

**United States Environmental Protection Agency**  
**Region IV**  
**POLLUTION REPORT**

**Date:** Thursday, April 15, 2004

**From:** Terrence Byrd

**To:** Bob Bittinger, errb  
Terrence A. Byrd, ERRB

Matt Taylor, ERRB  
Jackie Harvey, SEIMB

**Subject:** Initial Polrep  
Free Radiator Lead Site  
12316 Greenville Hwy, Lyman, SC  
Latitude: 34.9558000  
Longitude: -82.1308000

<b>POLREP No.:</b>	1	<b>Site #:</b>	A4CB
<b>Reporting Period:</b>	04/14/04 - 04/17/04	<b>D.O. #:</b>	
<b>Start Date:</b>		<b>Response Authority:</b>	
<b>Mob Date:</b>		<b>Response Type:</b>	
<b>Demob Date:</b>		<b>NPL Status:</b>	
<b>Completion Date:</b>		<b>Incident Category:</b>	
<b>CERCLIS ID #:</b>		<b>Contract #</b>	
<b>RCRIS ID #:</b>			

**Site Description**

The Free Radiator Site is located at 12316 Greenville Highway, Lyman, Spartanburg County, South Carolina. The Site is approximately ½ acre in size and has operated as a radiator refurbishing shop since 1947. The same family has operated the business since inception. The current operator is Howard Free; however, the land is owned by his brother, James Free. The operator of the shop stated that waste radiator fluid was flushed and drained into a 15ft<sup>2</sup> sump located behind the shop. SCDHEC became aware of the Site through a citizen's complaint and collected soil samples at the Site on May 9, 2002. The total lead detected in these samples was reported as high as 160,000 ppm. SCDHEC subsequently referred the Site to the Emergency Response and Removal Branch (ERRB) for more action.

On July 1, 2003, EPA and EPA's Science and Ecosystems Support Division (SESD) personnel conducted a site assessment and field investigation of the Site. Based on the screening levels, soil samples were taken at the soil surface as well as eighteen inches below the surface depending on initial readings. Readings indicated that lead contamination in the soil behind and on both sides of the shop is present at levels well above the Region 9 Preliminary Remediation Goal (PRG) (750 to 1250 mg/kg lead in soil). Lead contamination in excess of the Region 9 PRG also appears to have migrated into the soil of the property adjacent to the radiator shop. After the assessment, samples were submitted to be analyzed for lead and Toxic Characteristic Leaching Procedure (TCLP) lead only via a Contract Laboratory Program (CLP) laboratory. Sample results revealed the presence of lead ranging from 750 to 65,000 ppm, levels exceeding the removal action for lead in industrial areas.

**Current Activities**

The following actions were taken during the period of record:

1. EPA and ERRS contractor, mobilized to the site on April 14, 2004 to initiate removal activities.
2. ERRS performed site setup and hot zone delineations.
3. EPA, START, and ERRS representatives conducted a kickoff meeting.
4. ERRS began excavating lead contaminated soil greater than 895 ppm.
5. Soil TCLP was analyzed to determine Transportation and Disposal options.

**Planned Removal Actions**

Actions to be taken during the next reporting period:

1. ERRS will continue to excavate lead contaminated soil.
2. START will continue to take confirmation samples with XRF.
3. START will take samples of stockpile for TCLP lead levels, total lead levels and correlation samples.
4. ERRS and START will test possible fill soil for cleanliness.
5. ERRS subcontractor will remove trees located in contaminated area.

**Estimated Costs \***

	<b>Budgeted</b>	<b>Total To Date</b>	<b>Remaining</b>	<b>% Remaining</b>
<b>Extramural Costs</b>				
ERRS - Cleanup Contractor	\$155,000.00	\$10,000.00	\$145,000.00	93.55%
START	\$15,000.00	\$1,000.00	\$14,000.00	93.33%
<b>Intramural Costs</b>				
<b>Total Site Costs</b>	\$170,000.00	\$11,000.00	\$159,000.00	93.53%

\* 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/FreeRadiator](http://response.epa.gov/FreeRadiator)

POLREP #1 Last Updated 2/23/2005