

September 16, 2016

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



**Subject: Monthly Status Report 08 for August 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 August 1, 2016 through August 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

- August 1-5, 2016 – conducted biota monitoring for eels and polychaetes, as well as sediments associated with the 2016 Sediment Monitoring program
- August 2, 2016 – submitted electronic slides from Quarterly Status Update Meeting with Court and Litigants held in Boston, MA on July 21, 2016
- August 8, 2016 – received NRDC comments on the Technology Screening Report
- August 13, 2016 – submitted the analytical laboratory internal instructions for the analysis of the 2015 lobster and crab samples to the Maine DMR
- August 15, 2016 – received Mallinckrodt comments on the Technology Screening Report
- August 17, 2016 – submitted Invoice # J02205438 for the month of July 2016, and the July 2016 Monthly Report to the Special Master
- August 17, 2016 – met with Maine DEP to discuss potential permitting requirements associated with treatability studies and remedial alternatives
- August 23, 2016 – submitted meeting notes from Quarterly Status Update Meeting with Court and Litigants held in Boston, MA on July 21, 2016
- August 23, 2016 – submitted memorandum updating the status of the 2016 Biota Monitoring program to the Court and Litigants
- August 25, 2016 – held conference call with Anchor QEA to discuss transfer of Amec Foster Wheeler's current Penobscot River database to Anchor QEA
- August 29-30, 2016 – conducted monthly water quality monitoring: collection of seven surface water samples in the river

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TECHNICAL PROGRESS MADE DURING THE REPORTING PERIOD:

- Continued evaluation of remote sensing and analytical data from Work Order 003 - Remote Sensing & Geophysics field activities
- Monitored laboratory progress on analysis of May/June 2016 sediment samples from Work Order 003 investigations
- Conducted data validation of May 2016 surface water monitoring data
- Reviewed NRDC and Mallinckrodt comments on Technology Screening Report
- Continued review of sediment remediation technologies
- 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 data gap evaluation for information needed to assess remedial alternatives continued, based on Amec Foster Wheeler evaluation of existing data set
- Initiated evaluation of sample collection, processing, and analytical methods used by Phase II Study Panel for assessment of wood chips
- Pursued access agreement for locating turbidity meter device on east bank of Penobscot River in Eddington
- Pursued access agreements with landowners of property upon which biota monitoring is scheduled
- Initiated work on the Community Involvement program

ISSUES/PROBLEMS IDENTIFIED DURING THE REPORTING PERIOD

- Eel sampling the week of August 1 was relatively unsuccessful, as only seven eels (vs. a target quantity of 100) were captured. There were two primary issues: 1) at BO-4 and OB-5, traps were set in the same area as at least two commercial eel fishermen, who also reported very low catch rates, and 2) at Odom Ledge and OB-1 the catch rate was very poor, and local eel fishermen said we weren't likely to catch eels due to invasive green crabs, which were caught in abundance. Additional eel sampling is proposed for Spring 2017.

PROPOSED ACTIVITIES FOR THE FOLLOWING PERIOD

- Respond to comments from NRDC and Mallinckrodt on the Draft Technology Screening Report
- Conduct September 2016 water quality monitoring
- Install turbidity monitoring device near location of former Veazie Dam (property access issues resolved; scheduled for installation on 08September 2016)
- Conduct 2016 Biota Monitoring for fish species in late September 2016
- Prepare for Quarterly Status Update Meeting with the Court and Litigants, scheduled for October 27, 2016

- Prepare and submit additional Work Orders:
 - Work Order 003A - Follow-on to Mobile Sediment Pool Remote Sensing
 - Work Order 005A - Additional Biota Monitoring
 - Work Order 008 - Technology Screening Report - RTC and Report Revisions
 - Work Order 009 - Recovery Times & Sediment(Hg) Transport
 - Work Order 010 - Treatability Studies: Scoping
 - Work Order 011 - Additional Sediment Characterization
 - Work Order 012 - Analytical Methods Evaluation and OC Study
 - Work Order 013 – Meetings: Study Panel and Agencies
- Initiate further field investigations of mobile sediment pool (Work Order 003A)

SCHEDULE UPDATE AND FUTURE MEETINGS AND CONFERENCE CALLS

- September 9, 2016 – Conference call scheduled with Rocky Geyer to discuss mobile sediment pool findings from Amec Foster Wheeler's Work Order 003 activities conducted in May/June 2016
- September 14, 2016 – Conference call scheduled with Carl Wilson of ME DMR to discuss lobster habitat and diet
- September 16, 2016 – Conference call with Cindy Gilmour to discuss results of her treatability studies in Mendall Marsh, as well as Amec Foster Wheeler's thoughts on potential additional studies
- September 20, 2016 – mobilize to Penobscot River for continuation of 2016 Biota Monitoring
- October 27, 2016 - Quarterly Meeting with Special Master, Litigants, and Amec Foster Wheeler, Boston, MA

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)