

United States Environmental Protection Agency
Region I
POLLUTION REPORT

Date: Thursday, February 17, 2005

From: Michael Barry

Subject: POLREP #3, Update

Baldwinville Residential Properties

4 Holman Street, Baldwinville, MA

Latitude: 42.6131000

Longitude: -72.0744000

POLREP No.:	3	Site #:	01BN
Reporting Period:	11/24/2004 to 2/17/2005	D.O. #:	25
Start Date:	8/16/2004	Response Authority:	CERCLA
Mob Date:	8/16/2004	Response Type:	Time-Critical
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:	MAN0001033152	Contract #	68-W-03-037
RCRIS ID #:			

Site Description

The Site, located at Holman Street, near the village of Baldwinville in the town of Templeton, Worcester County, north 42 36' 54" latitude, west 72 04' 33" longitude, encompasses a neighborhood of approximately 55 residential properties. The site area is about 1/2 mile north of the village center and consists of about 80 acres total along Winchester, Holman, Harris, Elm and Bridge Streets and Winchendon Road.

This was discovered when soil sampling for polychlorinated biphenyls (PCB's) at the adjacent Temple-Stuart removal site advanced to its property line without PCB concentrations declining below acceptable Massachusetts Department of Environmental Protection (MADEP) regulatory concentrations for residential areas. Subsequent sampling of the residential properties in 2003 confirmed PCB concentrations above MADEP levels at 28 properties. An additional 24 properties are slated for sampling in an additional phase.

For additional background information, please see the Action Memorandum

Current Activities

Since POLREP No. 2, the following work has been completed:

Phase 1 excavation is substantively complete and the site was demobilized for the winter on Friday 2/11/2005. Excavation has been completed at 26 of the 28 properties, or about 95% of the projected soil volume in phase 1.

Sand backfill has been completed on all 26 properties excavated. Loam backfill was done on 22 properties and 12 have been hydro-seeded.

8000 - 8500 tons of PCB contaminated soil has been shipped to date to ESMI's thermal desorption facility in Loudon for processing via ERRS subcontract with Mill City Environmental of Lowell MA; final disposition will be as daily landfill cover. The soil was shipped as non-TSCA non-hazardous waste as PCB concentration averages 15-20 ppm.

Approximately 100 tons of PCB contaminated "debris" consisting of roots, stumps, rocks and plastic was shipped to the Turnkey Landfill in NH via ERRS subcontract with Global Inc. The debris was also shipped as PCB containing, non-TSCA non-hazardous waste.

Approximately 200 tons of TSCA regulated PCB contaminated soil remains staged on site to be transferred with phase 2 generated soil from grid squares with PCB results.

Data review of the phase 2 SI on an additional 26 of 27 properties planned is underway. The PASI

encompassed 1170 20'x20' grids on the properties. Access was not granted by the owners of one property requested.

On February 3, 2005 "revegetation inventories" and plans were sent to the homeowners for their consideration. EPA will either restore the vegetation we destroyed or install new planting of equal cost. Residents were provided with an inventory of their yard and a master list, all with costs assigned for their planning purposes. They were asked to submit plans by March 31, 2005.

The Shimatzu field GC with an automatic injector was returned to the vendor for the winter shut-down. It functioned very well and was critical to maintaining excavation throughput. Approximately 2800 samples have been run to date and good split correlation to two fixed labs has been observed. It ran up to about 150 samples in a 24 hour period when excavation and SI were both underway.

Use of the SCRIBE system has been essential to project data processing and use of ARCVIEW in phase 2 added data presentation capability. Work on the phase 2 PASI and phase 1 removal reports is in progress.

Planned Removal Actions

Remobilize in mid/late March, complete/touch up sand and loam backfill, rehydro-seed if required and start revegetation work after individual plans are complete.

Commence phase 2 removal approximately early/mid April, utilizing same procedure and phase 1.

Next Steps

Send phase PASI reports to residents in early March, obtain access from owners requiring removal and determine individual cleanup plans.

Complete phase 2 removal in early summer 2005.

Assess requirement for any further sampling per phase 2 SI results.

Key Issues

Use of a modern, auto-injector capable field GC was key to obtaining quick, accurate sample results and supported the digging rate. Use of SCRIBE instrumental in handling large amount of project data. Some issues were encountered in meshing data flow to being as automated as possible.

High priority training exercises and TOPOFF 3 Exercise in March and April 2005 will impact project schedule.

Disposition of Wastes

Waste Stream	Quantity	Manifest #	Disposal Facility
PCB contaminated soil (non-TSCA, non-Haz, less than 50 ppm PCB's)	16,000 tons (approx max.), 8500 tons shipped to date	Various	Mill City Environmental, Lowell, MA (Broker) to ESMI facility in Loudon, NH
PCB contaminated soil (greater than 50 ppm PCB's)	300 tons (approx max.)	Various	TBD
PCB contaminated roots, other debris	200 tons, approx max, 100 tons shipped to date.	Various	Turnkey, NH Landfill via Global, Inc.