
STORMWATER MANAGEMENT LONG TERM POLLUTION PREVENTION PLAN

HAVERHILL LANDFILL NORTHERN MOUND

**OLD GROVELAND ROAD
(ASSESSOR'S PARCEL 776-788-27)
HAVERHILL, MASSACHUSETTS**

Prepared for: **Langdon Environmental LLC**
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April 16, 2025 - REVISED

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Name of Owner: City of Haverhill, MA and Holcim-NER, Inc.
Name of Facility: Haverhill Landfill - Northern Mound and Lot 26 Ash Area
Location: Old Groveland Road, Haverhill, Massachusetts
(Assessor's Parcel 776-788-27, North side of Old Groveland Road)

The Owner agrees to comply with the following Long-Term Pollution Prevention Plan to ensure long-term stormwater quality discharge from the site:

- *Good housekeeping practices:* The proposed development will be maintained by the owners, including landscaping, parking area management, snow removal, de-icing, waste removal, and BMP inspection/maintenance.
- *Provisions for storing materials and waste products inside or under cover:* Waste products are not anticipated to be produced or stored on this site. Any waste products produced by the users of the recreational areas shall be placed into trash receptacles for removal or taken off-site by the producer. Owners/operators shall inspect on-site areas for litter and trash on a weekly basis. Any accumulated trash, litter, and discarded materials in this area will be removed and will be disposed of at a suitable location on a weekly basis.
- *Vehicle washing controls:* Vehicle washing is not anticipated as a use of the site.
- *Spill prevention and response plans:* There are no proposed uses at the site that would provide an opportunity for a spill of oil or hazardous materials, other than a sudden, catastrophic, vehicle failure. If a vehicle release is the result of an accident, the police and fire department will respond and address any release. In the event of a spill of hazardous waste or oil, the facility operator shall be notified immediately. The operator shall assess the incident and initiate control measures. The operator shall contact the Fire Department. The Fire Department is ultimately responsible for matters of public health and safety and should be notified immediately. Based on the assessment by the Fire Chief, additional notification to a clean-up contractor may be made. The Massachusetts Department of Environmental Protection and the EPA may be notified depending upon the nature and severity of the spill. The Fire Chief will be responsible for determining the level of clean up and notification required.

Provisions for maintenance of lawns, gardens, and other landscaped areas: The long-term maintenance for the landscaped areas and stormwater BMPs on the capped Northern Mound and Lot 26 Ash Area are as follows:

- The field and surrounding areas including strips along the pathways will be mowed weekly during the growing season to maintain a maintained grass cover. The field and these areas to be frequently mowed will be planted

with an appropriate grass seed mix selected and approved by the Landscape Architect.

- Other grassed areas including the two mounded areas on the Northern Mound and the top of the slope along the Merrimack River and Johnson's Creek will be maintained in the accordance with the standard procedures for capped landfills. These areas will be mowed once or twice per year to limit the establishment of woody or shrubby vegetation. These areas will be planted with the typical slope grass seed mix used by Langdon at numerous landfill sites.
- The areas on the Northern Mound to be planted with trees will not be mowed. Other vegetation establishes below the trees may occasionally be cut out or removed. The area under the trees will be planted with the same grass seed mix as the mounded area discussed above.
- The bottom and side slopes of the stormwater basins will be planted with the New England Erosion Control/Restoration Mix For Detention Basins and Moist Sites seed mix from New England Wetlands Plants or approved equal. This seed mix is intended to not be mowed. Any shrubs or small trees that get established in the basins will be periodically removed.

A schematic figure showing the different areas is attached.

Landscape areas shall be maintained in a neat and orderly fashion. Landscape maintenance debris shall not be deposited on adjacent properties and properly disposed of off-site as necessary to maintain a clean and orderly appearance. Inspect for signs of erosion, rilling, gullyng. Areas should be reseeded for stabilization. If areas need constant maintenance apply mulch/wood chips to help prevent further erosion.

- *Requirements for storage and use of fertilizers, herbicides, and pesticides:* At this time there would be no foreseeable need for fertilizers, herbicides, and pesticides. If these are to be kept on site, they shall be kept indoors. The use of these chemicals shall be in a manner consistent with the products intended use and manufacturer's specifications. If fertilizers, herbicides or pesticides are required, their use will be limited to the recreational field areas.
- *Provisions for operation and management of septic systems:* Not Applicable
- *Provisions for solid waste management:* Any waste products produced by the users of the recreational areas shall be placed into trash receptacles for removal or taken off-site by the producer. Owners/ operators shall inspect on-site areas for litter and trash on a weekly basis. Any accumulated trash, litter, and discarded materials in this area will be removed and will be disposed of at a suitable location on a weekly basis.

- *Snow disposal and plowing plans relative to Wetland Resource Areas:* No snow will be stored or disposed of in surrounding resource areas. Snow plowing will be done to allow safe access to and throughout the site. No salt shall be used to treat unpaved areas during snow and ice conditions. Snow from lighter storms shall be plowed to the perimeter of the parking lots and allowed to melt onto the pavement surfaces. Snow shall be temporarily stockpiled on the pavement surface during larger storm events to keep the parking area open. Stockpiling shall be temporary and shall be located within designated areas throughout the Site, furthest away from resource areas. If Site snow storage interferes with parking lot operations (i.e. blocking of travel aisles, sight distance, or parking) the snow pile will be either removed or reduced legally within 24 hours. The City does not intend to utilize the recreational facility during the winter months when plowing of the parking lot would be required.
- *Street sweeping:* The owner will perform street sweeping as needed to minimize sediment build up along the roadway.
- *Provisions for prevention of illicit discharges to the stormwater management system:* Only stormwater is proposed to be conveyed through the stormwater management system. No illicit materials shall be permitted. The owners will be responsible for maintaining this system.
- *Documentation that Stormwater BMPs are designed to provide for shutdown and containment in the event of a spill or discharges to or near critical areas or from LUHPPL.* The project is considered a LUHPPL, however the final capping of the landfill will eliminate all exposure to hazardous materials. In the event of a vehicular spill, the owner and fire department shall be responsible for clean-up and contamination removal.
- *Training for staff or personnel involved with implementing Long-Term Pollution Prevention Plan:* Prior to implementation of the LTPPP, the owners shall provide an on-site meeting with the maintenance personnel to present the contents and requirements of the Stormwater Operation and Maintenance Plan and the LTPPP.
- *List of Emergency contacts for implementing Long-Term Pollution Prevention Plan:* TBD

