

January 18, 2016

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



**Subject: Monthly Status Report 12 for December 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 December 1, 2016 through December 31, 2016. The monthly report has been re-formatted to include more detailed descriptions of activities performed by Task during the reporting period, as well as proposed activities by Task for the following period. 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 initiated in December 2016
 - Submission of the Final Technology Screening Report to the Special Master/Litigants is on schedule for February 7, 2016
- *Work Order 2A-020 - Treatability/Pilot Studies: Scoping*
 - Initiated work on Treatability/Pilot Studies Scoping Memorandum
 - Submission of the Draft Treatability/Pilot Studies Scoping Memorandum to the Special Master/Litigants is on schedule for January 25, 2016

Tasks 3/3A - Risk Reduction Evaluation

- Reviewed Litigant comments on biota trending analyses, received November 23, 2016, and discussed implications to proposed Amec Foster Wheeler technical approach
- *Work Order 3A-010 - Trend Analyses, BSAFs, PRGs:*
 - December 12, 2016: Work Order submitted to Special Master/Litigants
 - December 19, 2016: Comments on WO received from Mallinckrodt
 - Amec FW prepares responses to Mallinckrodt comments on WO
- *Work Order 3A-020 – Baseline Risk Assessments:*

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- December 12, 2016: Work Order submitted to Special Master/Litigants
- December 19, 2016: Comments on WO received from Mallinckrodt
- Amec FW prepares responses to Mallinckrodt comments on WO

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

- *Work Orders 003/003A - Mobile Sediment Pool Characterization:*
 - Amec FW finalized field data records and uploaded sample coordinates to the project database
 - 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:*
 - Submitted updated project database including validated 2016 water quality monitoring and sediment data to the project SharePoint site on December 2, 2016 for the Litigants
 - Initiated development of the Draft 2016 Sediment and Water Quality Monitoring Report
 - 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 >75% completed
 - December 1, 2016: Amec FW received comments from NRDC and Mallinckrodt on the Revised Biota Monitoring Plan
 - December 14, 2016: Amec FW submitted via email to the Special Master/Litigants a summary table of the mean, the median, and the percent exceeding 200 ng/g mercury in 2014 and 2015 lobster samples; also included in the mail was a response to the Special Master/Litigants regarding the Revised Biota Monitoring Plan comment regarding black duck sampling
 - December 19, 2016: Amec FW received email comments from NRDC on the 2014 and 2015 lobster data; comments to be addressed at the January 19, 2017 Quarterly Project Status Meeting
 - At the current time, the remaining scope of WO 005 is expected to be completed within budget; however, the availability of black ducks for sampling in January 2017 may impact schedule and funding requirements
- *Work Order 007 - 2015 ME DMR Lobster Analyses:*
 - Submitted Data Package containing technical memorandum and electronic analytical data for the 2015 ME DMR Lobster and Crab sample analyses to the Special Master, Litigants, and Dr. Carl Wilson at the ME DMR on December 2, 2016.
 - The charges to this task on Amec FW invoice J02206114 represent the final billings associated with the scope of work under Work Order 007, and the task is now considered to be 100% complete
- *Work Order 4A-010 - Analytical Methods Evaluation and OC Study (formerly Work Order 012):*
 - December 1, 2016: Work Order 4A-010 submitted to Special Master/Litigants
 - December 2, 2016: NRDC email received approving of Work Order 4A-010

- December 7, 2016: Amec FW receives Mallinckrodt comments on the WO
- December 21, 2016: Amec FW submits responses to Mallinckrodt comments on WO
- *Work Order 4A-020 - Analyses/Evaluation of WO 003A Samples:*
 - December 20, 2016: Amec FW submits WO 4A-020 to Special Master/Litigants
 - December 29, 2016: Amec FW receives comments from NRDC on WO 4A-020
 - December 30, 2016: Amec FW submits responses to NRDC comments on WO 4A-020

