

Open Channel - Maintenance Requirements and Inspection Checklist

Open Channels are practices that capture and treat the full WQ_v within dry or wet cells formed by check dams or other means. Open Channels will generally be combined with a separate facility to provide flood control.

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 Agreement. This page provides general guidance on the recommended inspection and maintenance along with the recommended frequency for each item.

Inspection Activities	Suggested Schedule
<ul style="list-style-type: none"> Inspect the facility for the presence of trash and debris 	Monthly
<ul style="list-style-type: none"> Inspect the facility for signs of erosion, unhealthy or damage vegetation, denuded areas, channelization of flow, and areas of sediment accumulation 	Semi-Annually
<ul style="list-style-type: none"> Inspect pre-treatment devices and diversion structures for sediment buildup and damage. Inspect signage 	Annually
Maintenance Activities	Suggested Schedule
<ul style="list-style-type: none"> Mow grass in the channel to maintain grass heights in the 4 to 6 inch range (dry swales). Clean and remove debris and trash Repair erosion Repair or replace signage Remove pollutants Remove sediment from pre-treatment devices and diversion structures 	As Needed
<ul style="list-style-type: none"> Repair or replace vegetation to its original condition per approved plans 	Annually
<ul style="list-style-type: none"> Remove sediment from the bottom of the channel 	When 25% of the original WQ _v has been exceeded
<ul style="list-style-type: none"> Perform total rehabilitation of the facility to maintain design storage capacity and treatment efficiency. 	Upon Failure

OPEN CHANNEL INSPECTION CHECKLIST

Location: _____ Owner Change: Y N

Owner Name, Address, Phone: _____

Date: _____ Time: _____ Site Conditions: _____

Inspection Item	Y/N	Comments/Corrective Action Needed
Open Channel		
Vegetation appears healthy?		
Erosion in the facility?		
Standing water when no water should be present?		
Evidence of leaks or seeps?		
Check dams in place (if applicable)?		
Undesirable vegetation growth?		
Sediment accumulation in filter bed?		
Other (describe)?		
Sediment Forebay(s) or Pretreatment Areas		
Evidence of 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.**