

# NPL Site Narrative for Wingate Road Municipal Incinerator Dump

## WINGATE ROAD MUNICIPAL INCINERATOR DUMP Fort Lauderdale, Florida

**Conditions at proposal (June 24, 1988):** The Wingate Road Municipal Incinerator Dump covers 61 acres in Fort Lauderdale, Broward County, Florida. The site includes an incinerator, offices, and an approximately 40-acre disposal area, all owned and operated by the City of Fort Lauderdale. Land use in the area is a combination of residential, commercial, and industrial.

The incinerator and disposal areas were used during 1955-78. Residential waste, commercial waste, and incinerator residue were disposed of at the dump. According to a resident of the area, hazardous waste may also have been dumped. In December 1981, the resident reported to the Broward County Health Department that 100 steel drums had been buried during 1955-58 north of the incinerator down a dirt road.

The facility received 480 tons of waste a day and operated 7 days a week. It pumped cooling water into the incinerator from on-site wells and then discharged it into an unlined lagoon, possibly Lake Stupid in the southeast corner of the facility. Ash residues mixed with sludge material from the lagoon were spread onto the ground in the disposal area. The area is approximately 30 feet above ground, and the terrain is hilly and partially overgrown with brush and small trees. Rock Pit Lake is downslope of the northeast section of the disposal area.

Tests conducted in 1985 by EPA detected pesticides (DDT, aldrin, chlordane, and dieldrin) in surface composite soil and subsurface soil from the dump area. Elevated pesticide concentrations were also reported in sediments from Rock Pit Lake, which is used for recreational activities. The lake intersects the Biscayne Aquifer, which EPA has designated as a sole source aquifer under the Safe Drinking Water Act. Thus, there is a threat of contaminants entering the aquifer. An estimated 353,000 people draw drinking water from four municipal well fields within 3 miles of the site: the Lauderhill Municipal Water Supply Well Field, the Broward County District 1A Well Field, the Prospect Well Field, and the Dixie Well Field. There is no unthreatened alternative source for the Lauderhill field.

The site is only partially fenced, making it possible for people and animals to come into direct contact with hazardous substances. Approximately 44,000 people live within 1 mile of the site.

**Status (October 4, 1989):** EPA is conducting a search to identify parties potentially responsible for wastes associated with the site.

The State is reviewing Fort Lauderdale's plan for closing the dump under the Resource Conservation and Recovery Act.

Fort Lauderdale has fenced the site.

For more information about the hazardous substances identified in this narrative summary, including general information regarding the effects of exposure to these substances on human health, please see

the Agency for Toxic Substances and Disease Registry (ATSDR) ToxFAQs. ATSDR ToxFAQs can be found on the Internet at [ATSDR - ToxFAQs](http://www.atsdr.cdc.gov/toxfaqs/index.asp) (<http://www.atsdr.cdc.gov/toxfaqs/index.asp>) or by telephone at 1-888-42-ATSDR or 1-888-422-8737.