

June 12, 2020

Project B1903316.00

Josh Leable
Project Manager, Incident Response Unit
Minnesota Department of Agriculture
625 Robert Street
St. Paul, MN 55155

RE: Remedial Investigation Work Plan Addendum
Former Hillcrest Golf Course
St. Paul, Minnesota
MDA Project No.: JAL101091523
MPCA Brownfields Site ID: BR1281

Dear Mr. Leable:

This Remedial Investigation Work Plan Addendum (Work Plan Addendum) is submitted on behalf of the Saint Paul Port Authority (SPPA) and describes the additional sampling and laboratory analysis to be completed for shallow soil adjacent to selected buildings at the Former Hillcrest Golf Course Site (the Site). This Work Plan Addendum supplements the document entitled: *Remedial Investigation Work Plan, Former Hillcrest Golf Course, St. Paul, Minnesota*, dated March 27, 2020 (2020 RI Work Plan). This Work Plan Addendum is being submitted to both the Minnesota Department of Agriculture (MDA) Agricultural Voluntary Investigation and Cleanup (AgVIC) and Minnesota Pollution Control Agency (MPCA) Voluntary Investigation and Cleanup (VIC) programs.

The purpose of the additional sampling and laboratory analysis is to determine if contaminants of concern are present in the shallow soil adjacent to the buildings at concentrations that require management during the planned demolition activities prior to redevelopment and/ or would warrant a request by the SPPA for an available liability assurance letter from either the Minnesota Department of Agriculture (MDA) and/or MPCA prior to proceeding with demolition. The buildings targeted for the additional sampling will be demolished later this year and are located outside of the known fertilizer/pesticide application areas (greens, fairways etc.) and outside of fertilizer/pesticide storage, mixing and equipment maintenance areas located on the east side of the Site (i.e., Maintenance Area Buildings). The original Work Plan already included soil sampling and laboratory analysis for the known application areas and the Maintenance Area Buildings.

For purposes of this Work Plan Addendum, it is assumed that the shallow soil adjacent to the selected buildings will be incidentally disturbed during the demolition process. Consequently, shallow soil samples will be collected for laboratory analysis at locations of exposed soil adjacent to the selected buildings as shown on the attached sample location diagram. Soil samples will be collected from each using a hand auger using the methods described for discrete sampling in the 2020 RI Work Plan. The following provides additional information regarding the proposed soil sampling and laboratory analysis:

- At each location, soil samples will be collected from the 0 to 6-inch and 1 to 1.5-foot depth intervals.

AA/EOE

- The 0 to 6-inch and 1 to 1.5-foot soil samples from locations indicated, on the attached figure, by blue dots will both be submitted for laboratory analysis of Resource Conservation and Recovery Act (RCRA Metals) and polycyclic aromatic hydrocarbons (PAHs).
- The 0 to 6-inch soil samples from locations indicated, on the attached figure, by red dots be submitted for laboratory analysis of total mercury. For the red dot locations, the soil sample from the 1 to 1.5-foot depth interval will be placed in containers and submitted to the laboratory on hold. The laboratory will be authorized to analyze the held samples for total mercury if that parameter is detected at concentration exceeding the MPCA Residential Soil Reference Value (SRV) 0.5 milligrams per kilogram (mg/kg) in the corresponding shallow sample. The held samples may also be analyzed for additional parameters depending on the results of other nearby samples and field observations indicating the present of possible fill materials.

The results of the soil sampling and laboratory analysis described in this Work Plan Addendum will be submitted to the MDA and MPCA for review and approval prior to the SPPA commencing with demolition of the respective buildings. Similarly, the results of the soil sampling and laboratory analysis described for the Maintenance Building Area in the original Work Plan will be submitted to the MDA and MPCA for review and approval prior commencing with demolition of those buildings. Also, as stated previously, available liability assurance letters will be requested from the MDA and/or MDA to the degree they constitute an Identified Release and meet the eligibility requirements of the respective agency.

If you have any questions, please contact Ken Larsen at 952.995.2455 or Mark Keefer at 952.995.2493.

Sincerely,

BRAUN INTERTEC CORPORATION



Kenneth Larsen, PE, PG
Vice President - Principal Engineer



Mark Keefer, P.G.
Associate Principal – Senior Scientist

Attachment: Work Plan Addendum Sampling Locations

pc: Monte Hilleman, Saint Paul Port Authority
Stuart Orłowski, Minnesota Department of Agriculture
Kathryn Sarnecki, Saint Paul Port Authority
George Hoene, Saint Paul Port Authority
Steve Heurung, Stoel Rives
Andrew Nichols. MPCA VIC Program



LEGEND - WORK PLAN ADDENDUM

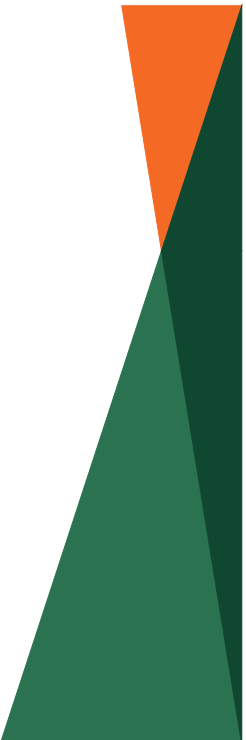
- Total Mercury only (0-6" sample analyzed, 1-1.5' on hold)
- RCRA Metals and PAHs (0-6" and 1-1.5' samples analyzed)

- | | | | |
|--|---|--|---|
| | SOIL BORING LOCATION | | TEST TRENCH LOCATION |
| | SOIL BORING / TEMPORARY WELL LOCATION | | SHALLOW HAND AUGER BORING LOCATION |
| | SOIL BORING / PERMANENT WELL LOCATION | | WELL LOCATION |
| | MONITORING WELL LOCATION | | SURFACE WATER SAMPLE |
| | AGRICULTURAL CHEMICAL SOIL BORING LOCATION | | |



75' 0 150'

SCALE: 1" = 150'



Drawing Information

Project No:	B1903316.00
Drawing No:	B1903316-00
Drawn By:	BJB
Date Drawn:	2/6/20
Checked By:	MK
Last Modified:	6/8/20

Project Information

Remedial Investigation
Former Hillcrest Golf Course
2200 Larpenteur Avenue E
Saint Paul, Minnesota

**WORK PLAN
ADDENDUM SAMPLING
LOCATIONS**

Figure 5A

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