

3.5.1 EAST MIAMI RIVER ROAD LANDFILL

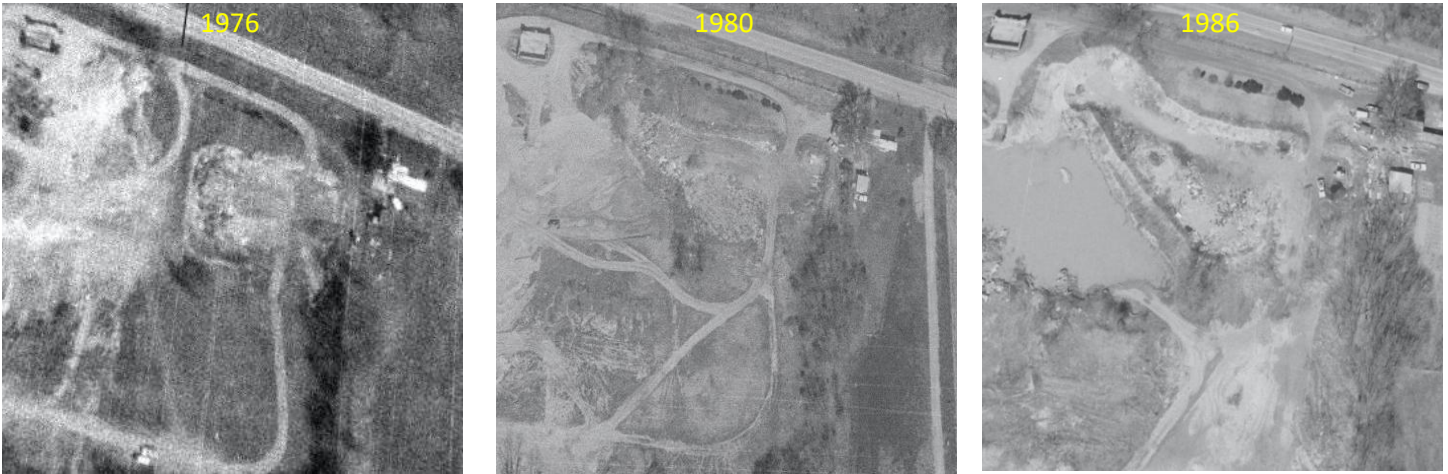
Facility Name: East Miami River Road
A.K.A.: Hamilton County Engineers
Location: Approximately the 9500 block of East Miami River Road
Parcel(s): 51004100014
Lat/Long: 39.261532 -84.678210
Region: Colerain Township
Owner: Hamilton County Board of Commissioners
Operation (yrs): 1950's – 1992



FACILITY OVERVIEW

The Hamilton County Engineers office unofficially operated a landfill at the site since the 1950's. Prior to this the site was used for mining sand and gravel. The site was used to dispose of roadway, C&DD, storm debris, and litter picked up by the engineers' office. However, the site was not monitored or secured and was readily accessible to the public. Figure 3.5.1-A shows several aerials from 1976 through 1986. In the aerials filling is visible in the northeast corner of the property. Review of the aerials shows the extent of waste placement may have extended further northeast than a site characterization report completed in 1994 (figure 3.5.1-B) estimated.

