



CASE STUDY

Radioactive Waste Cell Lining

HDPE Geomembrane, Geotextile and Geosynthetic Clay Liner (GCL)



▼ **LOCATION:** Port Hope, Ontario

▼ **PROJECT TYPE:** Supply and Install

▼ **PRODUCT USED:** HDPE Geomembrane, Geotextile and Geosynthetic Clay Liner (GCL)

▼ **PROBLEM:**

The Port Hope area had approximately 1.2 million cubic meters of historic low-level radioactive waste. A multi-phase, federal municipal remediation project was launched which involved construction of a waste management facility and supporting infrastructure, including a 16x25m high waste containment mound, six buildings, paved roads/parking areas, a storm water management pond and a water treatment plant. Waste from various sites within Port Hope would be cleaned and transported to the waste management facility for long-term maintenance and monitoring.



▼ **THE TITAN SOLUTION:**

Titan carried out significant work at the site. This included installing a multi-layer geosynthetic system which included over 900,000m² of HDPE geomembrane, geotextile and geosynthetic clay liner (GCL) to line three radioactive waste cells.



▼ **ACHIEVEMENT:**

We were chosen for this project due to our extensive lining experience and successful project history with the client.

Contact us for more information:

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