

Mitsue Landfill



ENGINEERED LANDFILL DISPOSAL



Plant Profile:

Hours of operation	Daily 8AM to 6PM
Location	4-29-072-04W5
Directions to facility	On Hwy 2, approximately 6 km east of Hwy 88, is a sign for the Mitsue Industrial Park. Turn north on this road and proceed about 9 km. At the stop sign turn right, and proceed 1 km to CCS sign. The facility is on the left.
Address	Box 1730, Slave Lake, AB, T0G 2A0
Phone	780-849-3327
Fax	780-849-3351
Class and Approval	Class II Oilfield Landfill
Permit Number	AEUB # WM 041
LF Design	An Engineered Class II Landfill featuring a composite liner comprised of a 1.0m thick recompacted clay liner covered by a 40 mil high density polyethylene (HDPE) geomembrane liner along with a leachate collection system. Our newest phase has a composite liner comprised of a 1.0m thick recompacted clay liner covered by a 60 mil high density polyethylene (HDPE) geomembrane liner along with a leachate collection system. Combined permeability of both liners exceeds regulatory requirements. Cell construction is subject to a strict QA/QC Program managed by third party Professional Engineering Consultants.
Groundwater Monitoring	A ground water monitoring program is in place with 3 wells located up gradient of the landfill cells and 8 wells located down gradient of landfill cells. Sampling occurs 2 times a year with analysis compared to background analysis. Analytical reports are available for viewing on site. Results are submitted annually to the appropriate regulatory authority.
Surface Water Controls	Surface water is managed to prevent clean surface water from entering the landfill. Any water inside the landfill is contained and collected as leachate.
Waste Acceptance Protocol	A three step process that begins with: 1) the application for disposal (WCD) submitted with third party accredited lab analytical attached, to be reviewed and approved by CCS Landfill personnel. 2) random sampling of waste streams entering the facility. Testing for gross parameters including; flashpoint, pH, paint filter and NORM detection. 3) scale and equipment operators observe the loads as they are being received for any discrepancies.
Waste Placement	Facility utilizes a three dimensional alpha numeric grid locating system with surveyed elevations. Documentation is maintained showing the location of each load.
Waste Tracking Documentation	All approved loads must be accompanied by a completed CCS non-hazardous & non-dangerous Waste Manifest. Manifest serves as a Waste Disposal certificate.
Expansions	Phase III was completed November 12, 2003. Plans are in the works for our next expansion, for as early as the second quarter of 2005.
Plant bio	The Mitsue landfill (the first CCS Class II Oilfield Landfill) Phase I, was completed on December 16, 1997. After construction of phase I, existing on site waste and potentially contaminated soil, were excavated from the phase II development area and deposited into phase I. Phase II was completed on June 4, 1998. Phase III was completed on November 12, 2003. The CCS Mitsue Landfill is located adjacent to the CCS Mitsue TRD Facility. Access to CCS Mitsue Facility is not subject to seasonal load restrictions.

Contact:
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