

February 21, 2018

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



**Subject: Monthly Status Report 25 for January 2018
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, 2018 through January 31, 2018. A cash flow projection through June 2018 is also attached.

ACTIVITIES AND EVENTS DURING THE REPORTING PERIOD

Task 2A - Technologies and Remedial Approaches for Consideration

- *Work Order 2A-040A - Permitting Support for Alternatives Evaluation:*
 - Permits research in support of AER
- *Work Order 2A-051 - Leachability/Toxicity Testing:*
 - Reviewed subcontractor leachability and toxicity testing reports
- *Work Order 2A-053 - Dewatering / Flocculant Testing / Water Treatment:*
 - Reviewed subcontractor dewatering / flocculant testing / water treatment testing results
- *Work Order 2A-054 - Sediment Erosion and Transport Testing:*
 - Reviewed US Army's Environmental Research and Development Center report summarizing the Sedflume testing conducted in late September 2017
- *Work Order 2A-055 – Amendment Test Plot Re-sampling:*
 - Reviewed Dr. Cindy Gilmour's report on Amendment Test Plot Re-sampling
- *Work Order 2A-080 – Alternatives Evaluation Report:*
 - Development of Alternatives Analysis Report continued in January 2018
- *Work Order 2A-100 – Hydrodynamic Evaluation*
 - Majority of billing for January was for payment of USGS invoices for tide and acoustic doppler profile data collection and reporting

Tasks 3/3A - Risk Reduction Evaluation

- *Work Order 3A-010 - BAFs/BSAFs, Biota Trending Analysis:*
 - No activity this reporting period

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- *Work Order 3A-020 – Baseline Risk Assessments:*
 - Work on baseline risk assessments continued in January 2018

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

- *Work Order 4A-010 - Analytical Methods Evaluation and OC Study (formerly Work Order 012):*
 - Incorporate methyl mercury data into the Analytical Methods Comparison Technical Memorandum
 - Analysis of Lignin Oxidation Products in Sediments technical memorandum drafted and submitted for peer review
 - Continued development and refinement of the Conceptual Site Model for the project
- *Work Order 4A-030 – 2017 Marsh Platform Sediment Characterization:*
 - January 26, 2018: Comments received from NRDC and Mallinckrodt on Draft 2017 Marsh Platform and Intertidal Sediment Characterization Technical Memorandum
- *Work Order 4A-040 – 2017 Sediment and Water Quality Monitoring:*
 - January 26, 2018: Comments received from NRDC and Mallinckrodt on Draft 2017 Sediment and Water Quality Monitoring Report submitted to the Special Master/Litigants
- *Work Order 4A-050 – 2017 Biota Monitoring:*
 - Development of Draft 2017 Biota Monitoring Report ongoing
 - Black duck blood collection conducted at Mendall Marsh, Verona southeast, and Frenchman's Bay between January 29 and February 2, 2018
- *Work Order 4A-060 – 2017 Additional Mobile Pool Characterization:*
 - January 11, 2018: Draft 2017 Additional Mobile Sediment Characterization Technical Memorandum submitted to the Special Master and Litigants
- *Work Order 4A-070 – 2017 Intertidal and Subtidal Sediment Characterization:*
 - Sediment sample analyses and data validation completed
 - Preparation of the Draft 2017 Intertidal and Subtidal Sediment Characterization Report continued in January 2018
- *Work Order 4A-080 – Thin-Interval Core Sampling:*
 - Chemical and radiological analyses of processed sediment cores and data validation completed
 - Preparation of the Draft 2017 Thin-Interval Core Sampling Report was initiated
- *Work Order 2A-100 - Hydrodynamic Evaluation:*
 - Awaiting comments due February 9, 2018 on the Draft Hydrodynamic Simulation Report from the Special Master/Litigants

Tasks 5A – Phase III Engineering Study Report

- *Work Order 5A-010 - Phase III Engineering Study Report*
 - No activities were conducted under this work order during the reporting period

Tasks 6A – Meetings/Communications

- *Work Orders 6A-010/6A-020 - Meetings/Reporting:*
 - January 21, 2018: Amec Foster Wheeler submitted the Monthly Report and Invoice #J02207673 for the month of December 2017 to the Special Master/Litigants

- January 23, 2018: Amec Foster Wheeler met with ME DEP to discuss status of Phase III Engineering Study
- January 26, 2018: Amec Foster Wheeler attended Quarterly Project Status Meeting in Boston, MA with submitted the Special Master and Litigants

Task 7/7A – Community Involvement

- *Work Orders 006/7A-010 - Community Involvement:*
 - Updated the website document repository to include the most recent monthly reports

PROPOSED ACTIVITES FOR THE FOLLOWING PERIOD

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

- *Work Order 2A-040A - Permitting Support for Alternatives Evaluation:*
 - Continue permitting support for Alternatives Evaluation
- *Work Order 2A-051 - Leachability/Toxicity Testing:*
 - Incorporate leachability and toxicity testing results into AER
- *Work Order 2A-053 - Dewatering / Flocculant Testing / Water Treatment:*
 - Incorporate dewatering, flocculant, and water treatment testing results into AER
- *Work Order 2A-054 - Sediment Erosion and Transport Testing:*
 - Incorporate Sedflume testing results into AER
- *Work Order 2A-055 – Amendment Test Plot Re-sampling:*
 - Incorporate results of Amendment Plot re-sampling Study into AER
- *Work Order 2A-080 - Alternatives Evaluation:*
 - Continue development of remedial alternatives and preparation of Draft Alternatives Evaluation Report
- *Work Order 2A-100 - Hydrodynamic Evaluation:*
 - Awaiting comments from the Special Master/Litigants on the Draft Hydrodynamic Simulation Report

