

## Public Inspection and Maintenance Checklist Detention Ponds

Date: \_\_\_\_\_ Work Order # \_\_\_\_\_

Type of Inspection:     Storm         Weekly         Monthly         Annual

Facility: \_\_\_\_\_ Inspector(s): \_\_\_\_\_

Defect	Conditions When Maintenance Is Needed	Maintenance (1 or 2) <sup>†</sup>	Comments
<b>General</b>			
Trash & Debris*	Trash and debris >1 cf/1,000 sf (one standard size garbage can)  Visual evidence of dumping		
Poisonous Vegetation and noxious weeds	Poisonous or nuisance vegetation or noxious weeds: morning glory, English ivy, reed canary grass, Japanese knotweed, purple loosestrife, blackberry, Scotch broom, poison oak, stinging nettles, or devil's club		
Contaminants and Pollution	Any evidence of oil, gasoline, contaminants or other pollutants		
Rodent Holes*	Any evidence of rodent holes if facility is acting as a dam or berm, or any evidence of water piping through dam or berm via rodent holes		
Beaver Dams*	Dam results in change or function of the facility		
Insects	Insects such as wasps and hornets interfere with maintenance activities.		
Tree/Brush Growth and Hazard Trees	Growth does not allow maintenance access or interferes with maintenance activity  Dead, diseased, or dying trees		
<b>Side Slopes</b>			
Erosion*	Eroded over 2 in. deep where cause of damage is still present or where there is potential for continued erosion.  Any erosion on a compacted berm embankment.		
<b>Storage Area</b>			
Sediment*	Accumulated sediment >10% of designed pond depth or affects inletting or outletting condition of the facility.		
Liner (If Applicable)	Liner is visible and has more than three 1/4-inch holes in it.		

<sup>†</sup> Maintenance: Enter 1 if maintenance is need and include WO#. Enter 2 if maintenance was performed same day.

\*Indicates parameters that are tracked in Maximo.

Defect	Conditions When Maintenance Is Needed	Maintenance (1 or 2) <sup>†</sup>	Comments
<b>Emergency Overflow/ Spillway and Berms</b>			
Settlement*	Berm settlement 4 inches lower than the design elevation.		
Tree Growth	Tree growth on berms or emergency spillway >4 ft in height or covering more than 10% of spillway.		
Piping*	Discernable water flow through pond berm. Ongoing erosion with potential for erosion to continue.		Contact engineering ASAP.
Emergency Overflow/ Spillway	Only one layer of rock exists above native soil in area five square feet or larger, or any exposure of native soil at the top of out flow path of spillway.  (Rip-rap on inside slopes need not be replaced.)		
Erosion*	See "Side Slopes of Pond"		
<b>Debris Barriers (e.g., Trash Racks)</b>			
Trash and Debris*	Trash or debris that is plugging more than 20% of the openings in the barrier.		
Damaged/ Missing Bars	Bars are bent out of shape more than 3 inches.		
	Bars are missing or entire barrier missing.		
	Bars are loose and rust is causing 50% deterioration to any part of barrier.		
Inlet/Outlet Pipe	Debris barrier missing or not attached to pipe		
<b>Fencing</b>			
Missing or broken parts	Any defect in the fence that permits easy entry to a facility.		
Erosion	Erosion more than 4 inches high and 12-18 inches wide permitting an opening under a fence.		
Damaged Parts	Damage to gate/fence, posts out of plumb, or rails bent more than 6 inches		
Deteriorating Paint or Protective Coating	Part or parts that have a rusting or scaling condition that has affected structural adequacy.		
<b>Gates</b>			
Damaged or missing member	Missing gate or locking devices, broken or missing hinges, out of plumb more than 6 inches and more than 1 foot out of design alignment, or missing stretcher bar, stretcher bands, and ties.		

<sup>†</sup> Maintenance: Enter 1 if maintenance is need and include WO#. Enter 2 if maintenance was performed same day.  
 \*Indicates parameters that are tracked in Maximo.