



Covell Gardens Landfill

Covell Gardens Landfill is a regional facility that provides safe and convenient disposal services for communities, businesses and industries serving San Antonio 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 is 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

Covell Gardens Landfill fully complies with U.S. Environmental Protection Agency regulations for municipal and solid waste landfills. The facility employs a multi-layer composite liner system that includes an engineered clay barrier and a 60-mil high-density polyethylene (HDPE) membrane to contain the waste deposited in it, and to manage both leachate and the landfill gas naturally produced by decomposition inside the waste mass. In addition, it employs robust measures to protect the quality of both surface and groundwater, air quality and overall environmental quality.

Leachate Collection & Treatment

The leachate collection system consists of a permeable layer of engineered materials and piping just above the bottom portion of the liner designed to collect and drain fluids from the landfill; above this is a two-foot layer of soil that protects the liner and system. The collected leachate is pumped to an evaporation pond, where it is circulated and aerated to reduce odors and enhance evaporation. Excess leachate is transported to a wastewater treatment plant for disposal, as needed.

Groundwater Monitoring

Waste Management safeguards groundwater in the area by regularly sampling and analyzing water from 13 monitoring wells on the active portion of the landfill. The company's testing exceeds TCEQ's testing requirements, and in 10 years of data, collection there has been no evidence of groundwater contamination. To protect surface water, the site manages storm water runoff using silt fences, rock dams, erosion control mats and other best management practices.

Landfill Gas Management

Covell Gardens collects and manages landfill gas through a flare system and also generates renewable energy, reduces emissions, and prevents odor. The system collects landfill gas through 106 wells and a portion of the gas is sent to the City of San Antonio for its use. The remaining gas is managed by flares per federal requirements.

COVELL GARDENS LANDFILL

8611 Covell Road
San Antonio, TX 78252
210 623 8800

HOURS OF OPERATION

Monday – Friday: 7:00am – 5:30pm
Saturday: 8:00am – 1:00pm
Class 1 open 24 hrs/day, 7 days/week

YEAR OPENED

1993

PROJECTED LIFE REMAINING

102 years

FACILITY ACREAGE

783 acres

PERMITTED FOOTPRINT

476 acres

REMAINING PERMITTED CAPACITY

110,552,374 cubic yards

TONS PROCESSED ANNUALLY

1,280,000 – 1,300,000 tons

OWNERSHIP

Waste Management of Texas, Inc.

PERMIT TYPE & PERMIT

MSW permit 2093B
Stormwater TXR05AK39
Air Permits 46178, 83302,
48015, 1479

REGULATORY AGENCIES

Texas Commission on Environmental
Quality (TCEQ)
Railroad Commission of Texas (RRC)

EMPLOYEES

40



THINK GREEN.®

Security

Site security is ensured by controlled, limited access to the facility as well as perimeter fencing and natural barriers. 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

Bulk Liquids for Solidification

Construction & Demolition (C&D) Debris

CERCLA Wastes

Drum Management – Liquids

Oil Exploration & Production (E&P) Waste

Industrial & Special Wastes

Municipal Solid Waste (MSW)

Sludge

Yard Waste

Unacceptable Material

Appliances

Batteries

CFC (Freon) Containing Items

Electronics

Fluorescent Bulbs

Paint

Tires

Oil

Additional Services Provided

LEED Project Management

Oilfield Reclamation

Recycling

Risk Mitigation

Waste Management's in-house professionals employ best management practices at Covell Gardens, which includes using state-of-the-art site design and management systems, to minimize potential risks.

Community Partnerships and Involvement

Covell Gardens is proud to be an active supporter of community events and programs that make San Antonio a strong and healthy place to live, work and play.

The facility uses litter fences around the active area of the landfill to catch windblown litter, and the team regularly picks up litter along parts of Covell Road. To further reduce litter, the facility has instituted a \$25 surcharge for any vehicle that enters the landfill with a load that is not covered by a tarp. To prevent excess mud from being deposited on surrounding roads, the facility operates a drive-through wheel wash, during wet weather, to help remove mud from truck tires before they exit the landfill. Additionally, the site operates two streets sweepers to help minimize the amount of debris tracked off-site.

Waste Management has a long history of supporting the local community in a variety of ways:

- The company provides about \$100,000 annually in in-kind services (Waste collection, disposal, etc.) for community clean-ups and events.
- Waste Management built and continues to maintain the Covell Gardens Sports Park for use by the local community. The 25-acre park consists of two baseball diamonds, complete with regulation backstops and dugouts, a combination football and soccer field with goal posts.



CONTACT

Technical Support

TSC Houston
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COMMUNITY RELATIONS

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COMMUNITIES SERVED

Boerne
Castroville
Converse
Hill Country Village
Hollywood Park
Leon Valley
Live Oak
Jourdanton
San Antonio
Universal City