



Mitsue Landfill

CCS LANDFILL SERVICES

PLANT PROFILE

Hours of Operation	8 am to 6 pm daily, after hours by appointment only
Location (LSD)	04-29-072-04W5
Directions to Facility	When approaching Slave Lake on Hwy 2 east, approximately 10 km before reaching the town, there is a sign for the Mitsue Industrial Park and a CCS sign. Turn north on this road and travel about 9 km past the gas plant, pulp mills and sawmills. Turn right and follow the road approximately 1 km. The facility is on the left-hand side
Mailing Address	Box 1730, Slave Lake, AB T0G 2A0
Phone	(780) 849-3327
Fax	(780) 849-3351
Area Sales and Marketing	(780) 706-6403
Class and Approval	Class II Landfill
Permit Number	218419-00-00
LF Design	The Engineered Class II industrial disposal cell contains a composite liner system made up of a 1.0 meter compacted clay liner (CCL) overlain by a 40 mil (cell 1 & 2) 60 mil (cell 3,4&5) high density polyethylene (HDPE) geomembrane liner. The leachate collection system consists of a perforated pipe collection and removal system, gravity fed by a geomembrane drainage layer. The composite liner exceeds the regulated minimum for industrial landfill construction
Groundwater Monitoring	A ground water monitoring program is in place with onsite monitoring wells located both up-gradient and down-gradient of the landfill cells. Sampling occurs twice a year with analysis compared to background analysis and past groundwater sampling events. Analytical reports are available for viewing at the 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	The Waste Approval Application (WAA) is submitted along with appropriate third party accredited lab analytical attached. The waste stream is approved for disposal by the landfill and an approval number is issued. The first load from every approval location is tested along with random sampling of waste streams entering the facility. Testing parameters include parameters used to approve the waste stream
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	Every load of waste coming to the site must be accompanied by a CCS Non Hazardous Waste Docket, complete with approval number. This waste docket serves as a certificate of transportation and disposal



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Plant Biography	Mitsue LF opened January 1998. The facility was originally a Class II Oilfield landfill licensed by the EUB. The holder of our approval changed to AENV July 14, 2005. We are located directly off of the Mitsue industrial road which is not subject to seasonal load restrictions
Other Information	Mitsue Landfill latest expansion, cell #4, was completed and commissioned in November 2005. This added an additional capacity of 108,300 m3 for a combined total site capacity of 437,258 m3