

UNDERGROUND / PERIMETER SAND FILTER MAINTENANCE INSPECTION FORM

Facility Number: _____ Date: _____ Time: _____
 Subdivision Name: _____ Watershed: _____
 Weather: _____ Inspector(s): _____
 Date of Last Rainfall: _____ Amount: _____ Inches Streets: _____
 Mapbook Location: _____ GPS Coordinates: _____
 Property Classification: Residential Government Commercial Other: _____

Type of Practice: Underground Sand Filter Perimeter Sand Filter

As-built Plan Available? Yes No
 Was Facility Pumped Clean? Yes No Date: _____ Vendor Name: _____
 Is Facility Inspectable? Yes No Why? _____ Comments Specific Location(s): _____
 Confined Space Entry Permit Required For Entry Into All Structures: Entry Approved (Attach Entry Permit) Entry Denied
 Personal Protective Equipment Provided? Yes No
 Does facility function as pretreatment to another BMP? Yes No If yes, BMP code: _____
 BMP Type: Pond Wetland Infiltration Practice Open Channel

Scoring Breakdown:

N/A = Not Applicable **1 = Monitor (potential for future problem exists) *** **Use open space in each section to further explain scoring as needed**
N/I = Not Investigated **2 = Routine Maintenance Required**
0 = Not a Problem **3 = Immediate Repair Necessary**

1. Accessibility

Vehicular access from public right-of-way	N/A	N/I	0	1	2	3
Ingress / egress to structure	N/A	N/I	0	1	2	3
Manholes, frames and covers	N/A	N/I	0	1	2	3
Vents (if required by plan)	N/A	N/I	0	1	2	3
Steps and / or ladders secure	N/A	N/I	0	1	2	3
Top slab cracks or spalling	N/A	N/I	0	1	2	3
Lift lugs and / or parging	N/A	N/I	0	1	2	3
Erosion around structure	N/A	N/I	0	1	2	3
Structure obstructed by objects	N/A	N/I	0	1	2	3
Throat trash rack opening > 4"			No	Yes		

2. Sedimentation Chamber

Is Unit:	Cast in place <input type="checkbox"/>	or	Precast <input type="checkbox"/>			
Manhole spacing rings	N/A	N/I	0	1	2	3
Throat opening support block less than 6"			No	Yes		
Accumulation of sediment, trash or debris	N/A	N/I	0	1	2	3
Cracks and / or displacements	N/A	N/I	0	1	2	3
Minor spalling (1" or less)	N/A	N/I	0	1	2	3
Major spalling (exposed rebar)	N/A	N/I	0	1	2	3

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Joint failure	N/A	N/I	0	1	2	3
Loss of joint material	N/A	N/I	0	1	2	3
Leaking	N/A	N/I	0	1	2	3
Lug lifts to be removed	N/A	N/I	0	1	2	3
Gutterpan spalling			No		Yes	
Other:	N/A	N/I	0	1	2	3

2.1 Elbows

Missing			No		Yes	
Corrosion	N/A	N/I	0	1	2	3

2.2 Pretreatment

Maintenance access	N/A	N/I	0	1	2	3
Pretreatment a practice other than a stilling basin or plunge pond			No		Yes	Of so, _____(code)
Less than 18" of sediment accumulation	N/A	N/I	0	1	2	3
Debris/trash accumulation on orifice / standpipe	N/A	N/I	0	1	2	3
Standpipe condition	N/A	N/I	0	1	2	3
Drawdown time is less than 36 hours			No		Yes	
Fixed vertical sediment depth marker present			No		Yes	
Sediment accumulation	N/A	N/I	0	1	2	3 Estimated % full: _____%
Other:	N/A	N/I	0	1	2	3

