

March 15, 2016

Special Master Susan Calkins
2112 Promontory Point Lane
Gold River, CA 95670



**Subject: Monthly Status Report 02 for February 2016
Penobscot River Estuary Phase III - Engineering Study**

Dear Ms. Calkins:

Amec Foster Wheeler Environment and Infrastructure, Inc. (Amec Foster Wheeler) is pleased to submit this Monthly Status Report for the Penobscot River Estuary Phase III - Engineering Study. This report covers the period from February 1, 2016 through February 29, 2016. Brief narratives of activities performed during this period, issues/problems identified during the period, proposed activities for the following period, as well as a cash flow projection for the following 6-month period are presented below.

ACTIVITIES AND EVENTS DURING THE REPORTING PERIOD

- February 2, 2016 - Signed contract received from Mallinckrodt.
- February 3, 2016 - Amec Foster Wheeler met with Woodard & Curran in Westbrook, Maine to discuss the status of the Penobscot River Mercury Study database.
- February 3, 2016 - Amec Foster Wheeler received signed authorization for Work Order 001
- February 4, 2016 – Amec Foster Wheeler responded to Special Master and Litigants regarding Phase III Procedures
- February 8, 2016 – meeting notes from January 25-26, 2016 meetings with Special Master, Litigants, and Study Panel members in Oakland, CA issued to Special Master
- February 15, 2016 – Monthly Report and Invoice # J02204585 issued to Special Master
- February 19, 2016 – requested all GIS files from Ramboll Environ.
- February 22, 2016 – Amec Foster Wheeler submitted Work Order 002 proposal to Special Master
- February 26, 2016 – Ramboll Environ sent GIS output files to Amec Foster Wheeler (have requested full file package).
- February 29, 2016 – Amec Foster Wheeler submitted revised Work Order 002 proposal to Special Master
- February 29, 2016 – conference call held with Rocky Geyer and David Ralston regarding their technical contributions to the Penobscot River Mercury Study
- Technical progress made during the reporting period:
 - Evaluation of Woodard & Curran database initiated - standardization of location names conducted, queries to check for duplicate records conducted, and preliminary checks of database content comparison to raw data files initiated.

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- Contacted the U.S. Army Corps of Engineers in Concord, MA to gather most recent bathymetric data for Penobscot River estuary, and discuss their standard datum for navigation products.
- LIDAR topography data of Penobscot River estuary region downloaded from NOAA servers, to be imported into site GIS.
- Arrangements made for conference calls with select Study Panel members, including setup as vendors in Amec Foster Wheeler's financial system
- Data gap evaluation for information needed to assess remedial options continued. Potential physical data collection activities may include side-scan sonar for bathymetry, sub-bottom profiling for characterization of mobile sediment pool, and LIDAR survey of tidal flats at low tides to better understand the extent and mass of the mobile sediment pool and assist in evaluation of alternatives related to the mobile pool. Additional data collection activities to address contaminant distribution and mercury uptake by biota are also being evaluated.
- Initiated development of preliminary conceptual site models for specific sections of the estuary, including Hg/MeHg distribution (horizontal and vertical), impacted receptors, and remedial goals.
- Initiated development of metadata for sampling programs conducted from 2006 through 2012.
- Engineering evaluation studies collected and cataloged as part of preliminary steps to evaluate remedial technologies.

ISSUES/PROBLEMS IDENTIFIED DURING THE REPORTING PERIOD

- No issues or problems were identified during the reporting period.

PROPOSED ACTIVITIES FOR THE FOLLOWING PERIOD

- Continue review of Penobscot River Mercury Study Final Report, April 2013
- Develop summary table of all field investigation programs from 2006 to present to include media, objective, sampling dates, sample location IDs, and analyses conducted.
- Continue assessment of Woodard & Curran database to develop an understanding of the status of data compilation.
- Develop Work Order 003 to be focused on initial field data collection activities for May 2016. These initial activities will likely include side-scan sonar for bathymetry, sub-bottom profiling for characterization of mobile sediment pool, and LIDAR survey of tidal flats at low tides. Additional data collection activities are expected to be needed in the summer of 2016.
- Contact LIDAR and side-scan sonar vendors for pricing.
- Conduct site visit, including assessment of field office conditions and equipment inventory.
- Develop Health and Safety Plan for additional investigations anticipated in 2016.
- Develop written work plan for initial field investigation program.

- Continue data gap evaluation process using GIS and W&C database.

SCHEDULE UPDATE AND FUTURE MEETINGS AND CONFERENCE CALLS

- March 1, 2016 - Teleconference meeting with Cindy Gilmour (PRMS Study Panel Member)
- March 2, 2016 - Teleconference meeting with Kevin Yeager (PRMS Study Panel Member)
- March 3, 2016 - Teleconference meeting with Drew Bodaly (PRMS Study Panel Member)
- March 3, 2016 - Teleconference meeting with John Rudd (PRMS Study Panel Member)
- March 4, 2016 - Teleconference meeting with Dianne Kopec (PRMS Study Panel Member)
- May 12, 2016, Quarterly Meeting with Special Master, Litigants, and Amec FosterWheeler, Boston, MA
- July 21, 2016, Quarterly Meeting with Special Master, Litigants, and Amec Foster Wheeler, Portland, ME
- October 27, 2016, Quarterly Meeting with Special Master, Litigants, and Amec Foster Wheeler, Portland, ME (Portland)
- There are no significant changes to the original project schedule at this time. A new schedule will be issued with the next monthly report.

CASH FLOW PROJECTION

Please refer to Attachment A for the Amec Foster Wheeler cash flow projection for the next six months.

If you have any questions regarding the information contained in this report, please call me at 207-651-0315.

Sincerely,



Nelson Walter, PE, LSP, LEP, PMP
Principal Project Manager

Attachments

Attachment A – Cash Flow Projection

cc: Mitchell Bernard (NRDC) Patricia Duft (Mallinckrodt)
Jared Thompson (NRDC) Jeffrey Talbert (Preti Flaherty)
Project File (3616166052)