

Tropical Acres South
12508 Lenwood Lane
Riverview, Florida
County: Hillsborough
District: Southwest
Site Lead: Bureau of Waste Cleanup
Approved for Cleanup: May 6, 1991
Delisted: July 28, 1995
HWC # 088

Site Description and History

The Tropical Acres site is located south of Tampa in a subdivision known as Tropical Acres South at 12508 Lenwood Lane in Section 03, Township 31S, Range 20E at 27° 48' 47.2231" N, 82° 17' 19.1141" W. In March 1989, an illegal dump was reported to the Florida Department of Environmental Regulation (FDER, now DEP) by the Hillsborough County Environmental Protection Commission. Investigation by the FDER revealed a dump in back of a mobile home site covered by commercial solid waste and hazardous waste. In 1989, two hundred and eleven, five gallon metal drums were removed from the property by O.H. Materials, Inc. The drums contained hazardous waste based upon the flammability and toxic characteristics (ignitability, spent solvents, chromium, lead, barium, cadmium, mercury). Visual contamination of the ground surface by petroleum products was reported. Due to the location of the dump in a transitional wetland area, groundwater was encountered during the removal activities. Sampling of the area revealed that groundwater and soils are contaminated with lead, oil and grease.

Threat

The Hillsborough County Health Department reported that customers in Riverview were serviced by the Hillsborough County Utilities South Central Water System (Riverview Plant); therefore the drinking water threat in the area was negligible. Drums which have been removed were labeled xylenes, paint thinner, lacquer thinner, and other various chemicals. Instrument readings on site indicated a serious chemical vapor problem existed prior to the removal of the materials, creating an imminent hazard of fire in the neighborhood. A removal action took place in 1992 – 1994. Groundwater monitoring showed no exceedances of standards and the site was delisted in July 1995.

Response Strategy and Status

In February 1991, the site was evaluated by FDER using the Hazard Ranking System and received a score of 19.72. In April 1991, the Office of General Counsel recommended that the site be accepted for state funded cleanup. In December 1991, FDER tasked Jacob's Engineering Group to develop a Contamination Assessment (CA) work plan. The draft CA work plan was submitted to FDER in February 1992, and the final CA work plan was accepted by FDER in April 1992.

In August 1992, FDER tasked Jacob's to modify the work plan for removal of all hazardous and non-hazardous waste encountered during CA fieldwork activities. A revised CA work plan was submitted in November 1992, and accepted in December 1992 by FDER. A de minimus exemption was granted by the SWFWMD so that work could take place in the wetland at the northern boundary of the site. Jacob's Engineering began excavation of wastes as part of an Interim Remedial Measure and by December 1993 had removed over 1750 tons of solid waste. No further hazardous waste has been found. In January 1994 groundwater monitoring wells were installed as part of the CA.

In October 1994, DEP tasked Woodward Clyde Consultants Inc. (WCC) to complete construction with trash removal and backfilling of the excavation area. The groundwater sampling that followed indicated no contaminants of concern in violation of DEP standards.

Another sampling of monitoring wells was completed in June 1995. Results revealed no contamination, except for one detection of lead, which was below DEP cleanup standards. The site was delisted on July 18, 1995.