

May 16, 2016

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



**Subject: Monthly Status Report 04 for April 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 April 1, 2016 through April 30, 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

-) April 1, 2016 - Teleconference with Rocky Geyer to discuss his definition of mobile pool sediments, as well as to obtain more detailed information on sampling techniques and analyses
-) April 5-6, 2016 - Site tour by Dianne Kopec for Amec Foster Wheeler (Nelson Walter and Rod Pendleton) and Matt Warner (Preti Flaherty)
-) April 12, 2016 – Notes from Penobscot River site tour on April 5-6, 2016 submitted to Special Master and Litigants
-) April 13, 2016 – Teleconference with Dr. Gail Kinecke from the University of Connecticut regarding the HAPS corer technique for shallow sediment sampling (recommended by Rocky Geyer)
-) April 14, 2016 – Report on mercury in the Narramissic River (Orland, ME) received via email from Dianne Kopec
-) April 15, 2016 - Monthly Report and Invoice # J02204862 issued to Special Master
-) April 20, 2016 – USACE submits information from FOIA request of March 17, 2016, including conditions surveys of Penobscot River dredging projects from 1938, 1963, 1974, 1984, 1997, 1998, and 2004
-) April 22, 2016 – Amec FW submits Work Order 003 – Remote Sensing & Geophysics submitted to Special Master and Litigants
-) Technical progress made during the reporting period:
 - o Continued review of sediment remediation technologies
 - o Evaluation of Woodard & Curran database continued – biota data loaded to AmecFW SQL server, data completeness review underway
 - o Continued development of the project GIS to capture existing project data, including importation of Environ GIS files

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- 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
- Prepared summary presentation for Quarterly Status Meeting scheduled for May 12, 2016 with the Special Master and Litigants

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 existing documents associated with the Penobscot River Mercury Study Final Report (April 2013), 2012 Monitoring Report, and additional documents received from Preti Flaherty and NRDC.
-) Continue assessment of Woodard & Curran database, focusing on biota data
-) Continue development of the project GIS and Cross-Sectional Visualization tool
-) Finalize Field Sampling Plan and standard operating procedures for initial data collection activities
-) Initiate development of a Quality Assurance Project Plan
-) Initiate field activities for Work Order 003 - Remote Sensing & Geophysics
-) Continue data gap evaluation process using GIS, cross-section tool, and W&C database
-) Prepare Work Orders as necessary to address collection of additional field data
-) Attend Quarterly Status Meeting in Boston, MA, and submit notes from this meeting to the Special Master and Litigants

SCHEDULE UPDATE AND FUTURE MEETINGS AND CONFERENCE CALLS

-) May 12, 2016 – Quarterly Status Meeting with Special Master and Litigants in Boston, MA

- J May 21, 2016 – Initiate field activities for Work Order 003 - Remote Sensing & Geophysics
- J June 22, 2016 – submit draft Field Sampling Plan and QAPP to Special Master and Litigants for review/comment
- J July 21, 2016, Quarterly Meeting with Special Master, Litigants, and Amec Foster Wheeler, Boston, MA
- J October 27, 2016, Quarterly Meeting with Special Master, Litigants, and Amec Foster Wheeler, Location TBD
- J 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 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)

**ATTACHMENT A – CASH FLOW PROJECTION
Penobscot River Estuary Phase III - Engineering Study**

Task Description	Authorized Funding (through 04/29/2016)	Proposal Price	Invoices				Cash Flow Projections						Estimated Total thru Oct 2016	% of Authorized Funding	% of Proposal Price
			Jan 2016 J02204585	Feb 2016 J02204737	Mar 2016 J02204862	Apr 2016 J02205018	May 2016	Jun 2016	Jul 2016	Aug 2016	Sep 2016	Oct 2016			
Task 1 - Problem Understanding and Existing Background Information	\$ 387,363	\$ 387,363	\$ 17,412	\$ 38,022	\$ 85,407	\$ 136,900	\$ 60,000	\$ 25,000	\$ 20,000	\$ 15,000	\$ 10,000	\$ -	\$ 407,740	105%	105%
Task 2 - Technologies and Remedial Approaches for Consideration	\$ 167,883	\$ 451,264	\$ -	\$ 460	\$ 3,110	\$ 20,231	\$ 30,000	\$ 30,000	\$ 30,000	\$ 25,000	\$ 25,000	\$ 40,000	\$ 203,801	121%	45%
Task 3 - Risk Reduction Evaluation	\$ 90,634	\$ 149,074	\$ -	\$ -	\$ 3,010	\$ 4,047	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,057	8%	5%
Task 4 - Potential Data Needs and Additional Field Work	\$ 345,919	\$ 1,386,126	\$ -	\$ 175	\$ 7,501	\$ 27,286	\$ 100,000	\$ 175,000	\$ 200,000	\$ 200,000	\$ 175,000	\$ 50,000	\$ 934,962	270%	67%
Task 5 - Phase III Engineering Study Report	\$ -	\$ 169,016	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0%	0%
Task 6 - Meetings/Communications	\$ 173,497	\$ 173,497	\$ 36,938	\$ 4,204	\$ 4,848	\$ 2,608	\$ 20,000	\$ 5,000	\$ 20,000	\$ 5,000	\$ 20,000	\$ 5,000	\$ 123,598	71%	71%
Totals:	\$ 1,165,296	\$ 2,716,340	\$ 54,349	\$ 42,861	\$ 103,875	\$ 191,072	\$ 210,000	\$ 235,000	\$ 270,000	\$ 245,000	\$ 230,000	\$ 95,000	\$ 1,677,156	0%	62%
Cumulative Total:			\$ 54,349	\$ 97,210	\$ 201,085	\$ 392,156	\$ 602,156	\$ 837,156	\$ 1,107,156	\$ 1,352,156	\$ 1,582,156	\$ 1,677,156			

Notes:
 Authorized Funding is the dollar value of awards to Amec Foster Wheeler through Work Order 003
 Task 4 estimated spending projections include an estimate of projected field work for which additional Work Orders will be submitted in May and June 2016