

# Inspection and Maintenance Requirements for Wet Ponds



## Maintenance Checklist

Maintenance Component	Defect	Conditions When Maintenance is Needed	Results Expected When Maintenance Is Performed	Satisfactory	Unsatisfactory	Comments
General	Low water level	<ul style="list-style-type: none"> <li>First cell is empty and is not holding water.</li> </ul>	<ul style="list-style-type: none"> <li>Line the first cell to maintain at least 4 feet of water.</li> </ul> <p><i>Although the second cell may drain, the first cell must remain full to control turbulence of the incoming flow and reduce sediment resuspension.</i></p>			
	Trash and debris	<ul style="list-style-type: none"> <li>Accumulation that exceeds 1 cubic foot per 1,000 square feet of pond area.</li> </ul>	<ul style="list-style-type: none"> <li>Trash and debris removed from pond.</li> </ul>			
	Clogged inlet/outlet pipe	<ul style="list-style-type: none"> <li>Inlet/outlet pipe clogged with sediment and/or debris material.</li> </ul>	<ul style="list-style-type: none"> <li>No clogging or blockage in the inlet and outlet piping.</li> </ul>			
	Sediment accumulation in pond bottom	<ul style="list-style-type: none"> <li>Sediment accumulation in pond bottom that exceeds the depth of sediment zone plus 6 inches, usually in the first cell.</li> </ul>	<ul style="list-style-type: none"> <li>Sediment removed from pond bottom.</li> </ul>			
	Oil sheen on water	<ul style="list-style-type: none"> <li>Prevalent and visible oil sheen.</li> </ul>	<ul style="list-style-type: none"> <li>Oil removed from water using oil-absorbent pads or vector truck.</li> <li>Source of oil located and corrected.</li> <li>If chronic low levels of oil persist, plant wetland plants such as soft rush (<i>Juncus effusus</i>) which can uptake small concentrations of oil.</li> </ul>			

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General (cont.)	Erosion	<ul style="list-style-type: none"> <li>Erosion of the pond's side slopes and/or scouring of the pond bottom, that exceeds 6 inches, or where continued erosion is prevalent.</li> </ul>	<ul style="list-style-type: none"> <li>Slopes stabilized using proper erosion control measures and repair methods.</li> </ul>			
	Settlement of pond dike/ berm	<ul style="list-style-type: none"> <li>Any part of these components that has settled 4 inches or lower than the design elevation, or inspector determines dike/berm is unsound.</li> </ul>	<ul style="list-style-type: none"> <li>Dike/berm is repaired to specifications.</li> </ul>			
	Uneven internal berm	<ul style="list-style-type: none"> <li>Berm dividing cells should be level.</li> </ul>	<ul style="list-style-type: none"> <li>Berm surface is leveled so that water flows evenly over entire length of berm.</li> </ul>			
	Missing rock (overflow spillway)	<ul style="list-style-type: none"> <li>Rock is missing and soil is exposed at top of spillway or outside slope.</li> </ul>	<ul style="list-style-type: none"> <li>Rocks replaced to specifications.</li> </ul>			