

Making Texas More Sustainable For Tomorrow®



Covel Gardens Landfill

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

WM's approximate 250 landfills are highly engineered to utilize modern 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

Covel 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. Leachate is moved via hard pipe connection to a wastewater treatment plant for disposal, as needed.

Groundwater Monitoring

WM safeguards groundwater in the area by regularly sampling and analyzing water from 13 monitoring wells on the active portion of the landfill. To protect surface water, the site manages storm water runoff using silt fences, rock dams, erosion control mats and other best management practices.

Covel Gardens Landfill

8611 Covell Road
San Antonio, TX 78252
210-623-8800

Hours of Operation

Monday through Friday 8am – 5pm
Saturday 8am – 1pm
Call for commercial hours

Year Opened

1993

Projected Life Remaining

60 years

Facility Acreage

783 acres

Permitted Footprint

476 acres

Ownership

Waste Management of Texas, Inc.

Permit Type & Permit#

MSW permit 20938

Regulatory Agencies

Texas Commission on
Environmental Quality (TCEQ)

Employees

30

Contact

Technical Support

Southern TSC
800-963-4776
TSCSouthern@WM.com

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Landfill Gas Management

Covel 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 168 landfill gas extraction 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.

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.

Risk Mitigation

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

Community Partnerships and Involvement

Covel 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 Covel 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 trucks exit the landfill. Additionally, the site operates two street sweepers to help minimize the amount of debris tracked off-site.

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

- ✓ WM provides about \$100,000 annually of in-kind services (waste collection, disposal, etc.) for community clean-ups and events.
- ✓ WM built and continues to maintain the Covel 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 *(Continued)*

Community Relations

Sherrel Cordas

830-463-1997

scordas@wm.com

Communities Served

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

Acceptable Material

- ✓ Special Waste including:
 - Asbestos – Friable/Non-Friable
 - Sludge Waste
 - CERCLA Waste
 - Drum Management – Liquids
 - Oil Exploration & Production (E&P) Waste
 - Industrial Waste
- ✓ Municipal Solid Waste (MSW)
- ✓ Construction & Demolition (C&D) Debris
- ✓ Yard Waste

Unacceptable Material

- ✓ Appliances
- ✓ Batteries
- ✓ CFC (Freon) Containing Items
- ✓ Electronics
- ✓ Fluorescent Bulbs
- ✓ Paint
- ✓ Tires
- ✓ Oil
- ✓ Lawn Mowers

Additional Services

- ✓ Oilfield Reclamation
- ✓ Recycling