

# Thorhild Landfill Facility Overview

## SITE TYPE & SERVICE

Class II Industrial  
Solid Waste Landfill  
Bulk Storage

## PERMIT INFORMATION

EPEA Approval Number:  
236328-00-00

## ACCEPTABLE WASTES

Non-Dow EUB Waste  
Non-Haz AEP Waste

## ACCEPTABLE WASTE STREAMS

Asbestos  
Catalyst  
Contaminated Soils  
Demolition/Construction Debris  
Flare Pits  
Municipal Solid Waste  
Non-Hazardous Industrial Waste  
Process Solids  
Solidified Sludges  
Tank Bottoms

## UNACCEPTABLE WASTE STREAMS

Any Liquids  
Explosives  
Radioactive Hazardous Material

## SECURITY

Single Access Point  
Perimeter Fencing  
Closed Circuit Television

## LINER SYSTEM

- 2.0m Protective Material (select waste),
- 0.3m Granular Leachate Collection Layer,
- Geotextile cushion,
- Geomembrane Liner (60-mil HDPE),
- Geocomposite,
- Geomembrane Liner (60-mil HDPE),
- 0.6m Compacted Clay, and
- Prepared Subgrade.



## INDUSTRIAL WASTE ACCEPTANCE CRITERIA

- Waste must be non-hazardous defined by Alberta User Guide for Waste Managers
- Flashpoint, must be  $> 61^{\circ}\text{C}$
- pH, must be  $> 2$  to  $< 12.5$
- Paint filter test, must pass as solid material
- T.C.L.P. metals must not exceed Table 2 values below
- T.L.C.P., B.T.E.X. must not exceed Table 2 values below
- Contaminant concentration must not exceed Alberta's hazardous waste criteria
- Clubroot testing - dependant on material origination\*
- Total Elemental Sulphur & Total Sulfate may be required depending on origination of material

### TABLE 2: METALS

| Contaminant | mg/L   |
|-------------|--------|
| Antimony    | 500.0  |
| Arsenic     | 5.0    |
| Barium      | 100.0  |
| Beryllium   | 5.0    |
| Boron       | 500.0  |
| Cadmium     | 1.0    |
| Chromium    | 5.0    |
| Cobalt      | 100.0  |
| Copper      | 100.0  |
| Iron        | 1000.0 |
| Lead        | 5.0    |
| Mercury     | 0.2    |
| Nickel      | 5.0    |
| Selenium    | 1.0    |
| Silver      | 5.0    |
| Thallium    | 5.0    |
| Uranium     | 2.0    |
| Vanadium    | 100.0  |
| Zinc        | 500.0  |
| Zirconium   | 500.0  |

### VOLATILE ORGANICS (partial)

| Contaminant  | mg/L |
|--------------|------|
| Benzene      | 0.5  |
| Toluene      | 0.5  |
| Ethylbenzene | 0.5  |
| Xylene       | 0.5  |



### CONTACT

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