

OAKLAND COUNTY MS4 STRUCTURAL STORMWATER CONTROLS INSPECTION AND MAINTENANCE POLICY MAY 2021

I. POLICY:

This policy is to establish procedures for inspecting and maintaining Oakland County MS4 Structural Stormwater Controls.

II. BACKGROUND:

The EGLE NPDES Phase II Stormwater Discharge Permit Application requires a procedure for inspecting and maintaining the structural stormwater controls identified in the Application. This procedure includes a description and schedule for inspecting and maintaining each structural stormwater control and the process for disposing of maintenance waste materials. All structural stormwater controls shall be maintained to reduce to the maximum extent practicable the contribution of pollutants to stormwater.

III. STRUCTURAL CONTROLS & INSPECTION/MAINTENANCE SCHEDULE

Oakland County Department	Structural Control Type	Inspection Schedule	Maintenance Schedule	Documented Procedures for Inspection and Maintenance
WRC	Catch Basins	Once every 4 years or as identified by specific facility operating procedures	<p>All catch basins that lie within paved surfaces and roadways, or are within reach of paved surfaces and roadways, are being cleaned by Year 2022. WRC will then track sediment build up as part of its 4-year inspections of the structures to determine future cleaning schedules and/or immediate cleaning needs.</p> <p>Cleaning will be triggered when sump is no more than 50% full.</p>	Work Instruction, "CDM-0415" and Inspection Form, "DC-224"
	Detention/Retention Basins	Outlets/inlets from basins inspected once every 4 years	Basins cleaned as needed.	Work Instruction, "CDM-0415" and

Oakland County Department	Structural Control Type	Inspection Schedule	Maintenance Schedule	Documented Procedures for Inspection and Maintenance
				Detention Basin Inspection Form
	Oil/Water Separator (two in use at Clinton River Water Resource Recovery Facility)	Monthly	Semi-annually	See SWPPP
	Pump Stations (stormwater)	<p>-Small pump stations are inspected every 2 weeks</p> <p>-Large pump stations are inspected 3-5 times per week</p>	<p>-Bar screens are cleaned after each significant rain event</p> <p>-Wet wells and bar screens are cleaned at least twice per year</p>	Work Instruction, "PM-0702"
	Sediment Basins	Basins inspected once every 4 years	Basins cleaned as needed.	Work Instruction, "CDM-0415" and Detention Inspection Form
	Manufactured Treatment Devices (MTD's)	Currently once every 4 years	Currently cleaned as needed; WRC is currently planning a pilot project to determine if a more frequent inspection and cleaning cycle of its' MTD's is needed.	Work Instruction, "CDM-0415" and Inspection Form, "DC-224"
OCFM	Catch Basins	Inspect every 3 years	Cleaning to be performed when sump is no more than 50% full.	Asset management program currently under development and expected by end of FY2021

Oakland County Department	Structural Control Type	Inspection Schedule	Maintenance Schedule	Documented Procedures for Inspection and Maintenance
	Detention/Retention Basins	Inlets/Outlets inspected annually	Basins cleaned as needed	Detention Basin Inspection Form
OCPRC	Catch Basins	Visual inspection annually	Appropriate maintenance performed in-house, or contracted, as needed. Sumps will be cleaned when they are no more than 50% full.	Annual Park-specific Storm Infrastructure Inspection Reports – <i>Available Upon Request</i> DRAFT Stormwater Infrastructure Maintenance Guidelines in place - <i>Available Upon Request</i>
	Detention/Retention Basins	Visual inspection for structural issues 2x/year	No formal schedule in place – maintenance contracted as-needed	Annual Park-specific Storm Infrastructure Inspection Reports – <i>Available Upon Request</i> DRAFT Stormwater Infrastructure Maintenance Guidelines in place – <i>Available Upon Request</i>
	Vegetated Swales	Visual inspection 2 - 4x/ year	Invasive control performed 2-4x/year in-house or by contractor	BMPs for Native Plant Bioswales Document – <i>Available Upon Request</i> OCPRC GIS records of chemical control and prescribed burns

Oakland County Department	Structural Control Type	Inspection Schedule	Maintenance Schedule	Documented Procedures for Inspection and Maintenance
	Constructed Wetlands	Visual inspection 2 - 4x/year	Invasive species control performed 2-4x/year as necessary; Berm and Aquadam visually inspected 2x/year – repair as needed; Prescribed Burn approx. 1x/3 years	Lyon Oaks Mitigation Wetland EGLE Monitoring/ Maintenance Reports OCPR GIS records of chemical control and prescribed burns
	Porous Pavement	Visual inspection 2x/ year	No formal schedule in place – maintenance contracted as needed	DRAFT Stormwater Infrastructure Maintenance Guidelines in place – <i>Available Upon Request</i>
	Rain Gardens	Visual inspection 2 - 4x/year	Invasive control performed 2 - 4x/year in-house or by contractor	BMPs for Native Plant Bioswales Document – <i>Available Upon Request</i> OCPR GIS records of chemical control and prescribed burns
OCPRC	Manufactured Treatment Devices (Oil/Grit Separators, Stormceptors)	Catch basins in units visually inspected annually	Clean and CCTV unit and associated lines every 7 years	Annual Park-specific Storm Infrastructure Inspection Reports – <i>Available Upon Request</i> DRAFT Stormwater Infrastructure Maintenance Guidelines in place – <i>Available Upon Request</i>

IV. PROCEDURE:

- 1) A schedule for inspection and maintenance at each facility that has stormwater structural controls is provided in the table above.
- 2) Debris and maintenance wastes removed as part of the maintenance and/or repairs of the stormwater structural controls shall be properly disposed of.

V. OTHER:

Any questions on this policy and procedure should be directed to the appropriate agency's Stormwater Manager.

VI. PROCESS FOR UPDATING/REVISING THIS PROCEDURE

This procedure shall be reviewed once per permit cycle by the appropriate agency's Stormwater Manager for any updates to streamline the requirements.