



# Stormwater Operation and Maintenance Plan - Long Term Pollution Prevention

Ongoing maintenance is required for the proper function of the stormwater management system allowing the system prevent pollution for the long term. This document provides a guideline for this work and allows for record keeping.

Stormwater Management System Owner: Sanctuary Medicinals  
234 Taylor Street  
Littleton, MA 01460

Party Responsible for Maintenance: Director of Operations- Nicholas Satmary  
Sanctuary Medicinals

## Snow Removal

Snow removal from this private site is the responsibility of the property owner. Snow should not be plowed or stockpiled on the catchbasin. Snow storage areas are shown on the site plan. In an extreme weather event, the owner shall be responsible for snow removal offsite if necessary to maintain parking and site access.

## Preliminary Stormwater O&M Maintenance Budget

Inspection and maintenance = \$250 x 4 times per year = \$1,000±

## Site Specific BMP Maintenance Plans

(Reference MADEP Volume 2, Chapter – Structural BMP Specifications for the Massachusetts Stormwater Handbook and/or Manufacturer’s specifications)

## Routine Maintenance

Routine maintenance of lawns, gardens, and other landscaped areas shall occur as necessary to maintain the property in a neat and orderly fashion. Clippings, leaves and/or mulch shall not be washed into the drainage infrastructure.

### Deep Sump/Hooded Catchbasin

Location: double grated catchbasin within limits of existing parking area at low point on site

Inspect or clean deep sump catch basins four times per year at the end of the foliage and snow removal seasons. Sediments must also be removed four times per year or when the depth of deposits is greater than or equal to one half the depth from the bottom of the lowest pipe in the basin. Vacuum trucks are to be used to remove trapped sediment and supernatant. Although catch basin debris often contains concentrations of oil and hazardous materials such as petroleum hydrocarbons and metals, MassDEP classifies them as solid

waste. Any contaminated materials must be evaluated in accordance with the Hazardous Waste Regulations, 310 CMR 30.00, and handled as hazardous waste. MassDEP regulations prohibit landfills from accepting materials that contain free draining liquids.

#### Stormwater Water Quality Treatment Units

Location: Structure fitted with a grate, located opposite loading doors, Building Addition

Regular maintenance of the water quality units is essential. The maintenance of these units begins immediately at post-construction prior to putting the unit into service. During the first year of operation, the units should be inspected quarterly to determine the rate of accumulation of sediment and oils. In subsequent years, the units can be inspected at a frequency determined by the accumulation rate of sediment and oils, but in no cases should the inspection frequency exceed six months.

Inspect and complete preventive maintenance in accordance with manufacturer's recommendations. Units should also be cleaned immediately in the event of a spill.

#### Infiltration System

Location: In grass area between loading area of Building Addition and stonewall (property line)

Inspect the infiltration system at least once per year to ensure that the system is operating as intended. Inspect infiltration system during and after major storms to determine if the system is meeting the expected detention times. Examine the outlet structure for evidence of clogging or outflow release velocities that are greater than design flow and causing erosion. Make any necessary repairs immediately. During inspections, note any changes to the infiltration system or the contributing watershed, because these could affect system performance. Also check system for sediment accumulation. Remove sediment from the in system, as necessary. Providing an on-site sediment disposal area will reduce the overall sediment removal costs.

#### Outlet Control Structures, Flared End Outlets

Inspect biannually. Inspect for structural soundness and confirm no blockage exists at openings, or within pipe; and no erosion is occurring at outlet control structure inlet or outlet. Remove trash, sediment, debris and vegetation. Restabilize area near inlets and outlets as necessary.

## Stormwater BMP Inspection and Maintenance Log

(Print a log for each BMP and maintain a logbook for the project)

BMP: \_\_\_\_\_