

Clement Farm Disc Golf Course Haverhill, MA

Operation and Maintenance Plan (O&M) and Long Term Pollution Prevention Plan (LTPPP)

This Stormwater Management System Operation and Maintenance Plan provides for the inspection and maintenance of structural Best Management Practices (BMPs) and for measures to prevent pollution associated with Clement Farm Disc Golf Course Project in the municipality of Haverhill.

This document has been prepared in accordance with the requirements of the Stormwater Regulations included in the Massachusetts Wetlands Protection Act Regulations (310 CMR 10).

Responsible Parties:

Clement Farm Golf Disc Course

Long-term maintenance of the Clement Farm Disc Golf Course will be the responsibility of the City of Haverhill, through its Recreation Department:

Haverhill Recreation Department

4 Summer Street
Haverhill, MA 01830
(978) 374-2300

Maintenance Measures

The stormwater management system covered by this Operation and Maintenance Plan consists of the following components:

- Grass Swale
- Infiltration Trench

Maintenance of these components will be conducted in accordance with the MassDEP Stormwater Handbook and standard maintenance practices, as noted in the attached Operation and Maintenance table summarizing the pertinent inspection and maintenance activities.

If inspection indicates the need for major repairs of structural surfaces, the inspector should contact the City of Haverhill Recreation Department to initiate procedures to effect repairs in accordance with MassDEP Stormwater Handbook and standard practices.

Practices for Long Term Pollution Prevention

Long term pollution prevention and maintenance activities will be conducted consistent with the requirements outlined in the MassDEP Stormwater Handbook. The MassDEP Stormwater Handbook is available at the following website:

<https://www.mass.gov/guides/massachusetts-stormwater-handbook-and-stormwater-standards>

For the facilities covered by this Operation and Maintenance Plan, long term pollution prevention includes the following measures:

Litter Pick-up

The City of Haverhill Recreations Department will conduct litter pick-up from the stormwater management facilities in conjunction with routine park maintenance activities.

Routine Inspection and Maintenance of Stormwater BMPs

The City of Haverhill Recreations Department will conduct inspection and maintenance of the stormwater management practices in accordance with the guidelines contained herein.

Spill Prevention and Response

The City of Haverhill will implement response procedures for releases of significant materials such as fuels, oils, or chemical materials onto the ground or other areas that could reasonably be expected to discharge to surface or groundwater.

- Reportable quantities will immediately be reported to the applicable Federal, State, and local agencies as required by law. The MassDEP office should also be notified.
- Applicable containment and cleanup procedures will be performed immediately. Impacted material collected during the response must be removed promptly and disposed of in accordance with Federal, State, and local requirements. A licensed emergency response contractor may be required to assist in cleanup of releases depending on the amount of the release and the ability of the responsible party to perform the required response.
- Reportable quantities of chemical, fuels, or oils are established under the Clean Water Act and enforced through DEP.

Maintenance of Landscaped Areas

Routine mowing should be conducted according to standard Town practices.

The City of Haverhill Recreation Departments shall minimize use of fertilizers, herbicides, and pesticides for the maintenance of facilities covered by this plan. Any use of fertilizers, herbicides, or pesticides within or adjacent to jurisdictional wetland resource areas may require review by the Haverhill Conservation Commission or MassDEP Northeast Regional Office.

Prohibition of Illicit Discharges

The DEP Stormwater Management Standards prohibit illicit discharges to the storm water management system. Illicit discharges are discharges that do not entirely consist of stormwater, except for certain specified non-stormwater discharges.

Discharges from the following activities are not considered illicit discharges:

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| firefighting | foundation drains |
| water line flushing | footing drains |
| landscape irrigation | individual resident car washing |
| uncontaminated groundwater | flows from riparian habitats and wetlands |
| potable water sources | dechlorinated water from swimming pools |
| water used to clean residential buildings | water used for street washing |
| without detergents | air conditioning condensation |

There are no known or proposed illicit connections associated with this project. If a potential illicit discharge to the facilities covered by this plan is detected (e.g., dry weather flows at any pipe outlet, evidence of contamination of surface water discharge by non-stormwater sources), MassDEP shall be notified and the City of Haverhill will work to resolve the discharge in accordance with the City of Haverhill Illicit Discharge Detection and Elimination Manual.

Appendix: Best Management Practices: Operation & Maintenance Measures

Best Management Practice	Sweep	Mow	Inspect	Clean	Repair	Notes
Grass Swale	NA	NA	4 Times Annually (after snow melt)	<ul style="list-style-type: none"> • As Needed Based on Inspection (ANI) • Litter and debris clogging or restricting flow in swale 	ANI	
Infiltration Trench	NA	NA	4 Times Annually (after snow melt)	<ul style="list-style-type: none"> • As Needed Based on Inspection (ANI) • Litter and debris clogging inlet or restricting flow in trench 	ANI	