



BIG VALLEY LANDFILL
 8 km West of Hwy 590
 Big Valley, Alberta
 LSD: S ½ - 25-35-21 -W4
 403.876.2029

BUSINESS HOURS
 Monday – Friday:
 7:00 a.m. – 4:00 p.m.

Extended hours of operation available upon request.

Big Valley Landfill

Waste Management Corporation of Canada’s (WMCC) facility provides safe and convenient disposal services for communities, businesses and industries. This regional facility is engineered with environmental protection systems designed to meet or exceed rigorous government requirements.

The Big Valley Landfill uses a multi-tiered approach for groundwater and environmental protection. First, the site is situated on top of low permeability glacial till. Second, it leverages an advanced landfill engineering design and operation. Lastly, system performance is monitored through a series of checks and balances, including environmental monitoring systems for surface water, groundwater and environmental protection. An example of these operational practices includes placing a final cap in

Liner System

The facility’s landfill cells are lined in accordance with the Alberta Environment approvals. The liner systems are developed in tandem with the leachate collection system, creating cohesion of engineered management system design.

Leachate Collection & Conveyance

The leachate collection and conveyance system consolidates and drains leachate to engineered extraction points, called sumps, which cover the entire landfill base. Currently, the leachate collection synchronizes with an automated electronic monitoring system, which transmits real-time liquid levels to both on and offsite staff. This system also automatically pumps liquid into the lined leachate evaporation pond, to maintain the leachate at an acceptable elevation. The leachate collection and conveyance system will continue to be expanded as the landfill is further developed.

Environmental Monitoring

The landfill’s environmental monitoring program is based on the requirements of both the Standards for Landfills in Alberta (AENV, 2010) and the Environmental Protection and Enhancement Act Approval No. 46773-01-00. The environmental monitoring program at the Big Valley Landfill includes groundwater, leachate and surface water monitoring, which takes place on a semi-annual basis. The groundwater monitoring network monitors groundwater in both the glacial till and Horseshoe Canyon Formation. WMCC also monitors several privately owned wells within 2 km of the landfill. Surface water samples are taken from specifically defined locations both on and off-site.

YEAR OPENED
 1992

PROJECTED LIFE REMAINING
 59 years

FACILITY ACREAGE
 150 hectares

PERMITTED FOOTPRINT
 45 hectares

REMAINING PERMITTED CAPACITY ³
 4.5 million m

TONS PROCESSED ANNUALLY
 119,000 (2014)

OWNERSHIP
 Waste Management of Canada Corporation (WMCC)

PERMIT TYPE & PERMIT #
 Province of Alberta EPEA
 46773-02-00 (Provincial Operations Approval)

County of Stettler
 Development Permit

NUMBER OF SITE EMPLOYEES
 4



Security

The Big Valley Landfill has a perimeter fence that limits unauthorized access to the facility. The facility can only be accessed via a single entrance, which directs all traffic to a gatehouse occupied during business hours by trained personnel. During non-business hours, the gate is locked and the facility is monitored by electronic surveillance.

Acceptable Materials

Asbestos (Friable & Non-Friable)
Auto Shredded Fluff
Construction & Demolition Debris
Exploration & Production Wastes
Off-Spec Non-Food Products
Process Waste Soils

Special Waste
Soils
Non-Hazardous Solid Industrial Waste
Oil Field Waste
Treated Biomedical Waste

Unacceptable Materials

Municipal Solid Waste (MSW)
Yard Waste
Bulk Liquid Wastes
Dangerous Oilfield Waste (DOW)
Domestic Wastewater
Explosives
Abandoned Automobiles

Household Hazardous Waste
Ozone-Depleting Substances
Radioactive Wastes
Untreated Biomedical Wastes
Hazardous Waste
Ashes
Street Cleaning Sands

Waste Approval Process

Waste Management has a customer-oriented waste screening protocol for each of its waste facilities, which protects employees and the environment. For industrial and special waste streams, the generator or agent must complete a waste profile for review by our technical staff. Once a waste has been screened, Sales and Technical staff will work together to meet the clients' logistical needs. Waste profiles can be completed online at WMSolutions.com.

Risk Mitigation

Waste Management provides the highest level of services, backed with state-of-the-art management systems to minimize potential risks and reduce liabilities.

Community Partnerships & Involvement

WMCC is proud to support the communities where it conducts business. WMCC's Community Investment Fund in Big Valley continues to provide funding to important local projects and non-profit organizations.

WMCC is committed to continue supporting Big Valley's non-profit organizations and being a valued community partner and environmental steward.



CONTACT

Sales

Lorna Engleson
780.504.4989
lengleso@wm.com

Technical Support

TSC Midwest
800.963.4776
tscmidwest@wm.com

Landfill

Scalehouse
403.876.2029

Community & Media Relations

Solomiya Lyaskovska
403.461.7660
slyaskov@wm.com

COMMUNITIES SERVED

The Village of Big Valley

