



Monarch Hill Landfill

Monarch Hill Landfill is a regional facility that provides safe and convenient disposal services for communities, businesses and industries serving Broward County and surrounding counties and cities.

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

Monarch Hill has a double composite liner system that includes a geosynthetic clay liner (GCCL) and a 60-mil textured high-density polyethylene (HDPE) membrane to ensure that waste and wastewater (leachate) are contained and isolated from soil and groundwater.

Leachate Collection & Treatment

The collection and treatment system pumps leachate for discharge to the local Publicly Owned Treatment Works (POTW).

Groundwater Monitoring

Groundwater is monitored at 40 wells, both 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

Monarch Hill collects and manages landfill gas through an enclosed flare system and also generates renewable energy, reduces emissions, and prevents odor. The system collects landfill gas through 320 wells generating approximately 8 megawatts of electricity powering approximately 10,000 homes.

Waste-to-Energy

Located at Monarch Hill Renewable Energy Park, the Wheelabrator North Broward waste-to-energy facility provides dependable, environmentally safe disposal of municipal waste while generating electricity through a technologically advanced process that is clean and environmentally friendly. The process begins by super heating wastes to temperatures in excess of 2,500 degrees Fahrenheit converting solid waste into renewable electrical power — enough to power approximately 40,000 homes daily.

MONARCH HILL LANDFILL

2700 Wiles Road
Pompano Beach, FL 33073
800 963 4776

HOURS OF OPERATION

Monday – Friday: 5:00am – 5:00pm
Saturday: 5:00am – 2:00pm
Sunday: Closed

YEAR OPENED

1965

PROJECTED LIFE REMAINING

23 years

FACILITY ACREAGE

500 acres

PERMITTED FOOTPRINT

382 acres

REMAINING PERMITTED CAPACITY

19,173,484 tons

TONS PROCESSED ANNUALLY

1,200,000 tons

OWNERSHIP

Waste Management Disposal Services of Florida

PERMIT TYPE & PERMIT

Solid Waste
DEP 512323-020-SC
EPD SW-LF00076-05-02

Air Title
V 0112094-005-AV

Environmental Resource Permit (ERP)
WM1991-024-5_17

REGULATORY AGENCIES

Florida Department of Environmental Protection and Broward County Environmental Protection Division

EMPLOYEES

25



Security

Site security is ensured by controlled, limited access to the facility as well as perimeter fencing and natural barriers. During non-business hours the gate is locked and monitored by electronic surveillance.

Acceptable Material

Asbestos - Friable/Non Friable

Auto Shredder Residue

Biosolids

Construction & Demolition (C&D) Debris

Sludge

Drum Management - Solids

Industrial & Special Wastes

Municipal Solid Waste (MSW)

Non-Hazardous Contaminated Soil

Yard Waste

Unacceptable Material

Household Hazardous Waste (HHW)

Liquids including paints and petroleum products

Tires

White Goods

Additional Services Provided

Wheelabrator Waste-to-Energy

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

Monarch Hill is proud to be an active supporter of community events and programs that make Broward County a strong and healthy place to live, work and play.

This facility also supports the following events, charities, schools and service groups:

Big Brothers Big Sisters

Earth Day Open House

Food for the Poor home sponsorship

Horses for the Handicapped

Tomorrow's Rainbow



CONTACT

Technical Support

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COMMUNITY RELATIONS

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COMMUNITIES SERVED

Broward County and surrounding counties and cities