

United States Environmental Protection Agency
Region III
POLLUTION REPORT

Date: Friday, January 29, 2010

From: Robert Kelly

Subject: Continuation of Removal Action
Twin Cities Iron and Metal Site
950-1000 Fairview St, Bristol, VA
Latitude: 36.6024135
Longitude: -82.1704521

POLREP No.:	8	Site #:	03EN
Reporting Period:	through 2/16/10	D.O. #:	0703-03-021
Start Date:	10/29/2009	Response Authority:	CERCLA
Mob Date:	10/28/2009	Response Type:	Time-Critical
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:		Contract #	EP-S3-07-03
RCRIS ID #:			

Site Description

See POLREP 1

Current Activities

ERRS continued excavation along the northern slope of the Site. XRF screening data showed concentrations of lead in these excavated soils up to 57,895 ppm lead. Excavation was sloped towards the southern area of the contaminated hillside, moving away from Beaver Creek. A 5-foot concrete wall was unearthed. ERRS continued to unearth battery casings in this area and lead concentrations were determined up to 65,023 ppm. START continued to screen the areas beneath excavation to determine "clean" areas with lead concentrations below 1,000 ppm. START collected samples from approximately 20% of these locations and shipped the samples for laboratory analysis and confirmation. START continued to draft maps that contain Site photographs of the excavation areas depicting XRF data at the sample locations.

ERRS received analytical data from Stockpile #2. Lead TCLP was 48.9 mg/L; the soil was designated "hazardous". The estimated volume of soil in both Stockpiles #1 and #2 was 2,800 tons.

ERRS received bids for T&D of the stockpiled lead-contaminated soil and awarded the subcontract to the lowest bidder. ERRS began T&D operations on February 3, 2010. A total of 30 trucks, estimated at 22 tons each, were loaded with hazardous soil from stockpile #1 through February 4, 2010.

T&D operations continued through February 12, 2010, during days that did not pose unfavorable weather conditions. During the week of February 8, 2010, a total of 80 trucks, carrying approximately 22 tons each, were loaded with hazardous soil. ERRS completed loading soil from Stockpile #1 and began loading soil from Stockpile #2. To date, 110 trucks, approximately 2,420 tons, were loaded with hazardous soil. The soil was transported to Detroit, Michigan, for disposal. Approximately 400 tons of soil remain stockpiled on Site, awaiting T&D.

ERRS continued to stockpile fill material on Site, in preparation for construction of a cap over the remaining contaminated soils. ERRS are utilizing a large pile of fill material that was already present on the Site.

START continued to conduct air monitoring with DataRAM 4000's along the southern, western, and eastern areas of the Site. The maximum concentration of particulates that migrated from the Site during this operational period was 27.3 ug/m3.

START continued to conduct personal air monitoring for particulates in the hot zones. The instrument was rotated among the operators in the excavator and articulate dump in the excavation area and the laborers and operator in the stockpile area. The maximum concentration of particulates in the hot zone during this

operational period was 14 ug/m3. No respiratory protection was necessary during this operational period.

Representatives from VDEQ were on site to observe operations and the condition of the Site. The OSC updated VDEQ on Site operations.

Interested parties may view added recent pictures in the Images section of the website: www.epaosc.org/twincities.

Planned Removal Actions

1. Remove contaminated sediment from Beaver Creek such that average concentrations along the entire length of the Site do not exceed 91.3 mg/kg lead and 1 mg/kg PCB;
2. Prepare Site for permanent erosions controls by grading and/or removal of soil and debris. Preparing the Site for surface for the permanent erosion controls may require removing or covering soil and debris with lead over 1,000 mg/kg and PCBs over 25 mg/kg such that soil at the surface contains lead less than 1000 mg/kg and PCBs less than 25 mg/kg;
3. Install permanent erosion controls that intend to protect the integrity of the response action and minimize the erosion of the installed cover;
5. Sample and consolidate or otherwise prepare the soils and sediments removed for appropriate off-Site disposal pursuant to Section 121(d)(3) of CERCLA and 40 CFR 300.440;
6. Dispose of off-Site all soils and sediments removed in accordance with Section 121(d)(3) of CERCLA and 40 CFR 300.440.

