



December 23, 2013

Mr. Joseph T. Martella II, Senior Engineer  
RIDEM Office of Waste Management  
Site Remediation Program  
235 Promenade Street  
Providence, RI 02908

**RE: Mashapaug Inner Cove Pre-Design Sediment Sampling Work Plan  
Former Gorham Manufacturing Facility  
333 Adelaide Avenue, Providence, Rhode Island  
AMEC Project No. 3652120001**

Dear Mr. Martella:

On behalf of Textron, Inc., this letter presents the scope of work AMEC Environment & Infrastructure (AMEC), has planned for the collection of sediment samples from Mashapaug Cove portion of Parcel C-1 of the Former Gorham Manufacturing Facility site (the Site). Sediment samples will be collected from the Mashapaug Inner Cove (Figure 1). The objective of this pre-design sampling program is to:

- supplement the existing data and further characterize the physical properties for the top two (2) feet of sediment proposed for removal in the Draft Site Investigation Report, dated November 2013;
- confirm the ability to anchor a temporary barrier wall into the subsurface and construct an access road into the Inner Cove for equipment to remove the sediment; and
- evaluate the leaching potential of the dewatered sediment for placement on the Phase III upland area (former Carriage House).

#### **SCOPE OF WORK**

AMEC will conduct pre-design sediment sampling at locations within the Inner Cove (Figure 1). Sediment samples will be collected using a barge mounted vibracore rig, and sample locations will be logged using global positioning system (GPS). Sediment cores will be collected to a depth of 2 feet below the sediment surface. The sediment core will be logged and photographed and a sediment sample collected from the 0 to 2 foot interval. Sediment samples will be sent to the laboratory for analysis including total organic carbon (TOC), grain size, Priority Pollutant (PP13) metals, and synthetic precipitation leaching procedure (SPLP) of PP13 metals. Sufficient sediment volume will be collected to satisfy the volume requirements for each analysis. Three sediment samples will also be collected from the 2 to 8 foot depth for grain size analysis only. Most of these samples are being co-located with prior sample points and will complete the physical characteristics of the Inner Cove at the intervals of 0 to 2 feet and 2 to 8 feet below the top of sediment.

## REPORTING

The results of the pre-design sediment sampling and analysis will be incorporated into the Draft Remedial Action Work Plan (RAWP) that will be developed for the Parcel C-1 Phase II and Phase III Areas and Parcel C.

## PROPOSED SCHEDULE

Textron has scheduled field activities for this sediment sampling event for January 3, 2014 in order to complete this before the Inner Cove freezes over for the winter. This work will be completed in one day. AMEC will mail written notification of this proposed work to the stakeholders. The notification will be issued in both English and Spanish.

We look forward to working with RIDEM on the implementation and results of this sediment sampling event. Feel free to contact either Dave Heislein at (978) 396-5327 or Greg Simpson of Textron at (401) 457-2635 with any questions.

Sincerely,  
**AMEC Environment & Infrastructure**



David E. Heislein  
Principal Engineer



Michael J. Murphy  
Principal Scientist

Attachments: Figure 1 Proposed Sediment Sampling Locations

cc: B. Azar, City of Providence  
Amelia Rose, Environmental Justice League  
G. Simpson, Textron, Inc.  
J. Schiff, Textron, Inc.  
Knight Memorial Library Repository  
AMEC Project File [M:\GORHAM Files\d31223wp.docx]