



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
5 Post Office Square, Suite 100
Boston, MA 02109-3912

DATE: August 19, 2010

SUBJ: Site Investigation Closure Memorandum
Parker Street Waste Site
Parker Street
New Bedford, MA

FROM: Wing Chau, On-Scene Coordinator *W.C.*
Emergency Response and Removal Section II

THRU: Steven Novick, Chief *Wing*
Emergency Response and Removal Section II

TO: Parker Street Waste Site File

In accordance with section 300.410 of the National Contingency Plan (NCP), a Removal Site Evaluation, consisting of a Preliminary Assessment and Site Investigation (PA/SI), has been undertaken at the Parker Street Waste Site ("Site") in New Bedford, Massachusetts. The findings of the Removal Site Evaluation have been evaluated under the criteria set forth in section 300.415 of the NCP, section 104(a) and (b) of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), 42 U.S.C. § 9604(a) and (b) and Clean Water Act (CWA) § 311(c)(i) as amended by the Oil Pollution Act (OPA) § 4201(a). The Removal Site Evaluation has led to the determination that a Removal Action is appropriate at this time.

The findings of the Removal Site Evaluation are outlined below.

1. Source and nature of the release or threat of release
 - a. The Removal Site Evaluation consisted of the following actions:
 - i. Review of analytical results generated by the City of New Bedford, TRC Summary Data Reports.
 - ii. Review of historical aerial imagery.

- iii. The Phase I Site Investigation initiated on April 26, 2010.
 - iv. Generating property specific PA/SI reports by EPA's contractor, titled "Removal Program Site Investigation Summary Report for the Parker Street Waste Site Properties New Bedford, Bristol County, Massachusetts 26 April 2010 Through 8 June 2010."
 - v. The Massachusetts Department of Environmental Protection (MassDEP) and its Site Assessment Remediation Support Services (SARSS) contractor, MACTEC, performed an evaluation of the analytical data for the properties sampled during this PA/SI to determine whether response action is required under the Commonwealth of Massachusetts Waste Site Cleanup requirements contained in 310 Code of Massachusetts Regulations (CMR) 40.0000, known as the Massachusetts Contingency Plan (MCP). Currently, 25 of the 47 properties tested to date have been evaluated and 20 properties have been determined to contain either an Imminent Hazard and/or Significant Risk condition. Evaluations of the other remaining properties are on-going.
- b. Based on the information available at this time, the principal hazardous substances or pollutants or contaminants that are being released or for which there is threat of release include but are not necessarily limited to the list below.

<u>Hazardous Substances or Pollutants or Contaminants</u>	<u>Media</u>
Metals – Lead, Chromium Cadmium, Barium, Arsenic	soil
PCBs	soil, sediment
PAHs	soil

2. Evaluation of the threat to public health, welfare and the environment

- a. Federal Agency for Toxic Substances and Disease Registry:

Threat ☐ No Threat ☐ Evaluation Not Necessary ☒

b. Endangerment to the ecosystem:

Threat ☐ No Threat ☐ Evaluation Not Necessary ☒

MassDEP and its Site Assessment Remediation Support Services (SARSS) contractor, MACTEC, performed an evaluation of the analytical data for the properties sampled during this PA/SI to determine whether response action is required under the Commonwealth of Massachusetts Waste Site Cleanup requirements contained in 310 Code of Massachusetts Regulations (CMR) 40.0000, known as the Massachusetts Contingency Plan (MCP). The MCP establishes numerical and performance standards including processes for addressing releases of oil and/or hazardous materials to the environment. Currently, 25 of the 47 properties tested to date have been evaluated and 20 properties have been determined to contain either an Imminent Hazard and/or Significant Risk condition. Evaluations of the other remaining properties are on-going.

3. The Removal Site Evaluation was terminated pursuant to section 300.410(f) of the NCP for the following reason(s).

- ☐ There is no release.
- ☐ The source is neither a "vessel" nor a "facility" as defined in section 300.5 of the NCP.
- ☐ The release involves neither a hazardous substance, nor a pollutant or contaminant that may present an imminent and substantial danger to public health or welfare of the United States.
- ☐ It is subject to the limitations on response specified in §300.400(b)(1) through (3). The release is
 - ☐ of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found.
 - ☐ from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures.
 - ☐ into public or private drinking water supplies due to deterioration of the system through ordinary use.
- ☐ The amount, quantity, or concentration released does not warrant a Federal response.

☐ A party responsible for the release, or any other person, is providing appropriate response, and on-scene monitoring by EPA is not required.

☒ The Removal Site Evaluation is complete.

4. As reflected in Section 3, above, the Removal Site Evaluation was terminated due to its completion, and not for other reasons.

a. The factors listed below, found in Section 300.415(b)(2) of the NCP, are applicable to this Site.

☒ Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances or pollutants or contaminants.

☒ Actual or potential contamination of drinking water supplies or sensitive ecosystems.

☐ Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release.

☒ High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface that may migrate.

☒ Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released.

☐ Threat of fire or explosion.

☒ The availability of other appropriate Federal or State response mechanisms to respond to the release.

☐ Other situations or factors that may pose threats to public health or welfare of the United States or the environment.

b. The existence of the conditions specified in Section 4.a., above, indicate that a Removal Action under section 300.415 of the NCP is necessary. Based upon analytical results from soil and sediment samples collected during the PA/SI initiated by EPA on April 26, 2010, the detection of elevated levels of hazardous substances and contaminants in the surface soils indicate that a release of hazardous substances has already occurred. Currently, 25 of the 47 properties

tested to date have been evaluated and 20 properties have been determined to contain these site conditions. Evaluations of the other remaining properties are ongoing.

- c. In light of the magnitude of the threat or potential threat to health, welfare, or the environment, the appropriate categorization of a Removal Action at this Site is:

Emergency ☐ Time-Critical ☒ Non Time-Critical ☐

5. As reflected in Section 3, above, the Removal Site Evaluation was terminated due to its completion, and not for other reasons.

- a. As found in section 300.410(e)(1) of the NCP, the OSC shall determine whether a release governed by CWA section 311(c)(1), as amended by OPA section 4201(a), has occurred.

☐ There is a release, or potential threat of release, as governed by the CWA as amended by OPA.

☒ There is not a release, or potential threat of release, as governed by the CWA as amended by OPA.

- b. The absence of the conditions specified in Section 5.a., above, indicate that an Oil Spill Response under Appendix E to Part 300 of the NCP is **not** necessary.

cc: Steven Novick, Chief, Emergency Response and Removal Section II, OSRR (w/o enclosures)
Meghan Cassidy, Chief, Technical Support & Site Assessment Section, OSRR (w/o enclosures)
Patti Ludwig, Technical Support & Site Assessment Section, OSRR (w/o enclosures)
Molly Cote, MassDEP
Scott Alfonse, City of New Bedford (w/o enclosures)

Encl: PA/SI Reports