

February 17, 2017

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



**Subject: Monthly Status Report 13 for January 2017  
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 January 1, 2017 through January 31, 2017. A cash flow projection for the following 6-month period is also attached.

### **ACTIVITIES AND EVENTS DURING THE REPORTING PERIOD**

#### Task 1 - Understanding the Problem and Existing Background Information

- No activities were conducted under this task during the reporting period.
- All activities under this task are 100% complete and no further charges are anticipated.

#### Tasks 2/2A - Technologies and Remedial Approaches for Consideration

- *Work Order 2A-010 - Technology Screening Report: Report Revisions*
  - Revisions to the Technology Screening Report based on comments received from the Special Master/Litigants were continued in January 2017
  - The Final Technology Screening Report will be submitted to the Special Master/Litigants by February 24, 2017.
- *Work Order 2A-020 - Treatability/Pilot Studies: Scoping Memorandum*
  - Continued work on Treatability/Pilot Studies Scoping Memorandum
  - The Draft Treatability/Pilot Studies Scoping Memorandum will be submitted to the Special Master/Litigants by February 22, 2017.

#### Tasks 3/3A - Risk Reduction Evaluation

- *Work Order 3A-010 - BAFs/BSAFs, Biota Trending Analysis:*
  - January 5, 2017: Amec FW submitted responses to Mallinckrodt comments on WO 3A-010
  - February 8, 2017: Amec Foster Wheeler receives authorization for Work Order 3A-010

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

- *Work Order 3A-020 – Baseline Risk Assessments:*
  - January 5, 2017: Amec FW submitted responses to Mallinckrodt comments on WO 3A-020
  - January 30, 2017: Work Order 3A-020 authorization received by AmecFW

Tasks 4/4A - Potential Data Needs and Additional Field Work

- *Work Orders 003/003A - Mobile Sediment Pool Characterization:*
  - Final QC check of October 2016 Field Data Records performed
  - At the current time, the remaining scope of WOs 003/003A is expected to be completed within budget
- *Work Order 004 - 2016 Sediment and Water Quality Monitoring:*
  - Continued development of the Draft 2016 Sediment and Water Quality Monitoring Report, scheduled for submittal to Special Master/Litigants by March 2, 2017
  - At the current time, the remaining scope of WO 004 is expected to be completed within budget
- *Work Order 005 - 2016 Biota Monitoring:*
  - Data validation of 2016 biota data, with the exception of black duck, 100% complete
  - January 30, 2017: Amec Foster Wheeler submitted a letter to the Maine Department of Inland Fisheries and Wildlife reporting on the collection of biota under the 2016 Scientific Collection Permit
  - January 30, 2017 status of black duck monitoring:
    - South Verona: 4/5 breast tissue, 4/15 blood
    - Frenchman's Bay: 5/5 breast tissue, 10/15 blood
    - Mendall Marsh: 5/5 breast tissue, 15/15 blood
  - January 31, 2017: Work Order 005A – Black Duck Monitoring Addendum submitted to Special Master/Litigants
  - At the current time, the remaining scope of WO 005 is expected to be completed within budget, pending approval of WO 005A
- *Work Order 007 - 2015 ME DMR Lobster Analyses:*
  - No further activities are planned under this WO
- *Work Order 4A-010 - Analytical Methods Evaluation and OC Study (formerly Work Order 012):*
  - December 29, 2016: Work Order 4A-010 authorization received by AmecFW
  - Work initiated on Task 1 – Analytical Methods Development and Comparison Study
- *Work Order 4A-020 - Analyses/Evaluation of WO 003A Samples:*
  - January 19, 2017: AmecFW received authorization for Tasks 1-6 of WO 4A-020
  - Draft SOP for Wood Waste Sampling prepared

Task 5 - Phase III Engineering Study Report

- No activity during the reporting period

Tasks 6A – Meetings/Communications

- Prepared for and attended January 19, 2017 Quarterly Project Status Meeting with Special Master/Litigants in Boston, MA
- January 19, 2017: Amec Foster Wheeler submitted Invoice # J02206114 and Monthly Report for the month of December 2016 to the Special Master/Litigants
- January 30, 2017: Amec Foster Wheeler submitted January 19, 2017 Quarterly Project Status Meeting notes and slide deck to Special Master/Litigants
- Project schedule has been updated to include more detail on work order preparation, review, and award, as well as additional detail on deliverables and review period, and is submitted with this monthly report as an attachment