Task 5 - Phase III Engineering Study Report

- No activity during the reporting period

Tasks 6A – Meetings/Communications

- Prepared for and attended December 15, 2016 Monthly Project Status Call with Special Master and Litigants
- December 12, 2016: Responded to NRDC comments (received November 19, 2016) on the November 16, 2016 version of the project schedule
- December 13, 2016: Received Mallinckrodt comments on the project schedule submitted to Special Master and Litigants on November 16, 2016
- December 14, 2016: Amec Foster Wheeler submitted Invoice # J02205983 and Monthly Report for the month of November 2016 to the Special Master/Litigants
- December 19, 2016: Prepared and submitted meeting minutes from the December 15, 2016 Monthly Project Status Call to the 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 periods.

Task 7 – Community Involvement

- *Work Order 006 - Community Involvement:*
 - Received comments from NRDC on website content December 1, 2016
 - Developed Penobscot River area map for website content

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*
 - Initiate revisions to Draft Technology Screening Report based on comments from Litigants; Final Report due to Special Master/Litigants by February 3, 2017

- *Work Order 2A-020 - Treatability/Pilot Studies: Scoping*
 - Submit Draft Treatability/Pilot Studies Scoping Memorandum to Special Master/Litigants by January 25, 2017
- Prepare draft *Work Order 2A-100 - Recovery Times & Sediment(Hg) Transport*

Task 3 - Risk Reduction Evaluation

- *Work Order 3A-010 - Trend Analyses, BSAFs, PRGs:*
 - Submit responses to Mallinckrodt's December 19, 2016 comments on the WO
 - Pending authorization of funding, initiate tasks under work order
- *Work Order 3A-020 – Baseline Risk Assessments:*
 - Submit responses to Mallinckrodt's December 19, 2016 comments on the WO
 - Pending authorization of funding, initiate tasks under work order

Task 4 - Potential Data Needs and Additional Field Work

- *Work Orders 003/003A - Mobile Sediment Pool Characterization:*
 - Finalize field data records
- *Work Order 004 – 2016 Sediment and Water Quality Monitoring:*
 - Continue development of 2016 Sediment and Water Quality Monitoring Report, due as a draft to the Special Master/Litigants by February 22, 2016
 - Process remaining subcontractor invoices
- *Work Order 005 – 2016 Biota Monitoring:*
 - Continue data validation of remaining 2016 biota monitoring analytical data; anticipated to be completed in early January 2017
 - Initiate development of the 2016 Biota Monitoring Report
 - Conduct black duck sampling in January 2017; coordinate with ME DIFW
 - Submit updated project database including validated 2016 biota monitoring data to the project SharePoint site
- *Work Order 007 - 2015 ME DMR Lobster Analyses:*
 - No further activities are planned under this Work Order
- *Work Order 4A-010 - Analytical Methods Evaluation and OC Study (formerly Work Order 012):*
 - Pending authorization of funding, initiate tasks under WO
- *Work Order 4A-020 - Analyses/Evaluation of WO 003A Samples:*
 - Pending authorization of funding, initiate tasks under work order

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 January 17, 2016
- Prepare for and attend Quarterly Project Status Meeting to be held in Boston, MA on January 19, 2017
- Prepare and submit meeting minutes from January 19, 2017 Quarterly Project Status Meeting

Task 7 – Community Involvement

- Develop hosting website, incorporating comments from the Litigants, and provide link to revised draft website (password-protected) for Special Master/Litigant review of format and content

SCHEDULE UPDATE, FUTURE MEETINGS, AND CONFERENCE CALLS

- Monthly Project Status Calls will be held from 2-3PM (Eastern time) on the following dates:
 - February 2017 (TBD)
 - March 2017 (TBD)
 - 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:
 - January 19, 2017
 - April 27, 2017
 - July 20, 2017

ISSUES AND PROBLEMS IDENTIFIED DURING THE REPORTING PERIOD

- None identified

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)