

United States Environmental Protection Agency
Region IV
POLLUTION REPORT

Date: Tuesday, December 11, 2007

From: Matthew Huyser

To: Shane Hitchcock, USEPA

Harry Zinn, NC DENR

Subject: Buried drums discovered in waste pile

Industrial Metal Alloy

20 E Acadia Avenue, Winston-Salem, NC

Latitude: 36.0718000

Longitude: -80.2385000

POLREP No.:	7	Site #:	A4KK
Reporting Period:	12/3/2007 - 12/11/2007	D.O. #:	
Start Date:	11/6/2006	Response Authority:	CERCLA
Mob Date:	11/6/2006	Response Type:	Time-Critical
Demob Date:	3/1/2008	NPL Status:	Non NPL
Completion Date:	6/1/2008	Incident Category:	Removal Action
CERCLIS ID #:	NCN000409780	Contract #	
RCRIS ID #:			

Site Description

Site background and enforcement information can be found on Pollution Reports #1, #2, and #3.

Current Activities

On December 3, 2007, HEPACO uncovered a buried drum in the waste pile at the SE corner of the IMACO property in grid K16. The drum was removed and placed in a poly overpack. Limited sampling equipment on-site allowed only a visual observation of the contents and pH paper reading to be taken. The drum contained a white/yellow solid powder with a pH reading of approximately 12. HEPACO informed EPA OSC Huyser, Brown & Caldwell, and the PRP on the morning of December 3 regarding these findings. As the finding and sampling of unknown drums had not been explicitly written in the Work Plan or HASP, EPA immediately advised HEPACO to cease all sampling and handling operations of unknown containers until proper PPE and sampling materials could be mobilized to the site. The HASP and Field Sampling Plan will henceforth require that Level B PPE with spill protection clothing be worn for handling of unknown drums; Level B PPE will also be required for sampling of unknown liquids and/or volatile materials, while Level C PPE with full face mask and appropriate respiratory cartridges will be worn for sampling of nonvolatile solids. A Hazardous Classification kit may be mobilized to the site in order to identify unknown materials that may be discovered in the waste pile. PID meters were mobilized to the site to conduct additional air monitoring during potential drum handling activities in the future.

Excavation of waste pile in grids K12, K13 and K14 continued on December 4. Debris was found at depths of 2 to 8 feet above ground surface. Kettle bottoms, debris, and soils were segregated in separate piles.

A second unknown drum was discovered in grid I17 on December 5. HEPACO conducted a Level B entry to handle and sample the contents of the drum. The drum contained a solid material with neutral pH. XRF readings of the material indicated elevated levels of lead up to 398ppm. The Winston-Salem Fire Department volunteered the use of their mobile spectrometer to sample the material. The readings indicated that the product was most likely an industrial cleaner.

Also on December 5, grid M15 was excavated using hand tools due to the close proximity to the silt fence, creek, and trees; backfilling began in grids K22 and L22.

On December 6, HEPACO loaded and transported off-site for disposal stockpile three. 22 loads were sent off-site with at an approximate total of 365 tons. To date, approximately 1201 tons of soil has been transported off-site for disposal. Also, approximately 250 cubic yards of fill material and 290 cubic yards of topsoil have been brought onto the site to complete restoration.

Planned Removal Actions

- Sampling to determine the aerial and vertical extent of contamination on-site and on adjacent properties (COMPLETE)

- All soils and sediments on-site and on adjacent properties which are contaminated above RALs shall be excavated (ONGOING)

Column 1: 1 cleared (row N); 0 uncleared

Column 2: 0 uncleared

Column 3: 0 uncleared

Column 4: 1 cleared (row N); 0 uncleared

Column 5: 4 cleared (rows L, M, N, O); 0 uncleared

Column 6: 4 cleared (rows B, C, D, N); 0 uncleared

Column 7: 2 cleared (rows C, N); 0 uncleared

Column 8: 3 cleared (rows B, C, N); 0 uncleared

Column 9: 13 cleared (rows A, C, D, E, F, G, H, I, J, K, L, M, N); 0 uncleared

Column 10: 11 cleared (rows A, B, C, D, H, I, J, K, L, M, N); 0 uncleared

Column 11: 7 cleared (rows H, I, J, K, L, M, N); 0 uncleared

Column 12: 6 cleared (rows H, I, J, K, L, M); 0 uncleared

Column 13: 6 cleared (rows H, I, J, K, L, M); 0 uncleared

Column 14: 6 cleared (rows H, I, J, K, L, M); 0 uncleared

Column 15: 5 cleared (rows H, I, J, K, L, M); 0 uncleared

Column 16: 0 cleared; 5 uncleared (rows H, I, J, K, L)

Column 17: 0 cleared; 8 uncleared (rows D, F, G, H, I, J, K, L)

Column 18: 0 cleared; 9 uncleared (rows D, E, F, G, H, I, J, K, L)

Column 19: 0 cleared; 9 uncleared (rows D, E, F, G, H, I, J, K, L)

Column 20: 2 cleared (rows A, B); 9 uncleared (rows C, D, E, F, G, H, I, J, K)

Column 21: 8 cleared (rows A, B, C, D, E, F, G, H); 2 uncleared (rows I, J)

Column 22: 7 cleared (rows A, B, C, D, E, K, L); 5 uncleared (F, G, H, I, J)

Column 23: 6 cleared (rows A, B, C, D, E, F); 2 uncleared (rows G, H)

Column 24: 8 cleared (rows A, B, C, D, E, F, G, H)

Column 25: 8 cleared (rows A, B, C, D, E, F, G, H)

- All waste streams shall be disposed of by appropriate measures as determined by the disposal profile (ONGOING)

- Restore areas which are disturbed by the removal action to their pre-removal state to the maximum extent practicable (ONGOING)

Next Steps

- Loading and transport off-site for disposal of the second stockpile.

- Loading and transport off-site for disposal of the fourth stockpile.

- Analysis of soils in grids G24 and G25 for VOCs, SVOCs, PCBs, Metals, Organics, Oils, and Greases

- Remove slag and possibly soils from mound near corner of GMAC building

- Locate recycler that will accept slag

- Continue excavation of waste pile at SE corner of IMACO property

- Continue other excavation, backfill and restoration activities

Key Issues

EPA and BC have thus far been unable to contact the property owner for of the Colter Electric Yard at the corner of Acadia Avenue and Sunnyside Avenue. Soils in the Colter Electric yard may be contaminated with hazardous substances other than lead. If this is the case, HEPACO will not backfill the excavated grids where these substances are found until the contamination can be addressed.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
START	\$56,000.00	\$25,273.75	\$30,726.25	54.87%
Intramural Costs				
Total Site Costs	\$56,000.00	\$25,273.75	\$30,726.25	54.87%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

response.epa.gov/IMACO

POLREP #7 Last Updated 1/8/2008