



Crowsnest Pincher Creek Class II CCS LANDFILL SERVICES

PLANT PROFILE

Hours of Operation	8am to 4 pm, 6 days a week, or by appointment
Location (LSD)	NW 1/4 -08-007-01W5M
Directions to Facility	N/A
Mailing Address	N/A
Phone	N/A
Fax	N/A
Area Sales and Marketing	403-634-7323
Class and Approval	AENV Class II Landfill
Permit Number	18701-01-00
LF Design	<p>The industrial and oilfield waste disposal cells are designed with:</p> <ul style="list-style-type: none"> • A leachate collection and removal system consisting of a perforated pipe system graded to drain through a granular drainage matrix to a collection sump • One (1) meter thick engineered clay liner system covered by a 60 mil high density polyethylene (HDPE) geomembrane liner. <p>The design and performance of the liner system in place meet the criteria outlined in ERCB ID 99-04 and the Draft Standards and Guidelines for Landfills in Alberta for no limits on total hydrocarbons or chlorides concentration in waste submitted for disposal</p> <p>The bioremediation pad is constructed with:</p> <ul style="list-style-type: none"> • A 0.5 meter thick compacted clay liner, and is equipped with run-on and run-off controls to manage any precipitation on the pad as leachate
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 as per ground water monitoring plan 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

The Pincher Creek Industrial Landfill facility opened in March of 2001. The industrial cell is able to take both industrial and oilfield waste streams. Some of the waste streams accepted include but are not limited to :

- Hydrocarbon, salt, or other contaminated soils
- Asbestos
- Catalyst, desiccant beads
- Fly ash and sulfur wastes
- Wood and incinerator wastes
- Tank and treater bottoms
- Oily and water based drilling waste
- UST soils from gasoline and diesel fuel stations

The treatment pad on site accepts waste streams that can be treated to meet disposal criteria. Access to the site is off a primary highway onto a gravelled road