



April 29, 2020

Mr. Walter Bonola
Doosan Fuel Cell America, Inc.
195 Governor's Highway
South Windsor, CT 06074

**Re: Soil Sample Collection & Laboratory Analysis
Undeveloped Parcel, Railroad Avenue & Iranistan Avenue, Bridgeport, Connecticut**

Dear Mr. Bonola:

Berkshire Environmental Services & Technology, LLC (Berkshire) conducted soil sample collection and laboratory analysis at the above-referenced Site to characterize soil conditions in the vicinity of the proposed construction area.

On April 14, 2020 Berkshire was on-site to collect soil samples from soil borings completed by your geotechnical drilling contractor, Clarence Welti Associates, Inc. A total of five (5) representative soil borings were advanced at the Site (SB-1, SB-2, SB-3, SB-4, and SB-5) in the anticipated work area. The soil borings were advanced to depths ranging from approximately 6 feet below grade in SB-1 to 10 feet below grade in SB-2 and SB-5 with the use of a hollow stem auger drilling rig. Figure 1, attached, depicts the soil boring locations.

Two (2) soil samples for laboratory analysis were collected from representative intervals at each boring location. Additionally, a total of 21 soil samples were field-screened for the presence volatile organic compounds (VOCs) utilizing a photoionization detector. No PID responses were recorded in any of the soil samples.

Soil samples submitted for laboratory analysis were collected as follows:

- SB-1/0-2 (0 to 2 feet below grade from SB-1)
- SB-1/4-6 (4 to 6 feet below grade from SB-1)
- SB-2/2-4 (2 to 4 feet below grade from SB-2)
- SB-2/8-10 (8 to 10 feet below grade from SB-2)
- SB-3/1-3 (1 to 3 feet below grade from SB-3)
- SB-3/5-7 (5 to 7 feet below grade from SB-3)
- SB-4/1-3 (1 to 3 feet below grade from SB-4)
- SB-4/5-7 (5 to 7 feet below grade from SB-4)
- SB-5/0-2 (0 to 2 feet below grade from SB-5)
- SB-5/7-9 (7 to 9 feet below grade from SB-5)

The soil samples were submitted for laboratory analysis to Phoenix Environmental Laboratories, Inc. (Phoenix) in Manchester, Connecticut under proper chain of custody protocol. Phoenix is a

Connecticut-certified laboratory. The samples were analyzed in accordance with the Reasonable Confidence Protocols (RCPs) established by the CT DEEP.

The soil samples were submitted for laboratory analysis for the following parameters:

- Volatile Organic Compounds (VOCs) via EPA Method 8260 (5035 Sample Collection Method)
- Semi-Volatile Organic Compounds (SVOCs) via EPA Method 8270
- Polychlorinated Biphenyls (PCBs) via EPA Method 8082
- State of Connecticut Extractable Total Petroleum Hydrocarbons (CT ETPH)
- RCRA 8 Metals via total analysis
- RCRA 8 Metals via the Synthetic Precipitate Leaching Procedure (SPLP)
- Pesticides via EPA Method 8081
- Herbicides via EPA Method 8151

Soil samples submitted for VOC analysis were collected in accordance with the procedures outlined in the CT DEEP Guidance for Collecting and Preserving Soil and Sediment Samples for Laboratory Determination of Volatile Organic Compounds (March 1, 2006). Specifically, undisturbed soil samples were collected with disposable TerraCore samplers and weighed. The samples were subsequently placed into pre-weighed, laboratory-preserved vials containing methanol and deionized water in accordance with EPA Method 5030 / 5035, and placed into a cooler and maintained at 4°C until delivery to the laboratory under proper chain of custody protocol.

The laboratory analytical results did not reveal the presence of VOCs, TPH, PCBs, or herbicides at concentrations above their respective laboratory reporting limits. Low concentrations of SVOCs, pesticides, and metals were detected in the samples. The detected concentrations are generally consistent with levels typically encountered within urban fill. All detected concentrations are below the Residential Direct Exposure Criteria, Industrial/Commercial Direct Exposure Criteria, and GB Pollutant Mobility Criteria as outlined in the State of Connecticut Remediation Standard Regulations. The soil represented by the soil borings is appropriate for re-use on the Site, however, this soil would not be suitable for export as clean fill to any other property.

The laboratory analytical results are summarized on Table 1 in Appendix B and the complete laboratory analytical results are included in Appendix C.

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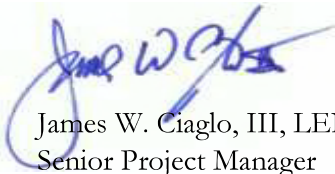
Thank you for the opportunity to work with you on this project. Please feel free to contact me at (860) 482-6399 or via e-mail at fwright@best-env.com. If you have any questions regarding this letter.

Sincerely yours,

Berkshire Environmental Services & Technology, LLC



Francis Wright
Principal / Geologist



James W. Ciaglo, III, LEP
Senior Project Manager

Attachments: Appendix A – Site Sketch
Appendix B – Summary Table
Appendix C - Laboratory Analytical Results

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