

Industrial Solid Waste Fact Sheet

Contaminated Soils- Category 13

Definition

Contaminated soils may originate from various sources. A source may have areas contaminated with different products or combinations of products. Typically, these contaminated areas would be excavated from around a storage tank. The contaminants in question are most often those associated with gasoline, oils, and fuel oils, typically encountered near tank removal sites at locations such as filling stations, refineries, or other petroleum-related industries.

Disposal

Wastes mixed with inorganic materials (e.g., sand, soil, etc.) will be directed to the Olmsted County Kalmar Landfill. If combustible sorbents have been used, they may be directed to the Olmsted Waste-to-Energy Facility (OWEF).

Generator Requirements

See Required Testing below.

Procedures

Typical Delivery types

- dump trucks
- truck and semi-loads
- roll-off boxes
- small dumpsters

Background

Contaminated soils may originate from various sources. A source may have areas contaminated with different products or combinations of products. Typically, these contaminated areas would be excavated from around a storage tank. The contaminants in question are most often those associated with gasoline, oils, and fuel oils, typically encountered near tank removal sites at locations such as filling stations, refineries, or other petroleum-related industries. **No PCB contaminated wastes will be accepted.**

Disposal

Wastes mixed with inorganic materials (e.g., sand, soil, etc.) will be directed to the Olmsted County Kalmar Landfill. If combustible sorbents have been used, they may be directed to the Olmsted Waste-to- Energy Facility (OWEF).

Testing Requirements

Petroleum-contaminated soils must be evaluated using a Toxicity Characteristics Leaching Procedure (TCLP) for lead, unless it is a small one-time volume that is less than 5 cubic yards. Testing must include, at a minimum, the following parameters: benzene, toluene, ethyl benzene, xylene, (BTEX), and total petroleum hydrocarbons (TPH) – also, testing shall include gasoline range organics (GRO) for gasoline- contaminated sites, and diesel range organics (DRO) for oil-contaminated sites. The analyses and laboratory procedures outlined by the MPCA’s Petroleum Remediation Program will be utilized. To be accepted at the landfill, the material must meet the hazardous waste limits for lead and benzene, and the TPH concentration must be below 20,000 parts per million (ppm). If the leachate or groundwater concentrations for these parameters are already elevated for the secondary limits at the landfill, Olmsted County may consider restricting or eliminating wastes containing these compounds. For other types of contaminants, Olmsted County may require additional testing based on the possible contaminants involved.

If available, Material Safety Data Sheets (MSDSs) of the contaminants present in the soil must be provided.

Documentation

A current, approved Industrial Solid Waste Evaluation Form must be on file with the Olmsted County Environmental Resources Department. The waste hauler must present a current, approved Non-Hazardous Industrial Solid Waste Tracking Form at the time of delivery.