



April 28, 2022

Robert A. Cigale
Endpoint Solutions Corp.
6871 South Lovers Lane
Franklin, WI 53132

Subject: Technical Assistance Request
Geotechnical Soil Boring Work Plan
Milwaukee Die Casting Co., 4132 N. Holton St., Milwaukee, WI
BRRTS #: 02-41-000023; FID #: 241228240

Dear Mr. Cigale,

On April 21, 2022, the Wisconsin Department of Natural Resources (DNR) received a technical assistance request for review of a geotechnical soil boring drilling and sampling work plan prepared by Endpoint Solutions Corp., dated April 18, 2022. The technical assistance request was submitted with a fee for DNR review and response. The DNR approves the proposed geotechnical soil boring drilling and sampling work at the locations shown on the attached figure EX 01, "*Proposed Soil Boring Exhibit*", provided additional considerations are incorporated into the work plan.

Geotechnical Work Plan Summary

The geotechnical evaluation of the site will consist of the following:

1. Advance 1 geo-located soil boring to a depth of 11 feet below grade surface
2. Advance 6 geo-located soil borings to a depth of 21 feet below ground surface.
3. Containerize soil cuttings in properly labeled DOT-compliant steel 55-gallon drums to be staged on-site for proper disposal.
4. Collect 1 composite sample per drum for polychlorinated biphenyls (PCB) analysis.
5. Collect 1 composite sample from all drummed soil cuttings for waste characterization analyses, including:
 - a. Toxicity characteristic leaching potential for volatile organic compounds (VOC), semi-volatile organic compounds (SVOC), and 13 priority pollutant metals.
 - b. Reactive sulfide and cyanide, pH, unfiltered chlorides, and flashpoint.
6. Containerize all decontamination-generated wastes (solids and liquids) in properly labeled DOT-compliant steel 55-gallon drums to be staged on-site for proper disposal.
7. Collect 1 sample of decontamination liquids for VOC, SVOC, and PCB analyses.
8. Abandon all boreholes with bentonite chips in accordance with Wis. Admin. Code ch. NR 141.
9. Repair and replace the Topsoil Cap and Soil Cover Cap protective barriers if damaged during the geotechnical drilling and sampling work.

Additional Geotechnical Work Plan Items

The DNR recommends that you incorporate the following items into the geotechnical work plan:

1. Geo-locate the corners of the Clay Cap prior to drilling, place non-penetrating surface markers at the corners of the Clay Cap, and establish an identifiable perimeter around the Clay Cap.

2. The area of the Clay Cap shall not to be entered during the geotechnical work.
3. Efforts shall be taken to not create ruts or other depressions in the Topsoil Cap or the Soil Cap. Any alteration of or damage to the capped areas shall be immediately repaired.
4. Efforts shall be made not to damage the monitoring well network at the site. Damaged monitoring wells shall be immediately reported to the DNR and repaired.
5. Drums containing soil and decontamination liquids generated by the geotechnical work shall be clearly labeled so that they will not be confused with drums staged by Pharmacia and Geosyntec Consultants in the northwest corner of the site adjacent to N. Holton St.
6. If drums generated by the geotechnical work are staged in the northwest corner of the site, the placement shall not interfere with access to the drums staged by Pharmacia and GeoSyntec Consultants for pick-up.
7. Provide photographs of the geotechnical borehole locations before drilling and after abandonment, and any areas of the cap that were damaged and repaired.

If you have questions concerning this letter or require additional information, please contact me at (262) 202-3921 or john.moll@wisconsin.gov.

Sincerely,



J. Gregory Moll, P.G.
Project Manager - Hydrogeologist
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources

Attachment: EX 01, Proposed Soil Boring Exhibit

cc: Ben Caya, Spike Brewing
Dave Misky, Redevelopment Authority of the City of Milwaukee
Mat Reimer, City of Milwaukee
Leah Ziemba, Michael, Best & Friedrich

