

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Bay Street Mercury Site - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region I

Subject: POLREP #3
Final
Bay Street Mercury Site
01HP
Tiverton, RI
Latitude: 41.6736405 Longitude: -71.1920672

To: Polrep Distribution, USEPA-R1

From: Tom Condon, OSC

Date: 9/27/2012

Reporting Period: 8/10/2012 to 9/27/2012

1. Introduction

1.1 Background

Site Number:	01HP	Contract Number:	EP-WQ-08-061
D.O. Number:	0037	Action Memo Date:	9/13/2011
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	4/16/2012	Start Date:	4/16/2012
Demob Date:	9/26/2012	Completion Date:	9/27/2012
CERCLIS ID:	RIN000106074	RCRIS ID:	
ERNS No.:		State Notification:	Site was referred to EPA by RIDEM
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time Critical

1.1.2 Site Description

The Bay Street Mercury Site is located within the Bay Street Study Area Site, which is a separate, ongoing project involving the removal of soil contaminated with manufactured gas plant (MGP) waste from approximately 100 properties under the direction of the Rhode Island Department of Environmental Management (RIDEM). During the course of the MGP waste cleanup, remnants of mercury-contaminated felt were encountered in surface soils in a portion of the Bay Street Study Area Site along A Connell Street. According to RIDEM files, the Site was used for the disposal of waste from a local hat factory approximately 100 years ago.

1.1.2.1 Location

The Bay Street Mercury Site is located along A Connell Street, in Tiverton, Rhode Island, and includes the right-of-way areas along both sides of the road, as well as portions of adjoining residential properties. The site is located in a residential neighborhood, and is bordered by Bay Street to the west, Bottom Street to the east and residential properties to the north and south.

1.1.2.2 Description of Threat

Surface soil was contaminated with mercury and polycyclic aromatic hydrocarbons (PAHs). Mercury and PAHs in surface soils pose a direct contact threat to local residents and those who may enter the site. The site is located in a residential area, and access is not restricted.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

EPA conducted a fund-lead removal action to address mercury contaminated surface soil on the residential

portions of the Site. The removal of mercury contaminated surface soil from the right of way areas was conducted by the Town of Tiverton, with oversight from EPA, in accordance with the terms of an Administrative Settlement Agreement and Order on Consent (ASOC).

2.1.2 Response Actions to Date

Fund Lead Actions

Excavation of mercury contaminated surface soil (to a depth of at least two feet) from the residential portion of the Site was initiated on 17 April, 2012, and was completed on 26 April, 2012. Forty-eight truckloads, containing approximately 1,150 tons of soil, were shipped off-site to the Cranston Sanitary Landfill.

Soil samples were collected from the excavated area and screened on site with a portable mercury analyzer to ensure that soil remaining at depth does not contain mercury at concentrations exceeding the State residential standard (23 mg/Kg). The excavated areas have been filled with clean soil, and restored to the original grade. Grass seed has been applied to provide ground cover and minimize erosion. On 26 September, 2012, at the completion of the PRP lead removal, (see below) the OSC inspected the site, determined that the fund lead action was complete, and EPA demobilized from the Site.

PRP Lead Actions

The Town of Tiverton initiated action on 16 June, 2012 to remove of contaminated soil from the right of way areas in accordance with the terms of the ASOC.

Contaminated surface soil was removed from the right of way along the northern side of A Connell Street, and the area was filled with clean soil and restored to original grade.

The Town of Tiverton planned to coordinate the removal of contaminated surface soil from the right of way along the southern side of A Connell Street, with the replacement of a drinking water supply line which is located in the right of way. The water line is located at a depth of three to five feet below grade. The Town's contractor removed the contaminated surface soil. At that point, the work plan called for the existing waterline to be isolated by shutting a valve. The valve did not function properly, and could not be closed. At that point, the situation was evaluated, and it was determined that the replacement of the waterline would not take place as part of this removal action. The work plan was modified to reflect this change in scope.

The Town's contractor excavated a total of 990 tons of contaminated soil, from both sides of A Connell Street. This soil has been shipped off site to the Rhode Island Resource Recovery Corporation Central Landfill in Johnston, RI. Note: this total was erroneously reported as 1,024 tons in an earlier POLREP.

The excavated areas have been filled with clean soil, and restored to the original grade. Grass seed has been applied to provide ground cover and minimize erosion. On 26 September, the OSC and the Town's contractor inspected the site, determined that no further on Site work was necessary, and the Town's contractor demobilized from the Site.

The PRP submitted a Final Report which documented the work performed in accordance with the ASOC. On September 27, 2012, the OSC provided the Town of Tiverton, a letter certifying that the removal provisions of the ASOC had been met, and that they had no further removal obligations under the ASOC.

2.2 Planning Section

2.2.1 Anticipated Activities

None

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$600,000.00	\$150,000.00	\$450,000.00	75.00%
TAT/START	\$100,000.00	\$22,000.00	\$78,000.00	78.00%
Intramural Costs				
USEPA - Direct	\$100,000.00	\$15,000.00	\$85,000.00	85.00%
USEPA - InDirect	\$45,410.00	\$6,811.50	\$38,598.50	85.00%

Total Site Costs	\$845,410.00	\$193,811.50	\$651,598.50	77.07%
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* 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.

2.5 Other Command Staff

2.5.1 Safety Officer

Site operations were conducted in accordance with a site-specific Health and Safety Plan.

3. Participating Entities

3.1 Unified Command

EPA worked with the Rhode Island DEM, the Town of Tiverton, and Hoffman Engineering (the consultant for the local homeowners association) to ensure that removal activities were coordinated with work being performed on the rest of the Bay Street Study Area Site.

4. Personnel On Site

none

5. Definition of Terms

No information available at this time.

6. Additional sources of information

6.1 Internet location of additional information/report

For additional information please refer to www.epaosc.org/baystreethg

7. Situational Reference Materials

No information available at this time.