

Transfer Station Complex Operations

2008 Operating Data:

- Ⓞ 285,845 tons received
- Ⓞ 79,659 inbound loads received
 - Ⓞ 13.2 minutes average on-site time for refuse deliveries
- Ⓞ 13,938 outbound waste loads transferred
- Ⓞ 3.59 tons per average inbound waste load
- Ⓞ 19.8 tons per average outbound waste load
- Ⓞ 83% reduction in traffic to disposal facilities achieved
- Ⓞ 12,928 traffic trip reduction benefit to the Frey Farm Landfill
- Ⓞ 63,888 traffic trip reduction benefit to the Resource Recovery Facility



Transfer Building in Manheim Township, Lancaster County, PA

The Transfer Station Complex has a very important role in Lancaster County's integrated solid waste management system. Built in 2007 on the site of the former Jack D. Lausch, Sr. transfer station, located just beyond the Lancaster City limits, the Transfer Station Complex serves as a central drop-off location for waste haulers who collect refuse, certain recyclable materials, and construction/demolition materials within the 946 square miles in Lancaster County.

The Transfer Station Complex has a DEP permit to process up to 2,200 tons of waste per day.

Waste Processing

Inbound Delivery

Every day, more than 280 commercial haulers and residents arrive at the Transfer Station Complex. Upon arrival, the following occurs:

- Ⓞ Vehicles proceed to the inbound hydraulic scales where they are weighed, passing through radiation monitoring equipment.
- Ⓞ Large vehicles then proceed to the 40,000 square foot Transfer Building where drivers are directed to one of 10 unloading positions to deposit the waste on the concrete floor. Single stream and commingled recyclable materials have designated unloading positions, as do construction/demolition waste and refuse.
- Ⓞ Small vehicles are diverted to a 14,500 square foot building constructed specifically for the 23% of daily deliveries made in cars and pickup trucks. Inside the building, drivers are directed to specific unloading stations depending upon the type of material being delivered.
- Ⓞ Authority compliance officers inspect the loads to ensure that no materials such as tires and appliances, which must be delivered and processed separately, are mixed in with the trash.
- Ⓞ After unloading, customers return to the scales to weigh out, pay for the transaction and receive a receipt.

Consolidation

Authority staff operate equipment to push the waste from the Transfer Building floor through 3 cut out pits in the floor into top-loading transfer trailers parked in the loading tunnel.

- Ⓞ The loading tunnel has 3 floor flush-mounted scales underneath the loading pits. A transfer trailer is able to be loaded on each scale.
- Ⓞ A digital scale read-out is located on the tipping floor level above the loading pit to enable the equipment operator to know when a trailer has reached its legal capacity (80,000 lbs.).

Outbound Delivery

Authority drivers deliver full transfer trailers to either of the Authority's disposal facilities (Resource Recovery Facility or Frey Farm Landfill) or to a private recycling facility depending upon the type of material in the trailer. (a trailer typically can haul 20 tons of waste.) In 2008:

- Ⓞ 229,240 tons of combustible waste were delivered to the Resource Recovery Facility.
- Ⓞ 46,233 tons of other waste were delivered to the Frey Farm Landfill.
- Ⓞ 10,863 tons of recyclable materials were delivered to various recycling facilities.

Equipment and Maintenance

Transfer Station Complex equipment includes transfer tractor trailers, wheel loaders, excavators, a backhoe, skid loader and a sweeper. A Maintenance facility on the site provides:

- Ⓞ Truck bays for repair work and vehicle inspections
- Ⓞ A wash bay for cleaning vehicles and equipment

A fuel island is located at the Transfer Station Complex for refueling Authority equipment. All diesel fuel used by the Authority is a 5% biofuel blend.