Outer Loop Recycling & Disposal Facility

Outer Loop Recycling and Disposal Facility (RDF) is a regional facility that provides safe and convenient disposal services for communities, businesses and industries serving Louisville Metro and surrounding areas.

Waste Management’s approximately 300 disposal facilities employ the latest advances in landfill technology. This facility is engineered with environmental protection systems that meet or exceed rigorous government regulations and are subject to highly regulated monitoring and reporting requirements. Systems include engineered liners and covers, leachate collection and removal, and landfill gas collection and control.

Containment Design

Landfill cells are constructed using a composite liner system, which provides a positive barrier for groundwater protection. The liner system consists of a 60-mil High Density Polyethylene (HDPE) liner in direct contact with a two-foot thick clay layer as an additional protective barrier for groundwater.

Leachate Collection & Treatment

At Outer Loop RDF, leachate is collected onsite and pretreated using a sequential batch reactor. It is then discharged to a local Publicly Owned Treatment Works (POTW).

Groundwater Monitoring

Groundwater is monitored via 5 groundwater wells and 2 under drains, which are sampled annually for various water quality parameters. Water levels are taken quarterly at 54 required groundwater monitoring locations to evaluate the hydrology at the site and confirm that the inward hydraulic gradient is being maintained.

Landfill Gas Management

Outer Loop RDF collects and manages landfill gas through a flare system to reduce emissions and prevent odor. The system collects landfill gas through 233 wells, which is managed by flares per federal requirements.

Site Security

Site security is ensured by controlled, limited access to the facility as well as perimeter fencing, natural barriers and electronic surveillance. The facility can only be accessed via a single gate, which directs all traffic to a gatehouse occupied during business hours by trained personnel. During non-business hours the gate is locked and monitored by electronic surveillance.
Acceptable Material
Asbestos – Friable/Non-Friable
Auto Shredder Residue
Biosolids
CERCLA Waste
Construction & Demolition (C&D) Debris
Drum Management – Solids/Liquids
Food/Yard Waste
Hydrocarbon Soils
Industrial & Special Waste
Industrial Liquids
Municipal Solid Waste (MSW)
Non-Regulated PCBs < 50ppm
Shredded Tires
Sludge

Unacceptable Material
Batteries
CFC (Freon) Containing Items
Electronics
Fluorescent Tubes
Hazardous Waste
Lead Based Paint
Oil
Untreated Medical Waste

Additional Services Provided
Bioremediation
Solidification
Rail Spur Availability
Transportation Services
Next Generation/Bioreactor
Yard Waste Composting

Risk Mitigation
Waste Management provides the highest level of services, backed with state-of-the-art site design and management systems, to minimize risks and reduce liabilities.

Community Partnerships and Involvement
Outer Loop RDF is proud to be an active supporter of community events and programs that make Jefferson County a strong and healthy place to live, work and play.