

Industrial Solid Waste Fact Sheet

Ink Sludges and Solvents- Category 14

Definition

Businesses may produce many different types of ink waste in their manufacturing processes or as a result of the services they provide. Ink -related wastes must be thoroughly evaluated since they may contain metals or volatile organic compounds (VOCs) at or above regulatory limits. Solvent-containing wastes in the liquid form are not accepted at the Olmsted County Kalmar Landfill or the Olmsted Waste-to-Energy Facility (OWEF). Solvent-containing wastes can only be accepted when absorbed into a combustible material. Ink waste in sludge form must be in a solid or semi-solid form.

Special Disposal Conditions

In general, combustible ink wastes will be directed to the OWEF, while non-combustible ink waste will be disposed at the Kalmar Landfill.

Generator Requirements

If necessary, special generator requirements will be determined on a case-by-case basis. An “Absence of Free Liquids” form may be required (see below).

Procedures

Typical Delivery types

- ink sludges
- ink-contaminated cloth and paper
- ink-related solvent
- ink-contaminated scrapings and sweepings

Background

Businesses may produce many different types of ink waste in their manufacturing processes or as a result of the services they provide. Ink-related wastes must be thoroughly evaluated since they may contain metals or volatile organic compounds (VOCs) at or above regulatory limits. Solvent-containing wastes in the liquid form are not accepted at the Olmsted County Kalmar Landfill or the Olmsted Waste-to-Energy Facility (OWEF). Solvent-containing wastes can only be accepted when absorbed into a combustible material. Ink waste in sludge form must be in a solid or semi-solid form.

Disposal

Disposal is contingent on the waste's combustion characteristics and what, if any, contaminants are present. In general, combustible ink wastes will be directed to the OWEF, while non-combustible ink waste will be disposed at the Kalmar Landfill.

Testing Requirements

Unless complete documentation exists to adequately characterize the waste material (through knowledge of the waste and its characteristics), waste generators must evaluate the waste using a Toxicity Characteristics Leaching Procedure (TCLP) analysis for those parameters (i.e., metals and volatile and semi-volatile organic constituents) that can reasonably be expected to be present. Waste generators may also be required to determine the waste material's flash point and pH to determine the characteristics of ignitability and corrosivity. Generators of ink or solvent-related wastes that have a potential of containing free liquids (as defined by Minnesota Administrative Rules) must complete the Absence of Free Liquids Certification Form (see Page 3) and/or analyze a representative sample of the waste using analytical method SW-846 9095B, known as the "paint filter test." This testing is 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. Any available Material Safety Data Sheets (MSDSs) must also be provided. Please note that MSDSs are only required to list ingredients that make up more than one percent of the product. Regulated chemicals in lesser amounts could still render the waste hazardous.

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. If required, the generator must complete and sign an Absence of Free Liquids certification form prior to the time of delivery.

Special Generator Requirements

If necessary, special generator requirements will be determined on a case-by-case basis.

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 7055.0100, subpart 39, defines a free liquid as "the liquid produced when a 100-milliliter representative sample of solid waste is placed in a standard 400-milliliter conical point filter for five minutes." Minnesota Administrative Rules, part 7055.2535, 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 7055.0100, 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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