

United States Environmental Protection Agency
Region IV
POLLUTION REPORT

Date: Friday, February 29, 2008

From: Leigh Lattimore

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

POLREP No.:	7	Site #:	046H
Reporting Period:	2/17-23/08	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 following activities have been accomplished at the Site for this reporting period:

- Continued to operate four TSP & PM-10 air monitors at perimeter locations of the site;
- Maintained haul roads as necessary to access work areas;
- Loaded and hauled approximately 700 tons of Fertic Road battery casings and soil from the treatment cell to the Waste Management Landfill in Okeechobee, Florida;
- Loaded and hauled approximately 800 tons of Jernigan parcel battery casings and soil from the treatment cell to the Waste Management landfill in Okeechobee, Florida;
- Excavated approximately 3,000 cubic yards of impacted soil and slag from Fertic NW property (FNW2045, FNW2043, FNW2044). Material was stockpiled in the lined treatment cell;
- Stabilized approximately 3,000 cubic yards of battery casings and soil that originated from the Fertic Road. Material is located within the lined treatment cell awaiting sample results and offsite disposal;
- Continued TCLP sampling of the soil located within the treatment cells;
- Performed confirmation sampling in completed excavation areas;
- Performed XRF sampling on the bottom and sidewalls of initially completed areas to guide the excavation.
- During this reporting period, Tetra Tech START collected a total of 25 split soil samples from the contractor. Each Split sample was screened in the field by START using a XRF unit. In addition, 3 of the split samples were shipped to a laboratory for analysis of total lead and arsenic.

Next Steps

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

Key Issues

Two bottom confirmation sample were returned from the laboratory with levels of lead above the cleanup criteria in the Fertic Road Parcels 2063 & 2064. Since the Fertic Road has been completely removed, there are challenges that exist in removing additional material from this area. A plan has been developed to construct a temporary road back into this area to adequately remove the remaining impacted soils from this area. Upon completion, confirmation samples will be taken and the temporary road will be removed.

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