



Woodland Meadows Recycling and Disposal Facility

Woodland Meadows Recycling and Disposal Facility (RDF) is a regional facility that provides safe and convenient disposal services for communities, businesses and industries serving the Detroit 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

Woodland Meadows RDF utilizes a containment system comprised of a 10 foot natural clay barrier with a 2-foot thick re-compacted clay liner or geo-synthetic clay liner (GCL), a 60-mil high density polyethylene (HDPE) liner, a 16 ounce protective geotextile cushion and a leachate collection system. Leachate is a combination of precipitation mixed with the liquid generated by waste as it decomposes.

Leachate Collection & Treatment

Leachate is managed onsite and is discharged to a local Waste Water Treatment Plant (WWTP).

Groundwater Monitoring

Groundwater is monitored at 18 wells, which are upgradient and downgradient of the waste disposal footprint. The groundwater monitoring network is sampled and analyzed semi-annually in accordance with the procedures of the facility's groundwater sampling and analysis plan.

Landfill Gas Management

Woodland Meadows RDF collects and manages landfill gas through an extensive flare system, which reduces emissions and minimizes odor. In addition, methane is recovered from the landfill gas and used as fuel at a local auto assembly plant.

Security

Site security is ensured by controlled, limited access to the facility through the gatehouse and perimeter fencing. During non-business hours the gate is locked and monitored by 24-hour electronic surveillance.

WOODLAND MEADOWS RDF

5900 Hannan Road
Wayne, MI 48184
800 963 4776

HOURS OF OPERATION

6:00am – 4:30pm
Monday – Friday
7:00am – 11:00am
Saturday
Closed Sunday
Hours of operation subject to change seasonally.

YEAR OPENED

1994

PROJECTED LIFE REMAINING

12+ years

FACILITY ACREAGE

269 acres

PERMITTED FOOTPRINT

206 acres

REMAINING PERMITTED CAPACITY

19 million cubic yards

APPROXIMATE TONS PROCESSED ANNUALLY

1.8 million tons

OWNERSHIP

Waste Management of Michigan, Inc.

PERMIT TYPE & PERMIT

Solid Waste Disposal Area Operating License #9354

Renewable Operating Permit #MI-ROP-M4449-2012

REGULATORY AGENCIES

Michigan Department of Environmental Quality, Wayne County Department of Public Services

EMPLOYEES

18

Acceptable Material

- Asbestos – Friable/Non Friable
- Auto Shredder Residue
- Construction & Demolition (C&D) Debris
- Drum Management – Solids
- Industrial & Special Wastes
- Municipal Solid Waste (MSW)
- NORM Waste

Unacceptable Material

- Empty Drums
- Hazardous Waste
- Lead Acid Batteries
- Liquid Waste
- Low Level Radioactive Waste
- MSW Incinerator Ash
- PCBs
- Tires – Whole
- Used Beverage Containers
- Yard Waste

Additional Services Provided

Woodland Meadows RDF maintains a drop-off facility for use by local residents.

Risk Mitigation

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

Community Partnerships and Involvement

Woodland Meadows RDF is proud to be an active supporter of community events and programs that make Wayne County and its surrounding cities a strong and healthy place to live, work and play.



CONTACT

Technical Support

TSC Midwest
800 963 4776
TSCMidwest@wm.com

COMMUNITY RELATIONS

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COMMUNITIES SERVED

Wayne County and surrounding cities