

Industrial Solid Waste Fact Sheet

Sludges- Category 10

Definition

Sludges are the by-products of a variety of wastewater treatment processes or commercial operations, such as the production of paper or lime, or the milling of lumber. Sludges must be dewatered, or “thickened” prior to disposal. Olmsted County cannot accept sludge waste containing infectious agents such as sewage and septic tank sludge.

Special Disposal Conditions

The waste material will be directed to the Kalmar Landfill or Olmsted County Waste-to-Energy Facility, depending on the combustion characteristics of the material.

Generator Requirements

Sludge waste generators must evaluate the waste using the Toxicity Characteristics Leaching Procedure (TCLP) and complete the Absence of Free Liquids Certification Form and may be required to complete a “paint filter test.” Large waste quantities should be scheduled at least one business day prior to delivery.

Procedures

Typical Delivery types

- grease trap waste in pumper trucks
- paper processing sludge in dump trucks
- commercial laundry filterings in dump trucks
- dehydrated fiberglass processing settling pond sludge
- sewage sludge (not accepted)
- septic tank pumpings (not accepted)

Background

Sludges are the by-products of a variety of wastewater treatment processes or commercial operations, such as the production of paper or lime, or the milling of lumber. In their original form, they are usually liquids. Federal and state regulations prohibit the disposal of liquids in landfills. Therefore, sludges are usually dewatered, or “thickened,” prior to disposal. Olmsted County does not, and cannot, accept sludge waste containing infectious agents, such as sewage and septic tank sludge.

Disposal

Waste material will be directed to the Olmsted County Kalmar Landfill or the Olmsted Waste-to-Energy Facility (OWEF), depending on the combustion characteristics of the waste material.

Testing Requirements

Unless complete documentation exists to characterize the sludge waste material (through knowledge of the waste and its characteristics), sludge waste generators must evaluate the sludge waste using the Toxicity Characteristics Leaching Procedure (TCLP) for those parameters that can reasonably be expected to be present. Given the fact that sludge wastes have a high potential of containing free liquids (as defined by Minnesota Administrative Rules), generators of sludge wastes must complete the Absence of Free Liquids Certification Form (see Page 3) and may be required to analyze a representative sample of the waste using analytical method SW-846 9095B, known as the "paint filter test." Under certain circumstances, additional testing may be required to ensure 1) the waste material is not a regulated hazardous waste and 2) the waste material is acceptable for disposal at an Olmsted County solid waste management facility. If available, Material Safety Data Sheets (MSDSs) 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 and a completed, signed Absence of Free Liquids Certification Form at the time of delivery.

Special Generator Requirements

Large waste quantities should be scheduled at least one business day prior to delivery.

Pictured: An example of an Absence of Free Liquids Certification form.



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ABSENCE OF FREE LIQUIDS CERTIFICATION

GENERATOR NAME: _____
GENERATOR ADDRESS: _____
CONTACT NAME: _____
PHONE NUMBER: _____
SOLID WASTE MANAGEMENT FACILITY: _____
WASTE DESCRIPTION: _____
INDUSTRIAL SOLID WASTE APPROVAL NUMBER: _____

Minnesota Administrative Rules, part 7035.0300, subpart 39, defines a free liquid as "the liquid produced when a 100-milliliter representative sample of solid waste is placed on a standard 400-micron conical paint filter for five minutes." Minnesota Administrative Rules, part 7035.2535, subpart 1, prohibits the disposal of free liquids, or wastes containing free liquids, at a regulated solid waste management facility. As such, Olmsted County solid waste management facilities will accept for disposal only wastes that do not contain free liquids as defined by Minnesota Administrative Rules.

CERTIFICATION

I certify that the above described waste that I have delivered to an Olmsted County solid waste management facility for disposal is not a free liquid and does not contain any free liquids as defined by Minnesota Administrative Rules, 7035.0300, subpart 39. I am aware that there are significant penalties for submitting false information, including the possibility of fines, imprisonment, or both, for knowing violations.

AUTHORIZED REPRESENTATIVE SIGNATURE _____ DATE _____
AUTHORIZED REPRESENTATIVE (PRINTED NAME) _____ TITLE _____

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