
Waste Acceptance Procedure - Soils Containing Hydrocarbons

This procedure sets out the procedures for the application, acceptance and delivery of soils containing hydrocarbons to the Beaver Regional Landfill. The standard *Certificate of Compliance for Soils Containing Hydrocarbons* and the standard *Waste Manifest for Soils Containing Hydrocarbons* are referenced in this procedure.

In unusual circumstances where these procedures cannot be applied directly, a deviation from this protocol may be authorized by the Chief Administrative Officer.

Acceptable Soils:

Soils falling within the following parameters may be accepted for disposal at the Beaver Municipal Landfill.

- Soils must not be classified as a hazardous material under the provisions of the Alberta User Guide for Waste Managers;
- Flash point must be higher than 61°C;
- The pH value must be no less than 2.0, and no higher than 12.5;
- There must be no free liquids as determined by use of the paint filter test.

Soil characteristics must be properly profiled with supporting test results to demonstrate the concentrations of all contaminants of concern. As a general guide, the following number of samples should be tested to be considered representative:

- For routine process byproduct materials (e.g. produced sands) – 1 test for every 5,000 tonnes to be delivered, with a minimum of 3 tests for any project.
- For well site and tank farm cleanups – 1 test for every 2,000 tonnes to be delivered, with a minimum of 2 tests for any project.
- From all other sources – 1 test for every 1,000 tonnes to be delivered, with a minimum of 2 tests for any project.
- For any project under 500 tonnes, one representative test will normally suffice.

Beaver Municipal Solutions may require additional testing on any project prior to rendering a decision on acceptability. Acceptance or rejection of any application will be at the sole discretion of Beaver Municipal Solutions.

Application:

- Applications for the acceptance of soils containing hydrocarbons for disposal at the Beaver Regional Landfill are to be submitted to Beaver Municipal Solutions for review and approval.
- Applications shall include:
 - A fully completed *Certificate of Compliance*, signed and sealed by a qualified professional;
 - Copies of all laboratory test results for samples taken of the soil, and;
 - A letter from the waste generator or authorized agent requesting the establishment of an account with Beaver Municipal Solutions, and confirming the name, billing address and person responsible for payment of the account.
- The concentrations to be reported when completing the *Certificate of Compliance* shall be the maximum concentrations reported in all of the test results for the project.
- Applications will be reviewed for suitability for disposal at the Beaver Municipal landfill, and capacity to accept the proposed delivery. Beaver Municipal Solutions may, require additional supporting information before accepting or rejecting an application.
- Approval of an application will include:
 - An approval number to be used as the official reference for all further documentation pertaining to the project;
 - The fees to be charged;
 - Operating hours within which the soils may be delivered to the landfill;
 - Invoicing conditions and terms of payment;
 - A copy of the standard waste manifest form, which will be required to accompany every load of soil delivered to the site;
 - Standard waste acceptance conditions (i.e. verification testing provisions, non-compliance violations, etc.), and;
 - Any other special conditions deemed necessary by Beaver Municipal Solutions.

Waste Manifest:

The waste manifest is a tracking form issued to the generator/customer for each load brought to Beaver Municipal Solutions. This manifest is not transferable, and the assigned approval number must not be used for shipping of any other than the approved soils or for any other project.

- The waste generator or his agent is to complete the *Project Identification* and the *Generator Information* portions of the manifest in their entirety, including the entry of the project approval number provided in the letter of acceptance, and sign the declaration statement. Photocopies of the original partially completed manifest can be passed off to the hauler as required to accompany each load for delivery.
- Each driver is to complete and sign the *Transporter Information* section of a copy of the partially completed manifest as prepared by the waste generator, and provide it to the scale attendant at the Beaver Municipal landfill. A separate manifest is required for every load delivered.

- The scale attendant at the landfill will complete and sign the *Disposal Site Information* portion of the manifest upon receipt of each load, and retain the completed manifest in the project file. If requested, the scale attendant may make a photocopy of the completed manifest for the driver.

Acceptance at Site:

- Approved soils containing hydrocarbons will be accepted at the Beaver Municipal Landfill, weather permitting, during operating hours specified in the letter of acceptance. Either the waste generator or the hauler must provide Beaver Municipal Solutions with 24 hour's notice prior to commencing hauling.
- Upon arrival at the landfill, the driver must provide a copy of the manifest in order to access the site. No loads will be accepted for disposal without a properly completed manifest.
- After providing the manifest, the scale attendant will log the information into the scale system and produce the standard scale ticket for the driver and for billing and record purposes.
- The scale attendant will direct the driver to the designated disposal point, and will communicate the details of the incoming load to the equipment operators on site by VHF radio.
- Soils from each approved project will be unloaded in a designated receiving area as directed by the landfill attendant or equipment operator.
- The equipment operator or landfill attendant will record the site coordinates where the waste was deposited, and will transmit that information back to the scale attendant for recording on the manifest.
- The equipment operator or landfill attendant will visually assess each load as it is deposited for consistency with the description of the materials provided in the *Certificate of Compliance*. Any discrepancies or inconsistency will be reported to the scale attendant immediately, who will initiate a follow up investigation.
- The designated lead hand at the landfill will also reference all activities pertaining to the soils acceptance and disposal in the daily operating log.
- Verification testing of soil samples will be undertaken at random to ensure the soils received are consistent with the application. Verification testing will normally consist of sampling and field screening tests for one random grab sample for every 200 tonnes of soil received for indicator parameters (i.e. flash point, total hydrocarbons, total chlorides, or other). In the event that laboratory testing is necessary for verification purposes, this will be an added cost, chargeable to the waste generator.
- In the event that discrepancies arise between the application and the verification testing, the soils will be re-sampled (three samples in the immediate vicinity of each sample which showed a discrepancy) and tested using the same or more detailed methods. Based on the results of the re-testing, the soils may be subject to a surcharge, and/or may be required to be removed from site at the waste generator's expense if the concentrations are found to be out of compliance. The cost of any laboratory testing required to confirm the field test results will also be borne by the waste generator.
- The waste generator is to notify Beaver Municipal Solutions in writing after the last load of soil has been delivered to the landfill. The project approval number will be closed, and no further soils will be accepted under that approval number.

Record Keeping:

Under the provisions of the landfill operating approval, a record of special wastes received and the location of their disposal must be retained in the Operating Record. Therefore, upon completion of invoicing, a copy of the Certificate of Compliance and accompanying test results, copies of all completed waste manifests for soils delivered, and copies of all verification testing reports for the project are to be compiled into a single project file and retained in the Operating Record.