Task 3 - Risk Reduction Evaluation

- *Work Order 3A-010 – BAFs/BSAFs, Biota Trend Analyses:*
 - Limited activities anticipated under this task
- *Work Order 3A-020 – Baseline Risk Assessments:*
 - Submit Draft Baseline Risk Assessment Report to Special Master and Litigants

Task 4 - Potential Data Needs and Additional Field Work

- *Work Order 4A-010 - Analytical Methods Evaluation and OC Study (formerly Work Order 012):*
 - Continue to refine and update the CSM
- *Work Order 4A-030 - Additional Marsh Platform Characterization:*
 - Review comments from the Litigants on the Draft 2017 Marsh Platform Characterization Technical Memorandum
 - Revise and re-issue Technical Memorandum

- *Work Order 4A-040 - 2017 Sediment & Water Quality Monitoring:*
 - Review comments from the Litigants on the Draft 2017 Sediment & Water Quality Monitoring Report
 - Revise and re-issue Final 2017 Sediment & Water Quality Monitoring Report
- *Work Order 4A-050 - 2017 Biota Monitoring:*
 - Submit Draft 2017 Biota Monitoring Report
- *Work Order 4A-060 - Additional Mobile Pool Characterization:*
 - Awaiting comments from the Special Master/Litigants on the Draft 2017 Additional Mobile Sediment Characterization Report
- *Work Order 4A-070 - Additional Intertidal and Subtidal Sediment Characterization:*
 - Submit Draft 2017 Intertidal and Subtidal Sediment Characterization Report
- *Work Order 4A-080 - Thin-Interval Core Sampling:*
 - complete preparation of Draft 2017 Thin-Interval Core Sampling Report and submit to Special Master/Litigants

Task 6A – Meetings/Communications

- *Work Orders 6A-010/6A-020 - Meetings/Reporting:*
 - Prepare and submit monthly report, cash flow projection, and updated project schedule for January 2018 to the Special Master/Litigants
 - Prepare for Monthly Project Status Call on March 7, 2018

Task 7/7A – Community Involvement

- *Work Orders 006/7A-010 - Community Involvement:*
 - Awaiting comments from the Special Master/Litigants on the Draft Communication and Community Involvement Plan to Special Master/Litigants
 - Monitor incoming messages from interested parties regarding the website content
 - Follow-up by phone or email with interested parties

FUTURE MEETINGS AND CONFERENCE CALLS

- March 7, 2018: 2P-4P Monthly Project Status Call
- April 16, 2018: Quarterly Project Status Meeting, Portland or Boston

CASH FLOW PROJECTION

Please refer to Attachment A for the Amec Foster Wheeler financial status summary and cash flow projection through June 30, 2018.

PROJECT DELIVERABLES SCHEDULE

The schedule below provides an overview of project deliverable dates:

Monthly Status Report 25 for January 2018
 Penobscot River Estuary Phase III - Engineering Study

Work Order	Deliverable	Draft to SM/Litigants	Comments Due from Litigants	Final to SM/Litigants
004	2016 Sediment and Surface Water Monitoring Report	3/28/2017		9/12/2017
005	2016 Biota Monitoring Report	5/28/2017		8/30/2017
3A-010	Technical Memorandum - BSAFs	7/12/2017		9/15/2017
4A-020	2016 Mobile Sediment Characterization Report	7/12/2017	N/A	N/A
4A-010	Technical Memorandum - Analytical Methods Evaluation	9/15/2017	N/A	N/A
4A-030	Technical Memorandum - 2017 Marsh Platform Characterization	12/11/2017	1/26/2018	N/A
4A-040	2017 Sediment and Surface Water Monitoring Report	12/15/2017	1/26/2018	3/13/2018
7A-010	Community Involvement Plan	12/14/2017	2/2/2018	3/15/2018
2A-100	Hydrodynamic Model Report	12/22/2017	2/9/2018	N/A
4A-060	Technical Memorandum - 2017 Additional Mobile Sediment Characterization	1/11/2018	3/2/2018	N/A
4A-070	Technical Memorandum - 2017 Intertidal & Subtidal Sediment Characterization	2/2/2018	3/21/2018	N/A
3A-020	Risk Assessment Report	2/9/2018	3/30/2018	5/10/2018
4A-050	2017 Biota Monitoring Report (w/out Black Duck data)	2/16/2018	4/5/2018	5/17/2018
4A-080	Thin-Interval Sampling (Geochron Core) Report	2/28/2018	4/13/2018	N/A
2A-080	Alternatives Evaluation Report	3/15/2018	5/3/2018	6/13/2018
3A-020	Risk Reduction Report	3/15/2018	5/3/2018	6/13/2018
5A-010	Phase III Engineering Study Report	3/31/2018	5/15/2018	6/29/2018

Shaded dates indicate actual completion dates

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)