STORMWATER FACT SHEET: CONSTRUCTION SITE STORMWATER BMP MAINTENANCE TIPS



Quick facts on... The Maintenance of Erosion & Sediment Control BMPs on Construction Sites

PURPOSE: Provide a quick reference guide for the maintenance of several commonly used construction site erosion and sediment control BMPs.



HOW TO USE THIS GUIDE: For a particular BMP, review the photo and read the accompanying caption for key points on the proper maintenance of the BMP. Refer to your SWPPP for actual maintenance guidelines.

Temporary Seeding



Inspect weekly & within 24 hours after a rain event of $\frac{1}{2}$ " or greater. Repair, re-seed and mulch eroded areas, rills and gullies. Control weeds with mowing.

Mulching



Repair, re-seed and mulch eroded areas, rills and gullies. For severe/recurring erosion, implement additional BMP measure such as erosion control blanket.

Permanent Seeding



70% Uniform Density Not Achieved

Inspect weekly & within 24 hours after a rain event of $\frac{1}{2}$ " or greater. Repair damaged/eroded areas. If vegetation fails to grow, perform soil test and amend soil based on results.

Erosion Control Blanket



Check for displacement of the blanket and signs of erosion under the blanket. For eroded areas: pull back the blanket; add/tamp soil; re-seed; re-staple blanket.

Vegetative Buffer



Mow vegetative buffer as needed, but not shorter than 4". If trapped sediment is observed/present, remove the accumulated sediment and regrade/reseed the disturbed area. Repair any small rills that may form. If width of vegetative buffer is insufficient, increase width of buffer.

Rock Check Dam



ensure proper flow/operational parameters, То accumulated sediment shall be removed when the sediment reaches ½ the height of the dam.

Dewatering



During inspections, check for erosion downstream of the dewatering bag. Check for tears in the dewatering bag; water and sediment capacity.

Concrete Washout



Container Loaded in Excess of 50% Capacity

Remove hardened concrete wastes and dispose of the material. Clean the washout when 50% of capacity is reached. The liner should be replaced after each cleaning.

Construction Entrance



Entrance Needs to be Redressed

Sweep/scrape/remove sediment, soil or mud that has been tracked or washed onto adjacent public roadways. Redress the entrance with #2 stone to provide voids for sediment capture.



Replace torn, damaged or decomposing silt fence. Remove accumulated sediment that bulges the silt fence or when sediment reaches 1/2 the height of the fence.

Filter Sock



When accumulated sediment reaches ¼ the height of the filter sock, remove the sediment. Repair/replace damaged filter sock. If ponding is excessive, consider alternative BMPs.

Sediment Trap



Repair any embankment erosion. If pool area holds water for more than 72 hours, remove/replace filter stone. Remove sediment once sediment trap is ½ full of sediment.

Inlet Protection



Flushing with water to clean inlet protection is not allowed. After each storm event, remove sediment. If inlet protection measure is repeatedly clogging, consider additional BMPs upstream.

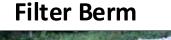
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After each storm event, remove sediment. If filter stone is clogged/ choked, replace the filter stone. If inlet protection measure is repeatedly clogging, consider additional BMPs upstream

Engineering, LLC

For detailed information on the maintenance of a particular BMP on a construction site, refer to the specifications contained with the approved SWPPP for your particular construction site. For technical reference information on construction site BMPs in general, refer to the following documents which were used in the preparation of this Fact Sheet:

- INDOT Storm Water Management Field Guide 2015 (www.in.gov/indot)
- Indiana Storm Water Quality Manual (www.in.gov/idem/stormwater/2363.htm)





Accumulated Sediment Needs R

Repair eroded or damaged areas. When accumulated sediment reaches ¼ the height of the berm, remove the sediment. If ponding excessive, consider alternative BMPs.

Sediment Basin



Repair any damage to Principal & Emergency Spillways. If pool area holds water for more than 72 hours, remove/replace filter stone. Remove sediment once design volume is reached (per SWPPP).

Culvert Inlet Protection



This Fact Sheet provided by the Muncie Sanitary District and was prepared by Christopher B. Burke

