

United States Environmental Protection Agency
Region IV
POLLUTION REPORT

Date: Monday, February 4, 2008

From: Leigh Lattimore

Subject: Jernigan Trucking Dump
W. E. Fertic Drive, Seffner, FL
Latitude: 28.0236000
Longitude: -82.3197000

POLREP No.:	4	Site #:	046H
Reporting Period:		D.O. #:	
Start Date:	3/20/2007	Response Authority:	CERCLA
Mob Date:	3/20/2007	Response Type:	Time-Critical
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:		Contract #	
RCRIS ID #:			

Site Description

The Jernigan Trucking Dump Site (the Site) is located off W. E. Fertic Drive in Seffner, Hillsborough County, Florida. The Site is in a predominantly residential area. Jernigan Trucking Dump (JTD) comprises several parcels of land owned by multiple individuals. The Site (total 178.52 acres) is divided into three portions. The northern portion of the JTD property (referred to as the Jernigan portion) consists of two parcels which together encompass 39.5 acres. The southwestern portion of the JTD property (referred to as the Lewis portion) encompasses 59.05 acres. The southeastern portion of the property (referred to as the Fertic portion) encompasses 79.97 acres. The roadbeds along the wetlands and ponds on the Fertic portion of the JTD property run east to west and consist of battery casings.

From the middle to late 1960s through the early 1980s, the original owners of the various properties used the land for mining sand and peat. The land was stripped until clay was encountered, and then debris and rubble were hauled in for use as fill material in the borrowed areas. Materials deposited included construction and demolition (C&D) debris, slag, clinkers, coal residue, kiln dust, miscellaneous trash, and lead-acid battery casings.

All former and current property owners were ordered to remove the battery casings from their properties. In the early 1990s, some or all of the battery casings were reported to be removed from the Lewis portion; however, documentation of the removal is minimal. In 2000 and 2001, battery casing removals occurred on the Jernigan portion of the property. Lead- and arsenic-contaminated soils were excavated from an unknown area of the property and stockpiled. Most of these stockpiles are still onsite. One pile was treated with a mixture of triple superphosphate and subsequently removed to an approved landfill for disposal. On November 28, 2005, EPA completed sampling on the Site. Selected areas of the property were screened for lead contamination in soil using X-Ray Fluorescence (XRF) screening. Results indicated that lead concentrations exceeded EPA Region 9 Preliminary Remedial Goals (PRGs) and Florida Soil Cleanup Target Levels (SCTLs) in 19 locations. Lead and arsenic, the primary constituents of concern, were present in all media at elevated concentrations compared to background. Elevated arsenic and lead concentrations were most frequently detected in samples collected from the Fertic portion of the Site (where a roadbed made of battery casings is located). The presence of battery casings was observed in the wetland area along the roadbed.

As a result of the sampling, EPA has determined that a removal action is necessary. The removal is a short-term cleanup intended to stabilize or clean up a site that poses an imminent and substantial threat to human health or the environment. The removal is taking place under the authority and direction of the EPA Region 4 Emergency Response and Removal Branch (ERRB).

EPA has entered into two Agreement and Order on Consents (AOCs) with Potentially Responsible Parties (PRPs). The Site is broken into two parts, the Northern Portion and the Southern Portion. The Northern Portion consists of the Jernigan parcel and the Southern Portion consists of the Fertic parcel and the southeast corner of the Lewis Parcel. The agreement has the PRPs completing the cleanup with EPA

oversight.

Current Activities

The PRPs' contractor mobilized personnel and equipment to the Site on January 21, 2008 to begin the excavation of the contaminated areas. Site safety plans were reviewed by all personnel and a safety briefing was held prior to the initiation of activities. The following activities have been accomplished at the Site:

- The identification and surveying of areas that will be excavated;
- Completed the construction of one of the two lined treatment cells. This activity included leveling and compacting the existing surface, constructing perimeter berms, installing 40 mil HDPE liner (100' x 240'), & placing fill over the edges of the liner to anchor in place;
- Set up, calibrated, and operated four TSP & PM-10 air monitors at perimeter locations of the site;
- Constructed haul roads as necessary to access work areas;
- Performed clearing and grubbing as necessary for the installation of the erosion and sedimentation control devices;
- Installed silt fence around the excavation areas on the Fertic and Jernigan parcels;
- Initiated excavation at the Fertic Road (Eastern Boundary) working toward the West (Grids FR2070 and FR2071)
- Excavated approximately 2,000 cubic yards of battery casings and soil;
- Initiated TCLP sampling of the soil located within the treatment cell;
- Performed confirmation sampling in completed excavation areas;
- Performed extent of contamination XRF sampling along the western boundary of the Jernigan parcel;
- Performed XRF sampling at the proposed treatment cell locations.

Next Steps

The contractor will continue to excavate contaminated soil on both the Jernigan and Fertic parcels. The excavated material will be treated, tested, and disposed off. START will be documenting site activities, maintaining a photo log, conducting oversight of PRPs' contractor activities and taking split samples to ensure data quality.

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