



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I

DATE: 16 March 2011

SUBJ: Site Investigation Closure Memorandum
Woodbury Coal Tar Site
12 Woodbury Court
Salem, Massachusetts 01970

FROM: Richard A. Haworth, On-Scene Coordinator
Emergency Response and Removal Section II, EPRB, OSRR

THRU: Steven R. Novick, Chief
Emergency Response and Removal Section II, EPRB, OSRR

TO: Woodbury Coal Tar 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 Woodbury Coal Tar Site ("Site") in Salem, 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. Reviewing a report titled, "Phase II Comprehensive Site Assessment Report

and Phase III: Remedial Action Plan,” generated by Lord Associates, Inc., for the property owner, 12 Woodbury Court Trust, Release Tracking Number 3-21495, dated 19 August 2009.

- ii. Review of site conditions, soil gas screening results, MA DEP’s assessment of soil gas data, and analytical results generated by EPA’s New England Regional Laboratory and Contract Laboratory Services (CLP) Program.
 - iii. The Site Investigation on 22, 26 and 29 July 2010, and 3 - 6 January 2011.
 - iv. Generating a PA/SI report titled “Removal Program Preliminary Assessment/Site Investigation Report for the Woodbury Coal Tar Site, Salem, Essex County, Massachusetts,” March 2011, generated by Weston Solutions for EPA.
- 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>
Cyanide	Soil
Arsenic	Soil
Cadmium	Soil
Lead	Soil
Benzo[a]anthracene	Soil
Benzo[a]pyrene	Soil
Benzo[b]fluoranthene	Soil
Benzo[k]fluoranthene	Soil
Chrysene	Soil
Dibenzo[a,h]anthracene	Soil
Indeno[1,2,3-c,d]pyrene	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 X

b. Endangerment to the ecosystem:

Threat _____ No Threat _____ Evaluation Not Necessary X

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. 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 X 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.
- (X) 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. There is no navigable water at or adjacent to this site.

cc: w/o attachment

Steven Novick, Chief, Emergency Response and Removal Section II, OSRR
Meghan Cassidy, Chief, Technical Support & Site Assessment Section, OSRR
Patti Ludwig, EPA CERCLIS Coordinator, OSRR
EPA Records Center

w/ attachment

Andrew Clark, DEP Brownfields/Permits Section, andrew.clark@state.ma.us
Kathleen Winn, Salem Planning Department, KWinn@Salem.com

Attachment: PA/SI report