

Update

September 2016

on the Comox Valley Waste Management Centre Engineered Landfill Cell 1 Construction

Overview:

According to the 2012 Solid Waste Management Plan, the Comox Strathcona waste management (CSWM) service is responsible for construction of a new engineered landfill at the Comox Valley waste management centre (CVWMC) to serve the region.

Latest News:

The construction of the new engineered landfill at the CVWMC is now underway, adjacent to the existing landfill which is nearing final capacity. Cell 1 includes the excavation of 430,000m³ of soil (equivalent to 172 Olympic sized swimming pools).

The cell will be lined with 66,000m² (equivalent to 11 CFL playing fields) of a high-density polyethylene (HDPE) double-sided textured geomembrane and a lower secondary geosynthetic clay liner (GCL). To ensure protection of the surrounding groundwater, the liner will act as a barrier preventing any stormwater that comes in contact with the waste entering the environment. Any leachate generated will be pumped out and treated at the onsite leachate treatment plant to be built early next year.

Cell 1 is budgeted for \$7.5 Million and planned to be built with an aggressive construction schedule with substantial completion by November 2016.

The cell layout can be seen in the drawing below. **(See Photo 1)**

The cell excavation can be seen in photos on the right. **(See Photos 2-8)**

The cell ranges in depth from 8-16 meters sloping to the South West. At the low point of the cell, leachate will be collected and pumped to the future onsite treatment facility.



2 Cell excavation



3 Cell excavation



4 Cell excavation looking SW



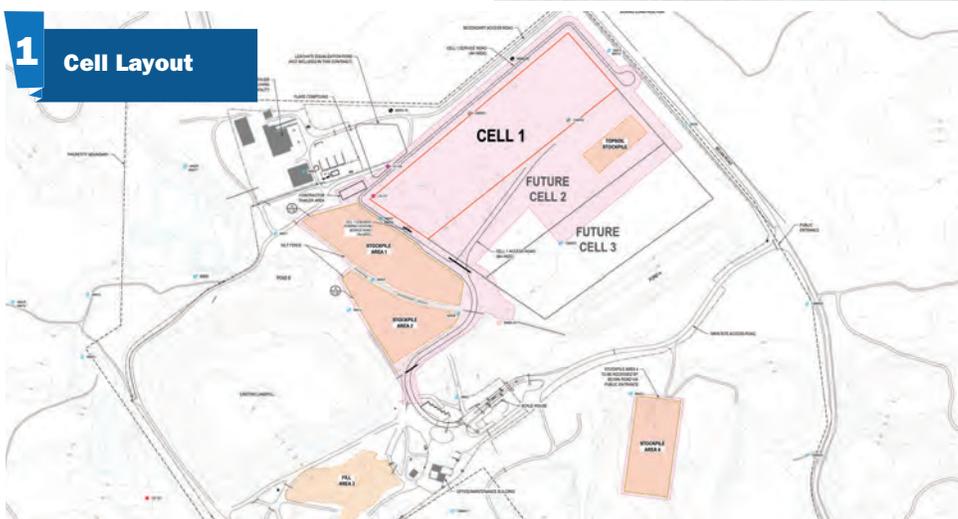
5 Stockpile 1 and 2 in the foreground, with cell excavation occurring in the background.



6 Stockpile 3 being compacted



7 Shaping and compacting of stockpile 2. The new access road to the landfill will run alongside stockpile 2.



1 Cell Layout

A screener is onsite for preparing the subgrade material for under the liner. This material will provide a protection layer for the GCL and HDPE liner prior to installation.



8 Screener