

City of Lorain Post-Construction Minimum Maintenance Standards

Weekly/Monthly Maintenance Standards:

Wet Extended Detention Basin Maintenance.

- (1) Remove floating debris.
- (2) Remove woody vegetative growth from pond area, including embankments.
- (3) Remove trash and/or accumulated sediment.
- (4) Remove obstructions in orifices and/or outlets.
- (5) Inspect for evidence of the accumulation of hydrocarbons and remediate as needed.

Dry Extended Detention Basin Maintenance.

- (1) Remove woody vegetative growth.
- (2) Minimize heavy equipment, including mowers, in the vegetated areas to reduce soil compaction.
- (3) Inspect for evidence of the accumulation of hydrocarbons and remediate as needed.

Bioretention Area/Rain Garden Maintenance.

- (1) Remove debris and or sediment from inlet and outlet pipes.
- (2) Minimize heavy equipment, including mowers, in the vegetated areas to reduce soil compaction.
- (3) Remove and replace any diseased or dead plant material. If specific species are not successful in the bioretention area, replace as appropriate to ensure full vegetation as designed.

Annual Maintenance Standards:

Wet Extended Detention Basin Maintenance.

- (1) Repair erosion to outfall or spillway.
- (2) Repair and/or replace damaged structures, such as catch basins, risers, pipes, and headwalls.
- (3) Repair animal burrows and/or other leaks in the dam structures.
- (4) Remove debris from overflow spillway and grates.
- (5) Mow embankments and remove woody vegetation on embankments.
- (6) Inspect and remove invasive plants.
- (7) Dredge pond on a 3-7 year cycle, or as necessary, to retain design capacity.

Dry Extended Detention Basin Maintenance.

- (1) Remove sediment in sediment traps.
- (2) Check and remove any tree cover over basin.
- (3) Remove any aggregate (soil/mineral based) deposits.
- (4) Mow embankments twice per year.
- (5) Check basin 72 hours after rain events twice a year to ensure dewatering between storms is taking place at the facility. Repair as necessary to ensure functionality.

Bioretention Area/Rain Garden Annual Maintenance.

- (1) Replace mulch at a depth of no greater than 3" and cover the entire area.
- (2) Remove compacted mulch prior to new mulch placement.
- (3) Repair any areas that have eroded.
- (4) Ensure cell is dewatering as required by the Ohio EPA and not bypassing facility. Repair as necessary to ensure functionality.

The above standards are intended as general guidance for post-construction maintenance. Defer to existing maintenance plans created by a qualified professional if they have been created for your property.