DAVIE LANDFILL

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Vista View Park (Davie Landfill)
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- Boy Scouts of America campsite.
- Residential properties (Imagination Farms and Riverstone).
- Undeveloped land and a telemetry tower owned by the South Florida Water Management District.
Davie Landfill Chronology of Events

1964  Incinerator and trash landfill (south mound) operations commence

November 1971 - Unlined sludge lagoon created and operations begin

June 1975 - Shutdown of incinerator

December 1987- Landfills at subject site officially close

February 1995 - Solid Waste Post-Closure Permit issued by FDEP

July 2003 - Vista View Park was opened to the public
Davie Landfill General Information

- Orange Drive and N.W. 142nd Avenue Davie, Broward, Fl
- The site is a 209-acre parcel of land
- a 48-acre Class I landfill (north mound)
- a 68-acre Class III landfill (south mound)
- a nature pond (former sludge lagoon)
- Three borrow pit lakes in the eastern and southern sections of site.
Cap Feature

A two-foot thick, compacted, limerock cover

Six-inch layers with six inches of vegetative cover soil

A total of 31,969 tons of limerock were used as landfill cover material,

Two lifts of material, 1-foot thick, were spread and compacted to an in-place density of at least 98%.

The final cover was sloped at a 2%

Slopes generally 1 to 3%
Leachate

Leachate from the sanitary Landfill

Main sump

City of Sunrise wastewater treatment plant.

Leachate line is monitored at least twice per week for any unexplained pressure drops
Gas collection and monitoring

- 33 gas extraction wells
- 6 trench well headers
- Collects gases, eliminates them through an enclosed flare
- Inspected and maintained on a monthly basis
Surface water

Site is located between North New River Canal and The South New River Canal (C-II),

The east of the landfill drains into the C-II Canal

All surface water runoff is channeled to borrow lakes

The southern area drains to lake number 3.
Surface water cont,
Ground water

The well clusters are comprised of three monitoring wells at different depths.

7 groundwater monitoring well clusters (numbered 3, 7, 8, 9, 11, 21 and 22) are sampled semiannually.

Cluster #22 serves as the background well cluster, and clusters #11 and #21 are down gradient well clusters.

Cluster #11, which is comprised of four monitoring wells at different depths.
Groundwater cont,
End Use

The surrounding area is primarily residential, with some commercial uses.

Boy Scouts of America campsite.

Residential properties (Imagination Farms and Riverstone)

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