

June 15, 2016

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



**Subject: Monthly Status Report 05 for May 2016
Penobscot River Estuary Phase III - Engineering Evaluation**

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 May 1, 2016 through May 31, 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

- May 2, 2016 – Mallinckrodt and the Special Master issue approval for Amec Foster Wheeler Work Order 003 – Remote Sensing & Geophysics, an investigation of the mobile sediment pool
- May 3, 2016 – Amec Foster Wheeler receives electronic files from Dianne Kopec regarding prior pilot test amendment studies, as well as information pertaining to permits required for bird sampling (email & files forwarded to Special Master and Litigants May 3, 2016)
- May 12, 2016 – Amec Foster Wheeler attended Quarterly Status Meeting in Boston, MA with Special Master and Litigants to present update on progress
- May 13, 2016 – Amec Foster Wheeler submitted Conflict of Interest Review letter number 3 to the Special Master for review
- May 16, 2016 – Amec Foster Wheeler receives missing coordinate information from Dianne Kopec (emails & files forwarded to Special Master and Litigants May 3, 2016)
- May 17, 2016 – Amec Foster Wheeler submitted electronic version of slides and an action item list from May 12, 2016 Quarterly Status Meeting to Special Master and Litigants
- May 17, 2016 - Monthly Report and Invoice # J02205018 issued to Special Master and Litigants
- May 18, 2016 - Notes from Penobscot River site tour on April 5-6, 2016 submitted to Special Master and Litigants
- May 21-27, 2016 – Amec Foster Wheeler conducts the first phase of investigations on the Penobscot River associated with Work Order 003 - Remote Sensing & Geophysics
- May 25-27, 2016 – Amec Foster Wheeler conducts water quality monitoring: collection of seven surface water samples

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- May 27, 2016 – Amec Foster Wheeler submits draft Community Involvement Scope of Work to Special Master and Litigants
- Technical progress made during the reporting period:
 - Continued review of sediment remediation technologies
 - Evaluation of Woodard & Curran database continued – biota data loaded to AmecFW SQL server, data completeness review underway
 - Continued development of the project GIS to capture existing project data, including importation of Environ GIS files
 - Continued development of preliminary conceptual site models for specific sections of the estuary, including Hg/MeHg distribution (horizontal and vertical), impacted receptors, and remedial goals
 - Continued development of summary table of all field investigation programs from 2006 to present to including media, objective, sampling dates, sample location IDs, and analyses conducted
 - Continued data gap evaluation for information needed to assess remedial alternatives continued, based on Amec Foster Wheeler evaluation of existing data set as well as input from Study Panel members (teleconferences in early March)
 - Continued development of Field Sampling Plan (methodologies for field data collection)
 - Completed Health and Safety Plan for additional data collection activities anticipated in 2016 and 2017
 - Reviewed data received from USACE on historical dredging conducted in the Penobscot River
 - Discussed use of particle tracers/tracking for estimating the movement of the mobile sediment pool with several vendors
 - Contacted ME DMR regarding 2014-15 lobster sampling data and status of analyses for 2015 samples
 - Developed draft outline of community relations/Involvement plan for presentation to the Special Master and Litigants at the May 12, 2016 Quarterly Status Meeting

ISSUES/PROBLEMS IDENTIFIED DURING THE REPORTING PERIOD

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

PROPOSED ACTIVITES FOR THE FOLLOWING PERIOD

- Continue review of existing documents associated with the Penobscot River Mercury Study Final Report (April 2013), 2012 Monitoring Report, and additional documents received from Preti Flahery and NRDC
- Continue development of the project GIS and Cross-Sectional Visualization tool
- Continue data gap evaluation process using GIS, cross-section tool, and W&C database
- Evaluate remote sensing and analytical data from Work Order 003 - Remote Sensing & Geophysics field activities
- Continue field activities for Work Order 003 - Remote Sensing & Geophysics
- Prepare Work Order 003A, if necessary, to increase scope of Work Oder 003 (pending evaluation of collected data)
- Submit project Field Sampling Plan and standard operating procedures for initial data collection activities to Special Master and Litigants
- Submit project Quality Assurance Project Plan to Special Master and Litigants
- Prepare and submit Work Order 004 - 2016 Sediment and Water Quality Monitoring
- Conduct June 2016 water quality monitoring (June 29-30)
- Install turbidity monitoring device near location of former Veazie Dam
- Prepare and submit Work Order 005 - 2016 Biota Monitoring
- Submit 2016 Biota Monitoring Plan to Court and Litigants
- Submit notes from May 12, 2016 Quarterly Status Meeting
- Attend June 15, 2016 meeting regarding Southern Cove remediation with CDM, Mallinckrodt and Maine DMR

SCHEDULE UPDATE AND FUTURE MEETINGS AND CONFERENCE CALLS

- June 22, 2016 – submit draft Field Sampling Plan and QAPP to Special Master and Litigants for review/comment
- July 17, 2016 – Initiate 2016 Biota Monitoring field activities
- July 21, 2016 - Quarterly Meeting with Special Master, Litigants, and Amec Foster Wheeler, Boston, MA
- October 27, 2016 - Quarterly Meeting with Special Master, Litigants, and Amec Foster Wheeler, Location TBD
- At this time, there are no significant changes to the project schedule presented to the Special Master and Litigants at the May 12, 2016 Quarterly Status Meeting

CASH FLOW PROJECTION

Please refer to Attachment A for the Amec Foster Wheeler financial status summary and 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)