

# Industrial Solid Waste Fact Sheet

## Ashes- Category 8

### Definition

Ash waste that is generated as a result of the combustion of municipal solid waste (MSW); hospital, medical, and infectious waste; coal; and other conventional fuels for the purposes of generating thermal and electrical power is accepted at the Kalmar Landfill.

### Disposal

Approved waste materials will be directed to the Olmsted County Kalmar Landfill ash monofill disposal area.

### Generator Requirements

To minimize airborne releases, the ash waste must be adequately wetted with non-contaminated water prior to arriving at the Kalmar Landfill. All ash waste loads must be delivered in covered containers. Testing is required (see below).

### Procedures

#### Typical Delivery types

- roll-off containers
- other bulk containers
- dump trucks

#### Background

Ash waste that is generated as a result of the combustion of municipal solid waste (MSW); hospital, medical, and infectious waste; coal; and other conventional fuels for the purposes of generating thermal and electrical power is accepted under this category. Two types of ash waste are typically generated. Bottom ash waste is a coarse, dense material that forms in the furnace of boilers. Fly ash waste is a finer, less dense material removed from the flue gas in the heat transfer and air pollution control equipment.

#### Disposal Facility

Approved waste materials will be directed to the Olmsted County Kalmar Landfill ash monofill disposal area. The Kalmar Landfill Solid Waste Management Facility Permit (No. SW-355) allows for disposal of ash from incinerators, resource recovery facilities, and power plants to be deposited in the ash monofill disposal area.

**Testing Requirements**

Testing will mirror the requirements outlined in Minnesota Administrative Rules, part 7035.2910, as pre-scribed by the internal Olmsted County ash cell disposal requirements. 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. Ash waste generated from boilers and incinerators using only untreated, uncontaminated wood as a fuel will not require any analytical testing.

**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.

**Special Generator Requirements**

To minimize airborne releases, the ash waste must be adequately wetted (i.e., wetted with enough water to minimize fugitive emissions but without generating free liquids) with non-contaminated water prior to arriving at Kalmar Landfill. All ash waste loads must be delivered in covered containers.