Next Steps

Continue T&D operations of hazardous soil.

Continue coordination with local and state officials.

Key Issues

1. Concentrations of lead in Site soils were determined up to 149,000 mg/kg.
2. Concentrations of lead in Site sediments were determined up to 677 mg/kg.
3. Concentrations of PCBs in Site soils were determined up to 66 mg/kg.
4. Concentrations of PCBs in Site sediments were determined up to 2 mg/kg.

Disposition of Wastes

Waste Stream	Quantity	Manifest #	Disposal Facility
D008	22.93 TONS	007194256JJK	EQ DETROIT
D008	25.73 TONS	007194254JJK	EQ DETROIT
D008	23.67 TONS	007194258JJK	EQ DETROIT
D008	22.12 TONS	007194259JJK	EQ DETROIT
D008	22.89 TONS	007194255JJK	EQ DETROIT
D008	22.68 TONS	007194260JJK	EQ DETROIT
D008	24.73 TONS	007194257JJK	EQ DETROIT
D008	20.24 TONS	007194261JJK	EQ DETROIT
D008	23.86 TONS	007194262JJK	EQ DETROIT
D008	24.80 TONS	007194263JJK	EQ DETROIT
D008	22.88 TONS	007194155JJK	EQ DETROIT
D008	21.60 TONS	007194157JJK	EQ DETROIT
D008	23.54 TONS	007194158JJK	EQ DETROIT
D008	22.93 TONS	007194160JJK	EQ DETROIT
D008	22.93 TONS	007194164JJK	EQ DETROIT
D008	31.39 TONS	007194171JJK	EQ DETROIT
D008	24.39 TONS	007194162JJK	EQ DETROIT
D008	26.81 TONS	007194172JJK	EQ DETROIT
D008	22.90 TONS	007194156JJK	EQ DETROIT
D008	24.17 TONS	007194173JJK	EQ DETROIT

D008	22.92 TONS	007194163JJK	EQ DETROIT
D008	23.23 TONS	007194165JJK	EQ DETROIT
D008	24.10 TONS	007194166JJK	EQ DETROIT
D008	23.61 TONS	007194161JJK	EQ DETROIT
D008	22.15 TONS	007194167JJK	EQ DETROIT
D008	22.01 TONS	007194165JJK	EQ DETROIT
D008	22.88 TONS	007194159JJK	EQ DETROIT
D008	23.52 TONS	007194169JJK	EQ DETROIT
D008	24.41 TONS	007194170JJK	EQ DETROIT
D008	29.69 TONS	007194174JJK	EQ DETROIT
D008	23.05 TONS	007194177JJK	EQ DETROIT
D008	24.06 TONS	007194178JJK	EQ DETROIT
D008	22.16 TONS	007194180JJK	EQ DETROIT
D008	23.32 TONS	007194176JJK	EQ DETROIT
D008	24.11 TONS	007194175JJK	EQ DETROIT
D008	23.41 TONS	007194179JJK	EQ DETROIT
D008	22.33 TONS	007194181JJK	EQ DETROIT
D008	22.57 TONS	007194182JJK	EQ DETROIT
D008	23.98 TONS	007194183JJK	EQ DETROIT
D008	24.00 TONS	007194192JJK	EQ DETROIT
D008	22.45 TONS	007194188JJK	EQ DETROIT
D008	20.25 TONS	007194191JJK	EQ DETROIT
D008	22.62 TONS	007194190JJK	EQ DETROIT
D008	23.43 TONS	007194187JJK	EQ DETROIT
D008	26.00 TONS	007194186JJK	EQ DETROIT
D008	24.24 TONS	007194185JJK	EQ DETROIT
D008	22.63 TONS	007194189JJK	EQ DETROIT
D008	23.62 TONS	007194193JJK	EQ DETROIT
D008	23.32 TONS	007194194JJK	EQ DETROIT
D008	22.01 TONS	007194168JJK	EQ DETROIT
D008	22.32 TONS	007194201JJK	EQ DETROIT
D008	24.50 TONS	007194200JJK	EQ DETROIT
D008	22.49 TONS	007194195JJK	EQ DETROIT
D008	21.95 TONS	007194195JJK	EQ DETROIT