

April 15, 2016

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



**Subject: Monthly Status Report 03 for March 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 March 1, 2016 through March 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**

- 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)
- March 15, 2016 - Amec Foster Wheeler receives additional Ramboll Environ GIS files associated with the Phase II Report
- March 16, 2016 - Monthly Report and Invoice # J02204737 issued to Special Master
- March 17, 2016 - Submitted FOIA request to USACE New England District for historical Penobscot River navigational channel dredging projects
- March 30, 2016 - Rod Pendleton of Amec Foster Wheeler visits Winterport, Maine field office to meet owners of Winterport Marine and review field equipment stored in the office
- Technical progress made during the reporting period:
  - Continued review of sediment remediation technologies.
  - Evaluation of Woodard & Curran database continued – sediment and surface water data checked and verified.
  - 2008 USACE New England District navigation channel bathymetry data merged with NOAA bathymetry data to create a more accurate model of the river channel to be used in assessment of remedial alternatives.

**Correspondence:**  
Amec Foster Wheeler  
511 Congress Street, Suite 200  
Portland, Maine 04101  
Tel 207-775-5401  
Fax 207-772-4762

- Continued development of a 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.
- Developed 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 options continued, based on Amec Foster Wheeler evaluation of existing data set as well as input from Study Panel members (teleconferences in early March)
- Prepared Draft Work Orders 003 and 004 – Includes side-scan sonar for bathymetry, sub-bottom profiling for characterization of mobile sediment pool, and collection of sediment samples in mobile sediment pool for analysis of mercury, grain size, and TOC.
- Initiated development of written work plan and standard operating procedures for initial field investigation program.
- Developed Draft Health and Safety Plan for additional investigations anticipated in 2016.
- Reviewed value of LiDAR data collection for intertidal flats elevations and volume changes.

#### **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), 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
- Continue development of written work plan and standard operating procedures for initial field investigation program
- Continue data gap evaluation process using GIS and W&C database

#### **SCHEDULE UPDATE AND FUTURE MEETINGS AND CONFERENCE CALLS**

- April 1, 2016 – Teleconference call planned 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 Amec Foster Wheeler, Dianne Kopec and a Preti Flaherty representative.

- May 12, 2016, Quarterly Meeting with Special Master, Litigants, and Amec Foster Wheeler, 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.
- There are no significant changes to the original project schedule at this time.

## **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 3/25/2016)	Proposal Price	Invoices			Estimated Spending						Estimated Total thru Oct 2016	% of Authorized Funding	% of Proposal Price
			Jan 2016 J02204585	Feb 2016 J02204737	Mar 2016 J02204862	Apr 2016	May 2016	Jun 2016	Jul 2016	Aug 2016	Sep 2016			
Task 1 - Problem Understanding and Existing Background Information	\$ 387,363	\$ 387,363	\$ 17,412	\$ 38,022	\$ 85,407	\$ 90,000	\$ 75,000	\$ 30,000	\$ 20,000	\$ 15,000	\$ 10,000	\$ 380,840	98%	98%
Task 2 - Technologies and Remedial Approaches for Consideration	\$ 167,883	\$ 451,264	\$ -	\$ 460	\$ 3,110	\$ 15,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 168,570	100%	37%
Task 3 - Risk Reduction Evaluation	\$ 90,634	\$ 149,074	\$ -	\$ -	\$ 3,010	\$ 15,000	\$ 20,000	\$ 15,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 83,010	92%	56%
Task 4 - Potential Data Needs and Additional Field Work	\$ 109,340	\$ 1,386,126	\$ -	\$ 175	\$ 7,501	\$ 45,000	\$ 200,000	\$ 150,000	\$ 200,000	\$ 200,000	\$ 150,000	\$ 952,676	871%	69%
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	\$ 5,000	\$ 15,000	\$ 5,000	\$ 20,000	\$ 5,000	\$ 20,000	\$ 115,990	67%	67%
<b>Totals:</b>	<b>\$ 928,716</b>	<b>\$ 2,716,340</b>	<b>\$ 54,349</b>	<b>\$ 42,861</b>	<b>\$ 103,875</b>	<b>\$ 170,000</b>	<b>\$ 340,000</b>	<b>\$ 230,000</b>	<b>\$ 280,000</b>	<b>\$ 260,000</b>	<b>\$ 220,000</b>	<b>\$ 1,701,085</b>	0%	63%
<b>Cumulative Total:</b>			<b>\$ 54,349</b>	<b>\$ 97,210</b>	<b>\$ 201,085</b>	<b>\$ 371,085</b>	<b>\$ 711,085</b>	<b>\$ 941,085</b>	<b>\$ 1,221,085</b>	<b>\$ 1,481,085</b>	<b>\$ 1,701,085</b>			

Notes:

Authorized Funding is the dollar value of awards to Amec Foster Wheeler through Work Order 002

Task 4 estimated spending projections include an estimate of projected field work for which additional Work Orders will be submitted in April and May 2016