

SURFACE FILTERING SYSTEM 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 9 Government 9 Commercial 9 Other: _____

Type of Practice: Surface Sand Filter 9 Organic Filter 9

Confined 9 Unconfined 9 Barrel Size _____ As-built Plan Available? Yes 9 No 9

Is Facility Inspectable? Yes 9 No 9 Why? _____ Comments Specific Location(s): _____

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. Outfall Channel(s) from Pond

Woody growth within 5' of outfall barrel	N/A	N/I	0	1	2	3
Outfall channel functioning	N/A	N/I	0	1	2	3
Manholes, frames and covers	N/A	N/I	0	1	2	3
Released water undercutting outlet	N/A	N/I	0	1	2	3
Erosion	N/A	N/I	0	1	2	3
Displaced rip rap	N/A	N/I	0	1	2	3
Excessive sediment deposits	N/A	N/I	0	1	2	3
Other:	N/A	N/I	0	1	2	3

2. Downstream Dam Bank

Cracking, bulging, or sloughing of dam	N/A	N/I	0	1	2	3
Erosion and/or loss of dam material	N/A	N/I	0	1	2	3
Animal burrows	N/A	N/I	0	1	2	3
Soft spots or boggy areas	N/A	N/I	0	1	2	3
Woody growth or unauthorized plantings on dam	N/A	N/I	0	1	2	3
Other:	N/A	N/I	0	1	2	3

3. Upstream Dam Bank

Cracking, bulging, or sloughing of dam	N/A	N/I	0	1	2	3
Erosion and/or loss of dam material	N/A	N/I	0	1	2	3
Animal burrows	N/A	N/I	0	1	2	3
Soft spots or boggy areas	N/A	N/I	0	1	2	3
Woody growth or unauthorized plantings on dam	N/A	N/I	0	1	2	3
Other:	N/A	N/I	0	1	2	3

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4. Outlet / Overflow Spillway

Woody growth or unauthorized plantings	N/A	N/I	0	1	2	3
Erosion or back cutting	N/A	N/I	0	1	2	3
Soft or boggy areas	N/A	N/I	0	1	2	3
Obstructions / debris	N/A	N/I	0	1	2	3

5. Principal Spillway Built to Plans

# of Barrels: _____	Size: _____	RCP	CMP	PVC	STEEL	or	MASONRY	(Circle One)
Confined space entry permit required for entry into all riser and barrels				Entry Approved 9			Entry Denied 9	
Minor spalling or parging (<1")	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		
Corrosion	N/A	N/I	0	1	2	3		
Protective material deficient	N/A	N/I	0	1	2	3		
Anti-vortex device secure	N/A	N/I	0	1	2	3		
Misalignment or split seams / joints	N/A	N/I	0	1	2	3		
Other:	N/A	N/I	0	1	2	3		

6. Riser Built to Plans

Size: _____	CONC	CMP	or	MASONRY	(Circle One)	
Minor spalling or parging (< 1")	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
Manhole access and steps acceptable	N/A	N/I	0	1	2	3
Corrosion	N/A	N/I	0	1	2	3
Protective material deficient	N/A	N/I	0	1	2	3
Misalignment or split seams / joints	N/A	N/I	0	1	2	3
Anti-vortex device secure / acceptable	N/A	N/I	0	1	2	3
Other:	N/A	N/I	0	1	2	3

7. Filtration Basin / 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
Other:	N/A	N/I	0	1	2	3

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8. Underdrains						
Broken	N/A	N/I	0	1	2	3
Daylighted	N/A	N/I	0	1	2	3
Clogging	N/A	N/I	0	1	2	3
9. 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
Draw downtime 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
10. 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
11. Hotspots in Close Proximity (ex. gas station)			No	Yes	Describe: _____	
12. Inflow Points						
Number of inflow pipes: _____	Direction: N		E	W	S	
Endwalls, headwalls, end sections	N/A	N/I	0	1	2	3
Inlet / outflow pipes	N/A	N/I	0	1	2	3
Discharge undercutting outlet or displacing rip-rap	N/A	N/I	0	1	2	3
Discharge water is causing outfall to erode	N/A	N/I	0	1	2	3
Sediment accumulation	N/A	N/I	0	1	2	3
13. Special Structures						
Manhole access (steps, ladders)	N/A	N/I	0	1	2	3
Vehicular access	N/A	N/I	0	1	2	3
Concrete / masonry condition	N/A	N/I	0	1	2	3
Trash racks	N/A	N/I	0	1	2	3
Elbows	N/A	N/I	0	1	2	3
Sediment / trash removal	N/A	N/I	0	1	2	3
Manhole lockable nuts	N/A	N/I	0	1	2	3

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14. Miscellaneous						
Encroachment in facility area and/or easement area by buildings	N/A	N/I	0	1	2	3
Fence condition	N/A	N/I	0	1	2	3
Safety signs	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
Were any pad locks cut and replaced			No	Yes	How many? _____	
Other:	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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