2.3 Trash Rack(s)

Present	N/A	N/I	0	1	2	3
Corrosion	N/A	N/I	0	1	2	3
Obstructed	N/A	N/I	0	1	2	3

3. Filtering Chamber

Cracks and / or other displacements	N/A	N/I	0	1	2	3
Minor spalling (1" or less)	N/A	N/I	0	1	2	3
Major spalling (exposed rebar)	N/A	N/I	0	1	2	3
Joint failure	N/A	N/I	0	1	2	3
Loss of joint material	N/A	N/I	0	1	2	3
Leaking	N/A	N/I	0	1	2	3
Lug lifts to be removed	N/A	N/I	0	1	2	3
Gutterpan spalling	N/A	N/I	0	1	2	3
Accumulation of sediment, trash or other debris	N/A	N/I	0	1	2	3
Other:	N/A	N/I	0	1	2	3

4. Sand Filter

Existing as required			No		Yes	
Sediment accumulation > 1"			No		Yes	
Ponding more than 2 days after rain			No		Yes	
Vegetation	N/A	N/I	0	1	2	3
Depth and material of layers			Depth: _____		Material: _____	
Sediment accumulation in gravel / sand	N/A	N/I	0	1	2	3
Oil / chemical accumulation on gravel / sand	N/A	N/I	0	1	2	3
Filter fabric	N/A	N/I	0	1	2	3

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Other:	N/A	N/I	0	1	2	3
5. Upland Characteristics						
Excessive trash / debris	N/A	N/I	0	1	2	3
Bare soil present	N/A	N/I	0	1	2	3
Sand in parking lot	N/A	N/I	0	1	2	3
6. Outfall Chamber						
Concrete / masonry condition: cracks & / or displacements	N/A	N/I	0	1	2	3
Minor spalling (1" or less)	N/A	N/I	0	1	2	3
Major spalling (exposed rebar)	N/A	N/I	0	1	2	3
Joint failures	N/A	N/I	0	1	2	3
Loss of joint material	N/A	N/I	0	1	2	3
Leaking	N/A	N/I	0	1	2	3
Lug lifts to be removed	N/A	N/I	0	1	2	3
Exit pipe(s) adequately parged	N/A	N/I	0	1	2	3
Accumulation of sediment, trash or debris	N/A	N/I	0	1	2	3
7. Outfalls from Sedimentation Chamber						
Endwalls, headwalls, and end sections	N/A	N/I	0	1	2	3
Outfall pipes	N/A	N/I	0	1	2	3
Discharge water undercutting outlet	N/A	N/I	0	1	2	3
Discharge water displacing rip-rap	N/A	N/I	0	1	2	3
Discharge water causing outfall to erode	N/A	N/I	0	1	2	3
Excessive sediment deposits	N/A	N/I	0	1	2	3
8. Flow Splitter Chamber						
Manhole spacing rings / brick	N/A	N/I	0	1	2	3
Metal grate	N/A	N/I	0	1	2	3
Accumulation of sediment, trash or debris	N/A	N/I	0	1	2	3
Condition of inflow and outflow pipes	N/A	N/I	0	1	2	3
Concrete condition: cracks and / or displacements	N/A	N/I	0	1	2	3
Minor spalling (1" or less)	N/A	N/I	0	1	2	3
Major spalling (exposed rebar)	N/A	N/I	0	1	2	3
Joint failure	N/A	N/I	0	1	2	3
Loss of joint material	N/A	N/I	0	1	2	3
Leaks	N/A	N/I	0	1	2	3
Lug lifts to be removed	N/A	N/I	0	1	2	3
9. Miscellaneous						
Encroachment by vegetation into facility or outfall area	N/A	N/I	0	1	2	3
Complaints from local residents	N/A	N/I	0	1	2	3
Graffiti	N/A	N/I	0	1	2	3
Public hazards	N/A	N/I	0	1	2	3
Vehicular access from public right-of-way	N/A	N/I	0	1	2	3

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Overall Condition of Facility

Total number of concerns receiving a: (1)_____ - Need Monitoring
 (2)_____ - Routine Repair
 (3)_____ - Immediate Repair Needed

Inspector's Summary

Pictures

Clock/Degrees

1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____
7.	_____	_____
8.	_____	_____
9.	_____	_____
10.	_____	_____
11.	_____	_____
12.	_____	_____
13.	_____	_____
14.	_____	_____
15.	_____	_____

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Sketches, If Necessary:

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