



Hawthorn Park Landfill

The Hawthorn Park Landfill is a regional facility that provides safe and convenient disposal services for communities, businesses, and contractors serving Harris County and surrounding communities. 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, as well as groundwater, surface water, and subsurface gas migration monitoring.

Containment Design

Hawthorn Recycling & Disposal Facility is fully regulated by the U.S. Environmental Protection Agency (EPA) and Texas Commission of Environmental Quality (TCEQ) regulations for Type IV landfills. The landfill liner system consists of a 36-inch layer of extremely low-permeability compacted clay and a 12-inch protective cover layer to ensure the long-term containment of the waste.

Leachate Collection & Treatment

Leachate is collected through a network of perforated collection pipes and leachate collection sumps equipped with extraction and clean-out pipes used in conjunction with the composite liner system. Leachate is conveyed from the collection sumps via pumps and hoses directly into storage tanks.

Groundwater Monitoring

WM safeguards groundwater in the area by regularly sampling and analyzing water from groundwater monitoring wells surrounding the landfill to detect any potential releases. To control surface water flows, we employ stringent procedures to control water flow, and have installed perimeter drainage channels and detention ponds to control surface water runoff.

Landfill Gas Management

A series of gas probes have been installed around the perimeter of the facility to monitor any potential migration of landfill gas.

HAWTHORN PARK

10550 Tanner Road
Houston, TX 77041

YEAR WM ASSUMED OWNERSHIP

1996

FACILITY ACREAGE

171.6 acres

PERMITTED FOOTPRINT

129.8 acres

OWNERSHIP

WM of Texas, Inc.

PERMIT TYPE AND PERMIT NO.

MSW 2185

REGULATORY AGENCIES

Texas Commission on Environmental
Quality (TCEQ)

EMPLOYEES

4

Security

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

Construction & Demolition (C&D) Debris

Yard Waste

Rubbish - i.e. wood, furniture

Unacceptable Material

Hazardous & Radio Active Waste

Medical Waste

Putrescible wastes, conditionally exempt small-quantity generator waste, or household wastes.

Risk Mitigation

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

Community Partnerships and Involvement

WM has been a partner of the Carverdale Super Neighborhood since 1996, when USA Waste of Texas, Inc. acquired the landfill from Sanifill, Inc. Community engagement includes ongoing financial and volunteer support for various community programs. These events include the annual Carverdale Spring Clean-Up, support of children's programs at the RL & Cora Johnson Park, and donation of school supplies, computers, and books for back-to-school events.

CONTACT

Technical Support

TSC Texas

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COMMUNITY RELATIONS

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COMMUNITIES SERVED

Cypress, Houston, Jersey Village,
Katy and Spring Branch

FREQUENTLY ASKED QUESTIONS

Does this landfill accept all types of garbage?

No, Hawthorn Park Landfill is a Type IV Landfill. A Type IV Landfill may only accept brush, construction, demolition waste, and/or rubbish. A Type IV Landfill may NOT accept regular household trash that contains food waste, wet waste, or liquids. Examples of acceptable waste include wood, fencing materials, pallets, concrete, bricks, rock, tile, roofing materials, dirt, scrap metal, etc.

Who owns this landfill?

USA Waste of Texas Landfills, Inc. (a subsidiary of Waste Management of Texas, Inc.) is the owner of Hawthorn Park Landfill. The landfill was purchased in 1996.

Is there a better use of land in the Carverdale Area?

A land use study is required by the Texas Commission of Environmental Quality (TCEQ) as part of the permit expansion process. A land use analysis was conducted prior to the submission of the expansion request and has been included in the permit application. The land use study found that the combined industrial and commercial use within one mile of the Hawthorn Park facility boundary is over 61%, while only 11.8% of the area is single family residential. The study found 11.9% of the area

is roads, major highways including Beltway 8 and US 290, railroads, detention ponds, and canals. Comments made by The City of Houston on the Carverdale Super Neighborhood page states that due to its proximity to the Northwest Freeway (US 290) and Beltway 8 West, this area has become one of the major hubs for commercial and industrial complexes in the northwest part of the city.

Is Tanner Road going to flood when it rains due to this proposed expansion?

No, almost all the stormwater from the existing facility is currently directed to the detention pond to the east, NOT to Tanner Road. From the detention pond, the water drains via culverts under Gessner Road and directly into a tributary of White Oak Bayou. Only a few acres currently drain to the Tanner Road ditches, which are public ditches that the City of Houston and Harris County are responsible for maintaining. With the proposed new design, ALL the on-site stormwater will be directed to the detention pond. The capacity of the pond has been designed in accordance with Harris County Flood Control guidelines and review, including the increased design rain event that has been adopted since the Hurricane Harvey storm.

Is the proposed expansion going to make traffic worse?

A detailed Transportation Traffic Study is required by the TCEQ as part of the permit expansion process. Access to the site will remain as it exists today, via an existing full-access driveway on the north side of Tanner Road. The study shows an estimated 17,166 vehicles travel Tanner Road daily. Landfill vehicles represent 1.21% or less of the total vehicles on Tanner Road and 0.7% or less on all other analysis roadways. The traffic generated by the landfill operations is a very small percentage of the traffic on the roadways within one mile of the site and does not contribute to the unacceptable availability or adequacy of the area roadway network.

Why have you proposed to change the name of the site to the Hawthorn Park Recycling and Disposal Facility?

We are taking this opportunity to update the name of the facility to reflect the operation. We recycle wood, concrete, and metal when possible.

