

**SCANNED**

May 26, 2017

Mr. Terefe Mazengia
GHD Services, Inc.
3075 Breckinridge Boulevard
Suite 470
Duluth, Georgia 30096

**Re: Soil and Groundwater Delineation Report
Bluewater Thermal Solutions Site, Laurens County
Bureau File # 305608**

Dear Mr. Mazengia:

On behalf of the South Carolina Department of Health and Environmental Control (the Department), I am writing to inform you that the referenced document has been reviewed. The Department concurs with the report's conclusion that, in an effort to investigate the source of the groundwater impact, sampling and analyzing the contents of the oil water separator should be completed. Additionally, the Department provides the following comments regarding the next phase of the site investigation.

1. Additional groundwater monitoring wells need to be installed to fully define the extent of the VOC plume identified in the area of MW-1S and MW-5. Proposed well locations should be provided for the Department's approval. It is suggested that the installation of temporary wells prior to the installation of permanent wells could be the most efficient and cost effective way to approach this next phase. Also, once the new wells are installed a full round of groundwater samples should be collected from the existing wells in addition to the new wells.
2. The Department suggest the re-development of MW-1D prior to the next collection of groundwater samples. The pH measurements (all >12.0 units) collected during sampling of this well indicate the presence of grout in the groundwater sample. Also, regarding MW-1D, this well was constructed with a 5 foot screen. The work plan, approved by the Department, indicated that the all new wells would be constructed with 10 foot screens. The Department should be informed of any changes to construction details of approved monitoring wells.
3. The report indicates in the Summary and Conclusion (Page 6) that no VOCs were detected above reporting limits in the groundwater samples collected from MW-2, MW-3, or MW-6. This information is not correct. Both 1,1 dichloroethane (9.1ug/L) and 1,1 dichloroethene (33 ug/L) were detected in MW-6. The detection of 1,1dichloroethene exceeded the MCL of 7 ug/L.
4. The August 2016 work plan included a proposal to evaluate the site for the potential of vapor intrusion from VOCs in groundwater. There was no discussion of vapor intrusion in this

report. This task, including any additional data necessary for evaluation, should be completed in the next phase of the investigation.

Please provide the Department with a work plan for the next phase of the Remedial Investigation within 45 days. This site is in the process of undergoing a change in project managers within the Department. A letter providing notification of the new project manager will be provided shortly. Continue to communicate with the current manager until that time.

If you have any questions or concerns, please feel free to contact me at 803-898-0810 or via email at crookscl@dhec.sc.gov.

Sincerely,



Carol L. Crooks, Project Manager
State Remediation Section
Division of Site Assessment, Remediation, and Redevelopment
Bureau of Land and Waste Management

Cc: R. Gary Stewart, BLWM
Richard Scherer, Lippes Mathis Wexler Friedman, LLP
Chris McCluskey, Environmental Affairs