



BMP Inspection Job Aid

Rock Filter Dam

This job aid is a tool to assist with the completion of Form 2118. All required corrective actions, comments, or discussions must be documented on the 2118.

INSTALLATION		Y, N, N/A
1.	Have the rock filter dams been documented on the Stormwater Discharge Map or SWP3 Plan Sheets?	
2.	Are the rock filter dams installed in accordance with the Stormwater Discharge Map or SWP3 Plan Sheets?	
3.	Were the rock filter dams installed prior to construction/land disturbing activities?	
4.	Are the rock filter dam dimensions as indicated on the SW3P plans?	
5.	Are the side slopes for all dam types 2:1 or flatter? Do all dam types in safety (clear) zones have side slopes of 6:1 or flatter?	
6.	Is this rock filter dam at a sediment trap? If so, refer to EC (2)-16 "V" Shape Plan View for slide slope information	
7.	For rock filter dams types 1,2, & 3, is the top width at least 2 feet?	
8.	Are rock filter dams being secured a minimum of 4" into existing ground?	
9.	For type 1 rock filter dams, are sandbags used at embedded foundation to increase filter efficiency of low flows?	
10.	Is there at least 1 ft between top of rock filter dam weir and top of embankment for filter dams at sediment traps?	
11.	Are type 2 & 3 rock filter dams secured with 20 gauge galvanized woven wire mesh with 1" diameter hexagonal openings?	
12.	For type 2 & 3 rock filter dams in streams, was galvanized mesh secured or staked to stream bed prior to aggregate placement??	
13.	Are sack gabions staked down with 3/4" dia. rebar stakes, and have a double-twisted hexagonal weave with a nominal mesh opening of 2 1/2" x 3 1/4"?	
14.	Is each sack gabion 3', 6', or 9' long? Does each sack gabion have a 2' diameter?	
15.	Is flow outlet onto a stabilized area (e.g., vegetation, rock, etc.)?	
16.	Are materials used in accordance with the specifications for "Rock Filter Dams for Erosion and Sedimentation Control" (e.g., aggregate, wire mesh, sandbags, etc.)?	
INSPECTION		Y, N, N/A
1.	Are the BMPs functioning properly?	
2.	Has any of the aggregate been washed out of the filter dam?	
3.	Is there any erosion along the edges of the dam where it meets the side of ditch, swale, or channel?	
4.	For dam types 2, 3, & 4, is there any clogging in the wire mesh?	
5.	For dam types 2, 3, & 4, is there any damage to the wire mesh?	
6.	Were any concerns identified with the rock filter dams?	
7.	Were maintenance requirements recommended by the contractor?	
MAINTENANCE		Y, N, N/A
1.	Are rock filter dams in good condition without any visible damage?	
2.	Are associated BMPs functioning properly (e.g., reduced velocity, sediment build-up)?.	
3.	Has sediment in the rock filter dam accumulated around the dam? If so, remove	
4.	Did the contractor address all recommended maintenance needs?	
5.	Were any additional BMPs recommended to the Contractor?	
Comments/Notes:		
Reference: TxDOT Temporary Erosion, Sediment, and Water Pollution Control Measures, Rock Filter Dams EC (2) - 16 TxDOT Temporary Erosion, Sedimentation, and Environmental Controls: Item 506 (Sections 2.1 & 4.4.1)		