

United States Environmental Protection Agency
Region V
POLLUTION REPORT

Date: Friday, July 7, 2006

From: Brad Stimple

Subject: Mosaic Tile Dump Site Operable Unit (OU) 1

951 1/2 Woody Lane, Zanesville, OH

Latitude: 39.9225000

Longitude: -82.0292000

POLREP No.:	7	Site #:	B53U-01
Reporting Period:		D.O. #:	
Start Date:	7/14/2003	Response Authority:	CERCLA
Mob Date:		Response Type:	Time-Critical
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:	OHN 000 508 430	Contract #	
RCRIS ID #:			

Site Description

The Mosaic Tile Dump Site, Operable Unit (OU) 1 is an abandoned waste tile, dump located just outside of Zanesville, Ohio (Springfield Township), Muskingham County, Ohio. The Site, also known as the Northern Parcel, is situated on ~3.5 acres just west of the county fairgrounds and is bordered by Pershing Road, Benjamin Avenue and Woody Lane. Residential homes surround the Site with the majority located along Benjamin Avenue (west side). A large mound or pile of waste is visible covering approximately 2/3 of the property.

The Site was used by the Mosaic Tile Company to dispose/dump off-specification tile, glaze and debris during the 1950s and 1960s. The large waste pile on-site is comprised of this material. The company was formerly located north of the Site on the north side of Pershing Road. The Site is currently owned Collins & Aikman Accessory Mat, Inc. (C&A) who is the Responsible Party and funding the removal action.

Total lead concentrations of waste glaze have been detected as high as 45,000 ppm. Corresponding TCLP levels have been detected above 5 mg/l, the RCRA regulatory level for hazardous waste (D008). Lead is the primary constituent of concern at this time.

Please refer to POLREP 1-6 and additional documents at the Profile Documents section of this web page for further information.

Current Activities

During the reporting period, May 18 through June 7, 2006, the following major removal activities were performed:

- * The trees and shrubs removed from the site were mechanically shredded. Material will be treated for lead as necessary and transported for disposal as non-hazardous waste.
- * Contractors surveyed and staked out the 13 "hot-spot" areas identified in earlier investigations as being above 1,800 ppm total lead.
- * Completed excavation of lead contaminated waste from "hot spot" Cells 1, 17, 37, 57, 58, 59, 60 and 67. Lead waste consists of glaze, tile pieces of all sizes, brick, soil and misc. debris. Began backfilling these cells with material determined to be less than 1,800 ppm.
- * Nearly completed excavation of lead waste from the perimeter edge of the existing waste pile (proposed limits of waste) at the point where the cap will be installed.
- * Began excavation of lead contaminated waste outside of the proposed limits of waste to achieve concentrations less than 400 ppm.
- * Began treating stockpiled lead waste with a proprietary stabilization agent (Enviro-Phos) using a 3% mix. Composite samples are collected and analyzed by a contract laboratory for TCLP lead. Initial results proved treatment successful as TCLP results to date are below 1.0 mg/l (5 mg/l is the RCRA Regulatory Level).
- * Began transporting treated, non-hazardous waste to a Subtitle D landfill for ultimate disposal.

- * To date, approx. 3,611 cubic yards of lead waste have been excavated; approx. 1,473 cubic yards has been treated (pending TCLP analysis); and approx. 823 cubic yards of treated waste (confirmed by analysis) have been transported off-site for disposal.
- * During excavation, a 55-gallon drum containing a solid, sand like material was unearthed. The material was analyzed and found to be non-hazardous. Several deteriorated 30-gallon plastic drums were discovered and appeared to contain waste glaze. XRF field analysis found high concentrations of lead. The drum contents were managed and treated on-site as lead glaze waste.
- * On-site XRF field analysis continues as the excavation progresses. Both XRF measurements and laboratory analysis will be performed on verification samples collected. Real time air monitoring and collection of air samples continues in accordance with site plans. Air samples collected are being analyzed for TSP and lead by a contract laboratory. No major air monitoring problems have occurred to date. Dust suppression is initiated as necessary.
- * Surface water from rain events is being directed to a collection area on the north side of the site. The water is filtered and pumped into a frac tank for temporary storage. Chemical analysis is performed when the tank is full (~20K gallons) to determine how the water must be managed
- * Contractors met with Springfield Township officials concerning construction of the future drainage swale along western site boundary which will be on a township right-of-way. No problems were identified.
- * Activities during the reporting period were conducted without an on-site recordable health & safety incident.

Planned Removal Actions

- * Excavate, treat and dispose of remaining high concentration lead waste from pre-determined locations and depths from across the site.
- * Control storm water run-off. Filter, store and analyze. Dispose or reuse as appropriate.
- * Consolidate lower concentration lead waste from outside of the limits of waste. Grade waste pile and construct cap as specified in engineering design (Ohio EPA Type 2).
- * Perform verification sampling and analysis as removal progresses (XRF and lab analysis). Areas outside of the waste footprint (perimeter) will meet the residential lead cleanup guideline of 400 ppm. Backfill and grade these areas.
- * Construct a toe drain system around the consolidation area. Place run-off control and erosion structures. Construct a permanent storm water pond.
- * Perform personnel and perimeter air monitoring, sampling and analysis throughout project.
- * Generate and initiate a Site restoration plan.
- * Generate and implement an O&M plan.

Disposition of Wastes

Waste Stream	Quantity	Manifest #	Disposal Facility
Non-Hazardous Solid Waste (treated for lead)	823 cubic yards		Suburban South RDF, Glenford, Ohio

response.epa.gov/MosaicTileDumpOU1