

Work Order	2A-034 <i>Sediment Erosion and Transport Testing</i>
MALLINCKRODT US LLC	Project Name: Penobscot River Phase III Engineering Study Project Number: 3616166052
<p>This Work Order (“Work Order”), when approved and signed by both parties, is issued under and amends that certain Agreement between the parties executed February 2, 2016 (“Agreement”). Except as expressly modified herein, all terms and conditions of the Agreement remain in full force and effect.</p>	
<p>SCOPE OF SERVICES</p> <p>Amec Foster Wheeler shall perform the following services (“Services”):</p> <p><input type="checkbox"/> As set forth in the attached document entitled (Insert document description here).</p> <p><input checked="" type="checkbox"/> As described as follows:</p> <p>Amec Foster Wheeler will perform the following Services related to sediment erosion and transport testing that will be performed as part of treatability studies under this Work Order (WO 2A-034). The elements of this Work Order consist of sample collection, analytical testing, and reporting on the results of the testing. Amec Foster Wheeler will subcontract with The U.S. Army Engineer Research and Development Center - Coastal and Hydraulics Laboratory (ERDC-CHL) to perform the testing. The Sediment Erosion and Transport Testing Scope of Work describes the SedFlume testing of sediments collected from the river.</p> <p>BACKGROUND AND PURPOSE</p> <p>Sediment erosion and transport testing is one of several treatability studies and constructability evaluations that are being conducted to provide additional information for the evaluation of remedial alternatives. The overall objectives of the sediment erosion and transport testing are to collect and analyze data to assess the erodibility of sediments in various locations in the river. This information will be used to better understand whether areas are stable or erodible and to assist in the evaluation of remedial alternatives in the Alternatives Evaluation Report.</p> <p>WORK ORDER TASKS</p> <p>The tasks below are described in the Sediment Erosion and Transport Testing Work Plan (July 2017):</p> <ul style="list-style-type: none"> • <u>Task 1 – Sample Collection</u>: Sediment sample collection procedures. • <u>Task 2 – Analytical Testing</u>: Sediment testing procedures. • <u>Task 3 – Reporting</u>: Data evaluation result reporting procedures. <p>SCHEDULE</p> <p>The sample collection and SedFlume testing field work will be conducted by ERDC-CHL the week of August 28, 2017.</p> <p>ASSUMPTIONS</p> <p>Amec Foster Wheeler will present the results of the testing in a Draft Technical Memorandum that will be submitted to the Court/Litigants for review on October 15, 2017. Final version will be included as an appendix to the Alternatives Evaluation Report.</p> <p>COMPENSATION</p> <p>The Estimated Not-to-Exceed Cost for the Services is provided in the table below.</p>	



ESTIMATED WORK ORDER WO 2A-034 PRICE							
TASK NUMBER & DESCRIPTION	Total Labor Hours	Labor Price	ODCs	Travel	Subs	Equip/Supplies	TOTAL
Task 1 - Sample Collection							
Task 2 – Analytical Testing							
Task 3 - Reporting							
WORK ORDER TOTALS							

By their signatures below, the parties acknowledge that they shall be bound by the terms of this Work Order, including the attachments hereto, and that the undersigned are authorized to enter into this Work Order.

MALLINCKRODT US LLC

Date: 8/14/17

By: *Patricia H Duft*
 (Signature)

Name: Patricia H Duft
 (Printed Name)

Title: Vice President

Amec Foster Wheeler Environment & Infrastructure, Inc.:

Date: July 19, 2017

By: *Nelson Walter*
 (Signature)

Name: Nelson Walter
 (Printed Name)

Title: Vice President

8/14/2017 approved. *Don Colquhoun*
Special Master