FIGURE 3.5.1-A



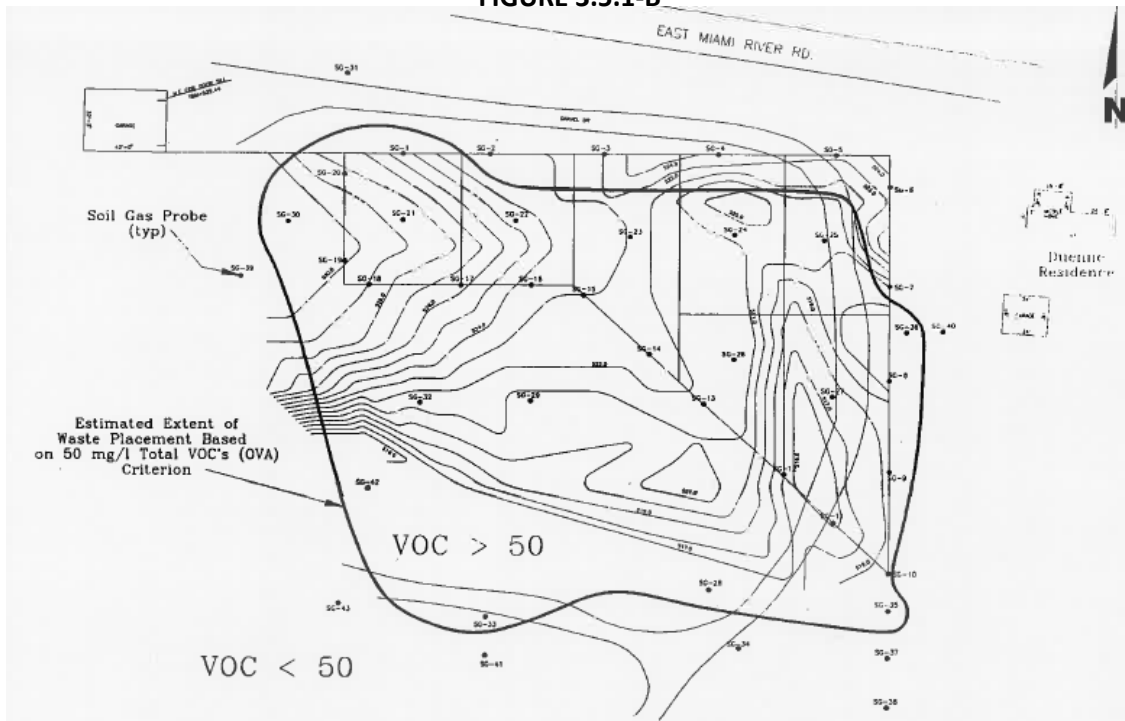
On October 22, 1992 the Health District sent the engineers office a letter requesting the waste disposal cease, the site be properly secured to prevent public access, and all solid waste be removed and properly disposed of. In a follow up letter, the Health District recommended a site characterization be performed to determine environmental impacts and to assess the need for waste removal or other remedial actions.

The site characterization was performed by Foppe Technical Group Inc on behalf of the Hamilton County Engineers office and included:

- 4 soil borings were completed within waste placement and Toxicity Characteristic Leaching Procedure (TCLP) ran on composite samples from each.
- 3 soil borings were completed outside the area of waste placement.
- The 3 soil borings outside waste placement were completed as groundwater monitoring wells and developed.
- 43 Organic Vapor Analyzer (OVA) screenings and 7 gas samples were analyzed.
- 3 test pits were also completed and a TCLP was performed on a composite sample from each.

The site characterization report roughly determined the horizontal limits of waste based on a soil gas survey (Figure 3.5.1-B) and recommended that the material be left in place and monitored.

FIGURE 3.5.1-B



Based on the findings of the report a closure monitoring plan was developed. It included:

- Installing and developing a background well
- Developing a ground water monitoring plan
- Developing an explosive gas monitoring plan
- Installing an impermeable cap over all old waste (if ground water monitoring indicated it was necessary)

-nothing in the file indicates this cap was ever installed

The monitoring wells were sampled 8 times from 1993 to 1997. During sampling there were detections above the MCL of barium, cadmium, selenium, and lead. Arsenic and chromium were also detected. In a July 23, 1997, letter Fopp Technical Group indicated that ground water quality was improving over time and requested to cease groundwater monitoring and install a gas venting system. The wells were properly abandoned in July of 1998. A passive gas trench was also installed along a portion of the eastern property line to mitigate safety concerns.

On both June 27, 1995 and July 25, 1995 the Health District issued letters to the engineers' office concerning deer carcasses. The letters indicated that inspectors had observed carcasses being buried at the site and informed them that deer carcasses were considered solid waste and could not be buried at the site.

SAMPLING RESULTS

No surface water sampling or biological sampling is performed at this landfill due to the lack of bodies of water immediately adjacent to the landfill. No gas monitoring is performed at the site due to lack of occupied structures near the landfill. A passive gas venting system was installed along a portion of the eastern property line in the late 90's. HCPH began monitoring this vent intermittently in late 2020 to determine if methane is still being produced. Methane has been detected at very low levels (8% LEL or below) during various monitoring events.

FACILITY INSPECTIONS

The site was last inspected by HCPH on December 28, 2024. No violations or nuisance conditions were observed on the site.

SITE PRESENT DAY

The site currently houses a firing range for the Hamilton County Sheriffs Office. The Hamilton County Engineers office does have piles of tree debris and clean hard fill on the property. Some filling with clean hard fill also occurs at the site.

