

United States Environmental Protection Agency
Region I
POLLUTION REPORT

Date: Friday, September 26, 2008
From: Allen Jarrell

Subject: Kenyon Piece Landfill
Sand Plain Rd, Charlestown, RI
Latitude: 41.4394000
Longitude: -71.6389000

POLREP No.:	2	Site #:	01EY
Reporting Period:	09/01/2008 - 09/26/2008	D.O. #:	
Start Date:	8/4/2008	Response Authority:	CERCLA
Mob Date:	8/18/2008	Response Type:	Time-Critical
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:	RID001198514	Contract #	68-W-03-037
RCRIS ID #:			

Site Description

The Kenyon Piece Landfill Site is located off Sand Plain Road near the intersection of Sand Plain Road and County Trail [a.k.a. Rhode Island (RI) Route 2] in Charlestown, Washington County, RI. The Site consists of an irregular L-shaped 62-acre parcel of land identified on the Town of Charlestown Tax Assessor's Map No. 25 as Lot No. 94. The geographic coordinates of the Site, as measured from its approximate center, are 41° 26' 21.6" north latitude and 71° 38' 19.8" west longitude. Land use within 1 mile of the property is zoned as mixed residential/agricultural/commercial. The 62-acre Site is bounded by Sand Plain Road to the north; RI Route 2 to the east; and residential properties, woodland, and farmland to the south and west. A right-of-way for overhead electric utility lines traverses the south-central portion of the property in a northeast to southwest direction.

RI DEM had MACTEC Engineering and Consulting, Inc. (MACTEC) performed a Targeted Brownfields Assessment (TBA) and Site Investigation (SI). In the MACTEC January 2007 Data Submittal Report, MACTEC identified 7 test pits with buried drums and containers. Analytical results in the report also identified lead, toluene, ethylbenzene, tetrachloroethene, and naphthalene in the soil and groundwater at levels high enough to support the need for a Federal response. In August of 2007, the Rhode Island Department of Environmental Management (DEM) notified EPA of the presence of buried drums and containers at this vacant property and requested EPA's assistance in addressing the Site. On November 6, 2007, EPA initiated a Preliminary Assessment/Site Investigation (PA/SI) which included walking the Site with representatives of DEM, reviewing site background information, sampling of surface soils, and mapping magnetic anomalies using geophysical surveys to verify the areas identified in the TBA. The PA/SI was concluded, and a removal action was recommended in a closure memo dated June 20, 2008.

Current Activities

Beginning the week of 9/1/2008 and continuing through the week of 9/22/2008:

- 1) Buried containers and drums already identified through test pits and geophysical testing were excavated, overpacked, and staged;
- 2) As the drums and containers were exhumed, they were counted, inventoried, and inspected for any labeling information which might indicate their origins;
- 3) Air monitoring was performed at the perimeter of the Site throughout invasive site activities and no contaminants were identified as migrating outside the exclusion zone;
- 4) As of 9/25/2008, the following containers and drums were been exhumed, overpacked, and staged:

38 55-gallon steel drums

2 55-gallon fiber drums
484 5-gallon pails
12 1-gallon pails

Depending on the condition of these drums and containers (in tact, crushed, leaking, etc..), they we placed in either 95-gallon plastic overpacks, 85-gallon steel overpacks, or 55-gallon steel overpacks.

On 9/26/2008, a meeting was held with the OSC, the RM, START, and the RI DEM staffer to discuss an action plan to address concerns that down gradient drinking water well may be affected by our removal activities. START and RI DEM will began sampling monitoring wells on site (particularly those near the drum excavation and down gradient of excavation). These samples will be taken to the RI DEM field laboratory for analysis.

Planned Removal Actions

Planned Removal Actions

- 1) Buried containers and associated contaminated soils already identified through test pits and geophysical testing will continue to be excavated, sampled, overpacked, and staged;
- 2) As more drums and containers are exhumed, they will be counted, inventoried, and inspected for any labeling information which may indicate their origins;
- 3) Air monitoring will continue to be performed at the perimeter of the Site throughout invasive site activities;
- 4) Since the hazardous substances present are volatile and the Site is located within a residential area, it is anticipated that engineering controls may be necessary to address air quality issues;
- 5) Performing any necessary additional sampling, analysis, characterization, and removal of hazardous substances as deemed necessary by the OSC;
- 6) Identifying and characterizing waste streams and developing waste disposal profiles;
- 7) Providing transportation and disposal of hazardous substances at CERCLA-approved off-site disposal and recycling facilities in a safe and as cost-effective a manner as possible;
- 8) Backfilling any areas where buried drums and containers were removed with clean fill;
- 9) Repairing any response-related damage; and
- 10) Demobilizing all equipment, supplies and personnel as they are no longer needed at the Site.

Next Steps

The OSC will direct and coordinate with START and ERRS the ongoing removal action. The OSC will continue a dialogue with the residents surrounding the Site in order to answer any concerns they may have. In addition, RI DEM and the town of Charlestown will assist the OSC in coordination of efforts to determine the location of buried drums on the Site.

Key Issues

The town of Charlestown and RIDEM has raised concerns regarding the private drinking water wells of residents down gradient of the Site.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$850,000.00	\$181,000.00	\$669,000.00	78.71%
RST/START	\$150,000.00	\$46,055.00	\$103,945.00	69.30%
Contingency	\$200,000.00	\$0.00	\$200,000.00	100.00%
Intramural Costs				

Total Site Costs	\$1,200,000.00	\$227,055.00	\$972,945.00	81.08%
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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.

response.epa.gov/kenyonpiecelandfill

POLREP #2 Last Updated 9/26/2008