



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION I

5 Post Office Square, Suite 100
Boston, MA 02109-3912

DATE: May 10, 2023

SUBJ: Caribou Power Plant Site Investigation Closure Memorandum
142 Lower Lyndon Street
Caribou, ME

FROM: Catherine Young, On-Scene Coordinator *CY*
Emergency Response and Removal Section II

THRU: William Lovely, Chief
Emergency Response and Removal Section II

TO: Caribou Power Plant 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 Caribou Power Plant Site ("Site") in Caribou, Aroostook County, Maine. 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 asbestos analytical results generated by EPA Region 1 Laboratory Services and Applied Sciences Division (LSASD), New England Regional Laboratory (NERL), located in North Chelmsford, Massachusetts.
 - ii. Phase I Environmental Site Assessment (ESA), August 5, 2021, by County Environmental Engineering, Inc. (CEE) for MEDEP.
 - iii. Phase II ESA, May 14, 2022, by CEE for MEDEP.
 - iv. Hazardous Building Materials Survey, May 8, 2022, by CEE for MEDEP.

- v. The Site Investigation conducted on November 15, 2022.
 - vi. Generating a PA/SI report by EPA's contractor, titled REMOVAL PROGRAM PRELIMINARY ASSESSMENT/ SITE INVESTIGATION REPORT FOR THE CARIBOU POWER PLANT SITE CARIBOU, AROOSTOOK COUNTY, MAINE, 15 NOVEMBER 2022.
- 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:

**Hazardous Substances or
Pollutants or Contaminants**

Media

Ignitable, reactive, corrosive Chemicals	Acid-containing batteries
Hg	Mercury-containing switches
PCBs	PCB light ballasts, PCB-contaminated oils
Asbestos	tank and piping insulation, transite board, floor tile
Petroleum	tanks, containers, piping

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

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

☐ Other: _____

☐ Threat ☐ No Threat ☒ Evaluation Not Necessary

- b. Endangerment to the ecosystem:

☐ Threat ☐ No Threat ☒ Evaluation Not Necessary

3. If it has been determined that a removal action is **not** warranted under CERCLA, please proceed to 3a, and mark the appropriate boxes.

If it has been determined that a removal action **is** warranted under CERCLA, please proceed to 3b, and mark the box.

- a. ☐ 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.

☐ The release is from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures.

☐ The release 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.

b. ☒ The Removal Site Evaluation is complete and a removal action is warranted.

4. As reflected in Section 3 above, the Removal Site Evaluation was completed and a removal action is warranted. Regardless of the determination, one or more of the factors listed below, found in Section 300.415(b)(2) of the NCP, may be applicable to this Site.

a. ☒ 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 purpose of this memorandum is to document the determination that a removal action **is** warranted under section 300.415 of the NCP. The Site is a former Power Plant that has been abandoned. Buildings at the Site contain hazardous substances, as listed in Section 1.b. of this document, which are not being managed and are in threat of release to the adjacent Androscoggin River and the environment. The Site is located near a residential area and is adjacent to an active power substation. Due to its deteriorating condition, including lack of fire suppression systems, the building is at increased risk of a fire threat.
- c. If a removal action **is** warranted and in light of the magnitude of the threat or potential threat to health, welfare, or the environment, the appropriate categorization of a Removal Action as this Site is:

☐Emergency ☒Time-Critical ☐Non Time-Critical ☐N/A

5. As reflected in Section 3 above, the Removal Site Evaluation has been concluded and it has been determined that a removal action under CERCLA **is** warranted. Section 5 below documents whether a release or potential threat of release under CWA, as amended by OPA, has been determined.

- 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 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 **existence** of the conditions specified in Section 5a, above, indicate that an Oil Spill Response under Appendix E to Part 300 of the NCP **is** necessary. Oil is present at the Site in large quantities within above-ground storage tanks, drums,

pipng and equipment. As it was a former power plant, there are a number of pumps and drains that release directly into the Androscoggin River. Due to the Site being abandoned and its lack of maintenance, there is an increased threat of a release into the river.

cc: William Lovely Chief,
Emergency Response and Removal Section II, SEMD (w/o attachments)
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Encl: PA/SI Report