant Reduction
and TMDL Stormwater Plans


Fall 2016

Tom Wolf, Governor

John Quigley, Acting Secretary

Training Goals


- To understand what needs to be submitted with your PRP regarding O&M
- Describe resources to assist in determining appropriate O&M

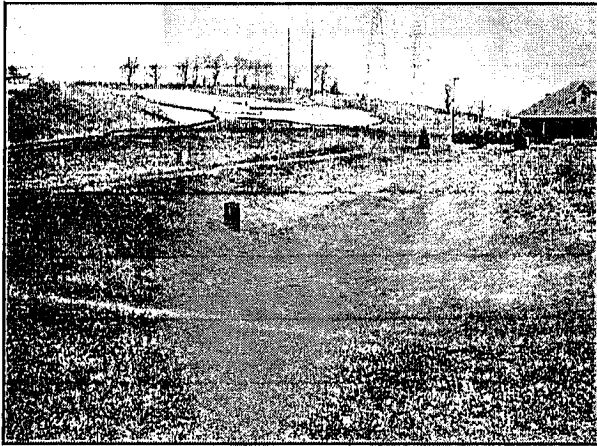


A. Existing BMPs

To take credit against current load:

- Provide the O&M activities and frequencies now being performed for each BMP






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Existing BMP: Basin O&M and Frequency


- Catch Basins and Inlets (upgradient of infiltration basin)-are inspected and cleaned at least two times per year and after major runoff events
- The vegetation along the surface of the Infiltration basin is-maintained in good condition, and bare spots revegetated
- Vehicles are not driven on the basin, and care is taken to avoid compaction by mowers.



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Existing BMP: Current O&M and Frequency

- Inspected after runoff events to make sure that runoff drains down within 72 hours (mosquito control)
- Inspected for accumulation of sediment, damage to outlet control structures, erosion control measures, signs of water contamination/spills, and berm stability
- Minimal mowing
- Remove accumulated sediment from basin as required. Restore original cross section and infiltration rate. Properly dispose of sediment.




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B. Future BMPs

The PRP must provide for each BMP:


- Party(ies) responsible for O&M;
- Activities involved with O&M; and
- Frequency of O&M activities

MS4 permittees will need to identify actual O&M activities in Annual MS4 Status Reports submitted under the General Permit.



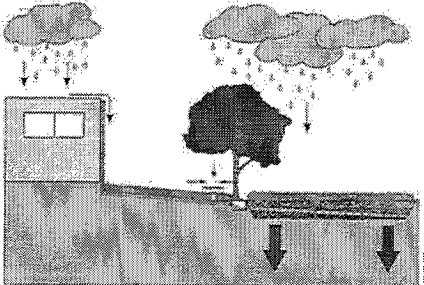

O&M Resource Information

1. PA BMP manual
2. Chesapeake Bay materials
3. Proprietary resources?
4. Other?



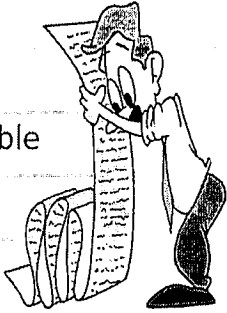

Future BMP

Subsurface infiltration bed

Subsurface Infiltration Bed


Party(ies) Responsible

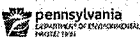



BMP 6.4.3: Subsurface Infiltration Bed

Planned maintenance and frequency:

- Catch basins, inlets and filters will be inspected and cleaned at least 2 times per year
- The overlying vegetation will be maintained in good condition and bare spots revegetated
- Vehicular access will be prohibited, and care should be taken to avoid excessive compaction by mowers.





Bureau of Clean Water

Thank you.
