

#11 – Maintenance Standards for Wet Ponds (BMP WP.02):

√	Drainage System Feature	Defect or Problem	Condition When Maintenance is Needed	Results Expected When Maintenance is Performed
	General	Water level	First cell is empty, does not hold water.	Water retained in first cell for most of the year. <i>Line the first cell to maintain at least 4 feet of water. Although the second cell may drain, the first cell must remain full to control turbulence of the incoming flow and reduce sediment resuspension.</i>
	General	Trash and Debris	Accumulation that exceeds one cubic foot per 1,000 square feet of pond area.	No trash or debris on site. Any trash and debris removed from pond.
	General	Vegetation	When nuisance weeds and other vegetation take over. Cattail covers more than 25% of the pond.	Vegetation mowed or nuisance vegetation removed so that flow is not impeded.
	General	Tree Growth	Trees growing in pond bottom or side slopes. Tree growth and dense vegetation which impedes inspection, maintenance access, or interferes with maintenance activity (e.g., slope mowing, silt removal, vectoring, or equipment movements).	Trees removed from facility bottom, side slopes, and maintenance access areas.
	General	Inlet/Outlet Pipe	Inlet/Outlet pipe clogged with sediment and/or debris material.	No clogging or blockage in the inlet and outlet piping.
	Storage Area	Sediment Accumulation in Pond Bottom	Sediment accumulations in pond bottom that exceeds the depth of sediment zone plus 6 inches, usually in the first cell.	Sediment removed from pond bottom. <i>(If sediment contamination is a potential problem, sediment should be tested regularly to determine leaching potential prior to disposal.)</i>
	General	Oil Sheen on Water	Prevalent and visible oil sheen.	Oil removed from water using oil- absorbent pads or vactor truck. Source of oil located and corrected. <i>If chronic low levels of oil persist, plant wetland plants such as Juncus effusus (soft rush) which can uptake small concentrations of oil.</i>
	Side Slopes of Pond	Erosion	Erosion of the pond's side slopes and/or scouring of the pond bottom that exceeds 6 inches, or where continued erosion is prevalent.	Slopes stabilized using proper erosion control measures and repair methods.

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	Pond Berms (Dikes)	Settlement of Pond Dike/Berm	Any part of these components that has settled 4 inches or lower than the design elevation, or inspector determines dike/berm is unsound.	Dike/berm is repaired to specifications.
	Pond Berms	Internal Berm	Berm dividing cells should be level.	Berm surface is leveled so that water flows evenly over entire length of berm.
	Emergency Overflow/Spillway	Overflow Spillway	Rock is missing and soil is exposed at top of spillway or outside slope.	Rocks replaced to specifications.