Stormwater Wetland - Maintenance Requirements and Inspection Checklist

Stormwater wetlands are practices that have shallow wetland areas, small permanent pools, and/or extended detention to treat WQ_v. Pollutants are removed through sedimentation, filtration, and biological process. Stormwater wetlands will have a forebay(s) to settle out large particles before they enter the wetland(s).

Regular inspection and maintenance of stormwater facilities is necessary to ensure effective and proper operation. It is the responsibility of the property owner to maintain all stormwater facilities in accordance with the approved plans and the Stormwater Facility Maintenance Covenant. This page provides general guidance on the recommended inspection and maintenance along with the recommended frequency for each item.

Inspection Activities	Suggested Schedule
• After several consecutive storm events or an extreme storm event the facility should be inspected for: bank instability, signs of erosion, and damage to or clogging of the inlet/outlet structures and/or channels, etc.	As needed
• Inspect the facility for the presence of trash and debris	Monthly
• Inspect that the overflow structure is functioning properly • Inspect the dam/embankments for the presence of burrowing animals, leakage, etc. • Inspect the facility for any signs of erosion or bank instability • Check sediment buildup and approximate how much sediment is present as a percentage of total water volume • Check the plant/fish population, note dead and diseased plants/fish • Note signs of pollution such as oil sheens, discolored water, odor, etc. • Inspect signage • Note any changes to the wetland area and areas that drain to the wetland, as such changes may affect pond performance	Annually
Maintenance Activities	**Suggested Schedule**
• Clean and remove debris and trash from inlet/outlet pipes, overflow structure(s), channel(s), and sediment forebay(s) • Repair damage to overflow structure • Repair erosion, damage from burrowing animals, leakage, etc. • Repair or replace signage • Remove pollutants • Harvest plants if vegetation becomes to thick causing flow backups or flooding	As Needed
• Remove dead vegetation and any invasive species • Replace vegetation to its original condition per approved plans	Annually
• Remove sediment from forebay(s). Care must be taken to prevent downstream discharges of sediment, anoxic water, or high flows with erosive velocities.	5 to 7 years or after 50% of the total capacity has been lost
• Remove sediment from wetland. Care must be taken to prevent downstream discharges of sediments, anoxic water, or high flows with erosive velocities.	10 to 20 years or when the wetland is no longer providing a healthy habitat for vegetation and fish

STORMWATER WETLAND INSPECTION CHECKLIST

Location:_____Owner Change: Y   N

Owner Name, Address, Phone:_____

Date: _____ Time: _____ Site Conditions:_____

Inspection Item	Y/N	Comments/Corrective Action Needed
Embankment and Emergency Spillway		
Vegetation appears healthy?		
Erosion on embankment?		
Animals burrowing on embankment?		
Cracking, sliding, bulging of dam?		
Leaks or seeps on embankment?		
Other (describe)?		
Inlet/Outlet Structures and Channels		
Clear of debris and trash?		
Noticeable sediment accumulation?		
Erosion at outfall?		
Other (describe)?		
Sediment Forebay and Permanent Pool Area(s)		
Invasive plant species present?		
Visible pollution?		
Shoreline erosion?		
Encroachment by other activities?		
Noticeable sediment accumulation?		
Wetland Vegetation Area(s)		
Vegetation adequate?		
Undesirable vegetation growth?		
Noticeable sediment accumulation?		
Other		
Have there been any complaints from residents?		
Public hazards?		

Inspector Name (printed) _____ Inspector Signature_____

Inspections shall be completed at least once per calendar year. Submit a copy of the completed checklist and two photos to the City of Wentzville, Attn: Stormwater Coordinator, 1001 Schroeder Creek Blvd, Wentzville, MO 63385 or by fax 636-327-4892. ***Documentation of the corrective action taken (date, by whom, what was done, etc.) must be provided for each item noted above.***