

United States Environmental Protection Agency
Region I
POLLUTION REPORT

Date: Friday, September 12, 2008

From: Allen Jarrell

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

POLREP No.:	1	Site #:	01EY
Reporting Period:	08/04/2008 - 08/29/2008	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

Current Activities

EPA OSC and SHAW Response Manager (RM) conducted site walk on 8/4/2008. The scope of work steps were discussed and approved. On 8/18/2008, SHAW began mobing personnel and equipment to the Site.

During the weeks of 8/18/2008 and 8/25/2008, the following activities were conducted:

- 1) Clearing, grubbing, and tree cutting of the area of the exclusion zone and support zone.
- 2) Clearing and expanding of dirt road access into the landfill. Gravel was put down on the road and the support zone in order to minimize dust.
- 3) Mobilizing of all support zone equipment and materials, and establishing electrical power.
- 4) Installing temporary fencing around the perimeter of the exclusion zone.

Planned Removal Actions

Planned Removal Actions

- 1) Buried containers and associated contaminated soils already identified through test pits and geophysical testing will be excavated, sampled, overpacked, and staged;
- 2) As the drums and containers are exhumed, they will be carefully logged and inspected for any labeling information which may indicate their origins;
- 3) Air monitoring will 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.

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