



Virден Landfill

CCS LANDFILL SERVICES

PLANT PROFILE

Hours of Operation	7am to 7pm 7 days a week, or by appointment
Location (LSD)	SE 1/4 24-011-26 W1M
Directions to Facility	TBC
Mailing Address	PO Box 1019, Virден, Manitoba R0M 2C0
Phone	(204) 748-6033
Fax	(204) 748-6033
Area Sales and Marketing	(306) 741-2744
Class and Approval	Manitoba Construction Disposal Ground
Permit Number	3011-135
LF Design	<p>The bioremediation area is designed with:</p> <ul style="list-style-type: none"> • One (1) meter high berms around the perimeter to prevent run on of surface water and runoff of leachate • The base of the bioremediation area is constructed with a 0.5m thick compact, low permeability clay liner, sloped at 1% to collect leachate <p>The industrial landfill disposal cell is constructed with:</p> <ul style="list-style-type: none"> • One (1) meter high berms around the perimeter to prevent run on of surface water and runoff of leachate • The base of the bioremediation area is constructed with a 0.5m thick compact, low permeability clay liner, sloped at 1% to collect leachate
Groundwater Monitoring	A groundwater monitoring program is in place with 24 monitoring wells located on site including wells both up gradient and down gradient of the landfill cell. Sampling occurs twice a year with analysis compared to back-ground analysis and past groundwater sampling events. Analytical reports are available for viewing on site. Results are submitted annually to the appropriate regulatory authority as part of the facility's annual report
Surface Water Controls	The landfill cell keeps any precipitation water within the boundaries of the cell. The water is then removed as leachate through the leachate collection system in the bottom of the cell. The treatment pad is graded to direct all precipitation into a double lined leachate collection pond with a leak detection system between the liners. Any clean surface water is collected in a pond so it does not enter the landfill
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	The landfill is sectioned off into a three dimensional grid placement system. Loads locations are tracked as material is disposed. Waste loads are placed based on waste stream type and cell conditions



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Waste Tracking Documentation

Every load of waste arriving at the facility must be accompanied by a completed CCS Non-hazardous Docket. The docket serves as a certificate of transportation and disposal

Plant Biography

The Virден Industrial Landfill facility opened in August 1996. The industrial cell is able to take both industrial and oilfield waste streams. The majority of waste disposal is flare pit clean up material. The treatment pad on site accepts waste streams that meet disposal criteria. Access to the site is off a primary highway onto a graveled road. Access to CCS Lomond landfill is not subject to seasonal load restrictions