Effective January 2022

src Environmental Analytical Laboratories

Landfill Waste Acceptance Testing Service List

Landfill Waste Material

Despite being categorized as, for example, a Class II landfill, each individual landfill operation specifies the requirements for acceptability of waste at their particular site. Requirements vary based on the site but also depend on the type and origin of the waste for disposal.

Clients should discuss their disposal needs and waste types with the landfill where they intend to dispose of their waste to arrange for a suitable testing protocol.

ANALYSIS
SASKATCHEWAN OR BC CLASS II LANDFILL PACKAGE Includes: • Sample preparation (drying and grinding) • Flashpoint • pH • Total BTEX (Benzene, Toluene, Ethylbenzene, Xylenes) • Leachable BTEX (TCLP) • Leachable metals and mercury (TCLP leach for Arsenic, Barium, Boron, Cadmium, Chromium, Copper, Lead, Mercury, Selenium, Silver, Uranium, Zinc) • Paint Filter Test (Free Liquids)
ALBERTA CLASS II LANDFILL PACKAGE Includes: • Sample preparation (drying and grinding) • Flashpoint • pH • Leachable BTEX (TCLP leach for Benzene, Toluene, Ethylbenzene, Xylenes) • Leachable Metals (TCLP leach for Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Mercury, Nickel, Selenium, Silver, Thallium, Uranium, Vanadium, Zinc, Zirconium) • Paint Filter Test (Free Liquids)

SUPPLEMENTAL TESTS

Some supplemental tests may be required by the landfill for certain wastes depending on the type and origin of the waste. Consult with the landfill to determine if any additional tests are required.

ANALYSIS
Volatile Organic Compounds (VOCs) Solvent Screen
Polychlorinated biphenyls (PCBs)

ANALYSIS (CONT.)
Polychlorinated Aromatic Hydrocarbons (PAHs)
Extractable Organic Halogens (EOX)
Total Organic Halogens (TOX) in oil or solvent
Leachable (TCLP) VOCs
Leachable (TCLP) EOX
Total Sulfur, Acid Soluble Sulfate, and Sulfide (calculated)
Glycols
Hexavalent Chromium
Total Cyanide
Phenolics

Natually Occurring Radioactive Materials

The *Canadian Guidelines for the Management of NORM* outline criteria for the disposal of naturally occurring radioactive material that arises in processes unrelated to the nuclear industry.

SRC Environmental Analytical Laboratories can provide testing to help assess if these waste materials meet the release limits outlined in the guidelines.

ANALYSIS
GAMMA SPECTROSCOPY FOR NORM • Includes: determination by gamma spectroscopy for several NORM parameters, including K40, Pb210, Ra226, Ra228, Th228, Th230, Th234.
NORM ON SOLIDS PACKAGE • Includes: determination by gamma spectroscopy for K40, Pb-210, Ra226, Ra228, Th228, Th230; determination by ICP-MS for U-238 and Th-232; assessment if the material meets the release limits specified in the guidelines.
NORM ON LIQUIDS PACKAGE • For disposal of aqueous or liquid waste containing NORM, the gamma spectroscopy technique is not sufficiently sensitive to assess if a waste meets the disposal criteria for all the radionuclides outlined in the guidelines.

QUESTIONS?

For questions about our laboratory testing procedures, pricing and sampling methods, please contact us.

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