Task 7 – Community Involvement

- *Work Order 006 - Community Involvement:*
  - Continued development of website

**PROPOSED ACTIVITIES FOR THE FOLLOWING PERIOD**

Task 1 - Understanding the Problem and Existing Background Information

- No further activity planned under this task

Tasks 2/2A - Technologies and Remedial Approaches for Consideration

- *Work Order 2A-010 - Technology Screening Report: Report Revision*
  - Continue revisions to Draft Technology Screening Report based on comments from Litigants; Final Report to be submitted to the Special Master/Litigants by February 24, 2017
- *Work Order 2A-020 - Treatability/Pilot Studies: Scoping Memorandum*
  - Draft Treatability/Pilot Studies Scoping Memorandum to be submitted to the Special Master/Litigants by February 22, 2017
- Initiate Preparation of *Work Order 2A-030: Phase 1 Bench-Scale & Phase 2 Pilot Studies Work Plans*
- Initiate Preparation of *Work Order 2A-040: Bench-Scale/Pilot Studies - Permitting*
- Initiate Preparation of *Work Order 2A-080: Alternatives Evaluation*
- Initiate Preparation of *Work Order 2A-100: Recovery Times & Sediment(Hg) Transport*

Task 3 - Risk Reduction Evaluation

- *Work Order 3A-010 - Trend Analyses, BSAFs, PRGs:*
  - Initiate tasks under Work Order
- *Work Order 3A-020 – Baseline Risk Assessments:*
  - Initiate tasks under Work Order



Task 4 - Potential Data Needs and Additional Field Work

- *Work Orders 003/003A - Mobile Sediment Pool Characterization:*
  - Enter missing coordinate data for sediment sample locations into project database
- *Work Order 004 – 2016 Sediment and Water Quality Monitoring:*
  - Submit Draft 2016 Sediment and Water Quality Monitoring Report to the Special Master/Litigants (March 2017)
- *Work Order 005 – 2016 Biota Monitoring:*
  - Complete black duck monitoring at South Verona
  - Initiate laboratory analysis of black duck blood and tissue
  - Continue development of the 2016 Biota Monitoring Report
  - Submit permit application to ME DIFW for 2017 fish collection
  - Submit updated project database including validated 2016 biota monitoring data to the project SharePoint site
- *Work Order 4A-010 - Analytical Methods Evaluation and OC Study (formerly Work Order 012):*
  - Continue Task 1 - Analytical Methods Development and Comparison Study
  - Initiate Task 2 - Organic Content Study
- *Work Order 4A-020 - Analyses/Evaluation of WO 003A Samples:*
  - Mobilize to field office to prepare for sample processing
  - Initiate sample processing of sediment samples collected in October 2016

Task 5 - Phase III Engineering Study Report

- No activities planned for the upcoming reporting period

Task 6A – Meetings/Communications

- Prepare and submit invoice, monthly report, cash flow projection, and updated project schedule for January 2017 to the Special Master/Litigants by February 16, 2017
- Prepare for Monthly Project Status call on March 2, 2017
- Begin preparations for April 24, 2017 meeting in Boston, MA with PRMS Study Panel members
- Continue updates to project schedule as necessary

Task 7 – Community Involvement

- Provide link to revised draft website (password-protected) for Special Master/Litigant review of format and content

**FUTURE MEETINGS, AND CONFERENCE CALLS**

- Monthly Project Status Calls will be held from 2-3PM (Eastern time) on the following dates:

Monthly Status Report 13 for January 2017  
Penobscot River Estuary Phase III - Engineering Study

- March 3, 2017
- March 30, 2017
- May 2017 (TBD)
- June 2017 (TBD)
- Quarterly Status Meetings with the Special Master and Litigants will be held in Boston, MA on the following dates:
  - April 25, 2017
  - July 20, 2017
- Meeting with members of the Phase II Study Panel
  - April 24, 2017

**ISSUES AND PROBLEMS IDENTIFIED DURING THE REPORTING PERIOD**

- Delays in execution of some Work Orders has delayed execution of some project tasks. The overall project schedule has not been impacted at this point.

**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.

**PROJECT SCHEDULE**

Please refer to Attachment B for the updated Amec Foster Wheeler project schedule.

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  
Attachment B - Project Schedule (v\_16Feb2017)

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