

October 10, 2014

Dave Scheer
MPCA
520 Lafayette Avenue North
St. Paul, MN 55115

**RE: George's Used Equipment
Supplemental Investigation Work Plan**
UMore Park OU2 and OU3
Rosemount, MN
Bay West Proposal #P140651

Dear Mr. Scheer:

Bay West LLC is pleased to submit this work plan (WP) for conducting a supplemental investigation at the George's Used Equipment Operable Unit (OU) 2 and OU3 in the University of Minnesota (U of M) UMore Park, in Rosemount, MN (the Site). This proposal presents the project approach, the scope of work, and schedule for completing the work.

1.0 Introduction

Recent excavation activities completed at the Site by Bay West revealed PCB concentrations in soil exceeding 50 milligrams per kilogram (mg/kg) to the east of the George's Used Equipment building pad in sample location 716A-SS37 and in the previous sample collected at 716A-SS13. The presence of elevated polychlorinated biphenyls (PCBs) in this portion of the Site suggested that additional soil delineation both vertically and horizontally may be warranted.

The U of M has requested that Bay West prepare this work plan to complete the delineation of PCBs in soil at the Site. Bay West is proposing eighteen soil borings based on analytical results for sidewall and bottom samples collected from a soil excavation recently completed at the Site by Bay West. Soil borings will be completed to a minimum of 4 feet below ground surface (bgs) with soil samples collected at intervals of 0-2' and 2-4' for laboratory analysis of PCBs. Information obtained during this supplemental investigation will be used delineate the extent and magnitude of PCB contamination in soil and scope a potential removal action.

2.0 Scope of Work

Bay West has defined the following scope based on information provided by the U of M in email correspondence dated 9/12/14:

- Amend current Health and Safety Plan, as required by OSHA.
- Conduct a utility meet with public utility locators to verify if the proposed locations are acceptable.
- Complete 18 soil borings at the Site utilizing direct-push drilling technology. The samples will be analyzed on a 48-hour rush turn-around-time. In the event additional

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step-out sampling is required to further define the area to the east of the pad, Bay West is prepared to immediately return to the Site to collect additional samples.

- Soil borings will be advanced at the proposed locations shown on **Figure 1** to an approximate depth of 4 feet bgs.
 - Record soil boring locations with a sub-meter global positioning system (GPS) unit.
 - Characterize and document on soil boring logs the soil lithology in each soil boring in accordance with the Unified Soil Classification System (USCS). Indications of soil contamination (odors, staining, sheens, etc) will be noted. Soil will be continuously head-space screened for organic vapors using a photo-ionization detector (PID) unit equipped with 10.6 eV lamp.
 - Soil sample collection will be completed using surface soil sampling methods consistent with those described in the previously approved Sampling and Analysis Plan, Remedial Investigation, UMore East, Dakota County, Minnesota. The surface soil sampling method will include removing and placing aside the surface vegetation and rooting zone (if present). Each surface soil sample will be collected beneath the rooting zone, from 0 to 2 feet bgs and 2 to 4 feet bgs. Soil will be excavated with hand tools, placed in a stainless steel bowl, and homogenized prior to sample containerization. After the soil samples have been collected, the remaining soil and the vegetation and rooting zone soils (if present) will be replaced. All equipment used for surface soil sampling will be decontaminated using an Alconox wash and potable water rinse between each sample location.
 - Composite soil samples will be collected from each soil boring at 0 to 2 feet bgs and 2 to 4 feet bgs. Soils exhibiting visual staining or olfactory evidence of contamination will be sampled and analyzed as discrete samples. Soil samples will be submitted for laboratory analysis of PCBs using EPA Method 8082A.
 - Soil sample analysis will be completed as outlined in the Quality Assurance Project Plan approved by the MPCA on June 17, 2011.
 - Following the collection of soil samples, each boring will be sealed in accordance with applicable well/boring codes and restored to resemble the surrounding grade.
- Complete a draft Supplemental Investigation Report, which will present the results of the soil sampling at the Site by November 5, 2014. If additional sampling is recommended, subsequent sampling methodology will be discussed with the MPCA prior to performing additional work and a new work plan will be submitted within 30 days.

3.0 Project Team, Data Management, and Invoicing

Bay West's project management and team for providing the services described in this proposal are listed in the below table; other professional and support staff will be utilized as needed.

Bay West Staff Member	Project Responsibilities	Billing Classification
Bill Lazarz	Project Manager	Project Manager
Rick Van Allen, PG	Backup Project Manager	Project Manager

Bay West Staff Member	Project Responsibilities	Billing Classification
Donovan Hannu, PE	Technical Resource	Project Manager

Bay West's project manager, Mr. Lazarz, will oversee health and safety plan preparation, coordination of fieldwork activities, project data and report preparation, and project communication with the U of M.

4.0 Schedule

Bay West anticipates that the environmental services described in the scope of work will be started immediately upon receipt of your written authorization to proceed. Soil sampling is currently scheduled for the week of October 13, 2014. The draft Supplemental Investigation Report will be submitted to the MPCA by November 5, 2014.

Thank you for the opportunity to submit this proposal. Bay West has been in the industrial and environmental contracting and consulting field for 40 years. We feel confident that our level of expertise can provide the University of Minnesota with high quality, cost-effective, and professional environmental services for this project. If you have any additional questions or concerns, please contact Bill Lazarz using the contact information provided below.

Sincerely,



Paul Raymaker, PG
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William Lazarz
Environmental Services Group Manager
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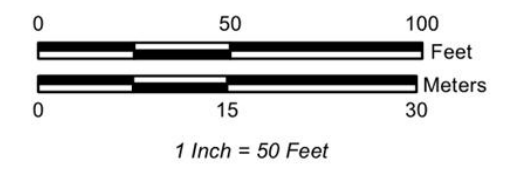


Figure 1 Proposed Soil Boring Location Map

University of Minnesota -
Facilities Management
Minneapolis, MN



Map Projection: NAD 1983 UTM Zone 15 N
Basemap: Microsoft Bing WMS



- Sample Location
- Proposed Soil Boring Location
- ▨ Prior Excavation Extent
- ▭ Excavation Extent
- 25' x 25' Sampling Grid

