

US EPA ARCHIVE DOCUMENT



Loureiro Engineering Associates, Inc.

Superfund Records Center
SITE: Centredale
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Via Electronic Mail

September 2, 2010

United States Environmental Protection Agency
Region 1 - New England Regional Office
5 Post Office Square, Suite 100 (OSRR07-1)
Boston, Massachusetts 02109-3912

Attn: Anna Krasko, Project Manager

RE: Centredale Manor Restoration Project Superfund Site
North Providence, Rhode Island
Notice of Completion of Work

Dear Ms. Krasko:

Emhart Industries, Inc. (Emhart) has performed the tasks identified in the Statement of Work (SOW), which is provided as Appendix A of the Administrative Settlement Agreement and Order on Consent (CERCLA Docket No. 01-2007-0163) (Order). All work identified in the SOW has been performed in accordance with the Order. The actions specifically performed to comply with the Order included:

1. Detailed evaluations of pond sediment remediation alternatives that consider the removal of Allendale and Lyman Mill Ponds under three remedial scenarios, and a detailed evaluation of one remediation alternative that considers the dams in place. The evaluations were presented along with corresponding cost estimates under various correspondence submitted to Battelle. Battelle used the information provided in performing the feasibility study evaluations documented in the Interim Final Feasibility Study Report, prepared by Battelle and dated April 30, 2010.
2. A comparative ecological assessment of Allendale and Lyman Mill Ponds under existing conditions and conditions if a dam removal option were to be implemented. This assessment included a site walkover to assess the vegetation that exists along the River and in the Oxbow Area. The comparative ecological assessment was documented in the *Revised Final Comparative Ecological Assessment Report* prepared by AMEC Earth & Environmental, Inc., dated October 13, 2008, with replacement pages submitted on June 15, 2009 to address comments provided by the United States Environmental Protection Agency (USEPA).
3. A hydrodynamic analysis of the dam removal alternatives, which included an evaluation of various channel designs, an investigation of the hydrodynamics and extent of inundation in



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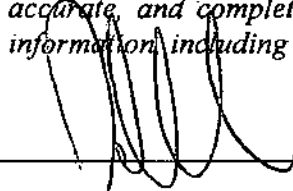
the floodplain areas of Allendale and Lyman Mill Ponds, an analysis of the effects of dam removal on the hydrodynamics and floodplain inundation in the Manton Pond area, and an evaluation of the impacts of dam removal on stage height and floodplain inundation during high-flow events in the region from Manton Dam to the confluence of the Woonasquatucket River and the Moshassuck River. This evaluation was documented in the *Hydrodynamic Analysis of Remedial Alternatives*, prepared by Quantitative Environmental Analysis, LLC and submitted to USEPA under a letter of transmittal dated November 16, 2007.

As required by Paragraph 42 of the Order, a good faith estimate of the total cost or a statement of the actual cost incurred in performing these actions is to be provided. The cost incurred in complying with the Order was \$324,444.06. Also, under Paragraph 42 of the Order, certification is to be provided attesting to the validity of the information provided in this correspondence. In accordance with this paragraph, this certification is provided below.

At this time, it is requested, pursuant to Paragraph 91 of the Order, that the USEPA provide Emhart with a written Notice of Completion of Work. Should you have any questions regarding this request, please feel free to contact me at (860) 747-6181.

Certification:

Under penalty of law, I certify that to the best of my knowledge, after appropriate inquiries of all relevant persons involved in the performance of the SOW, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Jeffrey J. Loureiro, P.E., LEP
Project Coordinator

cc: Eve Vaudo (EPA)
Louis Maccarone (RIDEM)