

**LPH SOIL REMEDIATION
FORMER LANDFILL
AND ASPHALT PLANT
OTTER CREEK
HAPPY VALLEY-GOOSE BAY
NEWFOUNDLAND AND LABRADOR
PROJECT NO. R.082578.001**

1.01 DEFINITIONS

- .1 Hazardous Material: Product, substance, or organism that is used for its original purpose; and that is either dangerous goods or a material that may cause adverse impact to the environment or adversely affect health of persons, animals, or plant life when released into the environment.
- .2 Measureable LPH is defined as the thickness of LPH that can be measured in a monitoring well using an electronic oil/water interface probe (typically greater than 1 mm LPH thickness).

2.01 FIRES

- .1 Fires and burning of rubbish on site not permitted.

3.01 DISPOSAL OF LPH, LPH IMPACTED SOILS AND WASTES

- .1 Do not bury rubbish and waste materials on site.
- .2 Contractor to install erosion and sedimentation controls at the perimeter of all work areas to ensure no deleterious materials leave the work areas. Control measures shall be put in place to ensure there are no impacts from site work on the immediate environment, watercourses or habitats. Contractor to leave site in a condition that erosion and sedimentation is not a long-term issue.
- .3 Contractor to be prepared to intercept, clean up, and dispose of spills or releases that may occur whether on land or water. Maintain materials and equipment required for cleanup of spills or releases readily accessible on site.
- .4 Trees, shrubs, plants and aquatic environments (streams, ponds, wetlands, etc.) outside of the work area to be excavated must be protected from unnecessary damage.
- .5 Do not dispose of hazardous waste including volatile materials, such as mineral spirits, paint thinner, oil or fuel into waterways, storm, sanitary sewers or municipal solid waste landfills.
- .6 Store, handle and dispose of hazardous materials and hazardous waste in accordance with applicable federal and provincial laws, regulations, codes and guidelines.
- .7 Perform work in such a way as to:
 - .1 Optimize use of materials and minimize waste.
 - .2 Dispose of leftover products, waste and demolition debris with maximum consideration on recycling and minimizing disposal at landfill sites.
- .8 Dispose of waste and debris at approved landfill sites only and transfer stations. Stringently follow provincial, municipal and landfill operator rules and regulations. Separate out and prevent improper disposal of items banned from landfill operations.
- .9 Deconstruct and separate at source demolition debris, construction material waste,

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product packaging and delivery containers into various waste categories in order to maximize recycling abilities of various items and to divert as much waste as possible from disposal at landfill sites in a "mixed state".

- .1 Where specialized recycling firms exist, transport waste and leftover materials to such facility.
 - .2 Cooperate and follow landfill site operator's recycling program and efforts on landfill diversion.
- .10 Communicate with landfill operator prior to commencement of work, to determine what specific construction, demolition and waste materials have been banned from disposal at the landfill.

4.01 POLLUTION CONTROL

- .1 Prevent contaminations of air beyond applicable work areas, by providing temporary enclosures.
- .2 Maintain inventory of hazardous materials used and hazardous wastes stored on site. List product name, quantity and date when storage began.
- .3 Have emergency spill response equipment and rapid clean-up kit, appropriate to work, at site. Locate adjacent to work and to storage areas of hazardous materials. Provide personal protective equipment as required for clean-up.
- .4 Report to Federal and Provincial Department of the Environment petroleum and other hazardous material spills as well as accidents having potential of polluting the environment. Also, notify Departmental Representative and submit a written spill report to Departmental Representative within 24 hours of occurrence.

END OF SECTION