

SCANNED



Mr. Tim Hornosky
State Remediation Section
SC Department of Health & Environmental Control
2600 Bull Street
Columbia, SC 29201-1708

Arcadis U.S., Inc
1450 Greene Street
Suite 220
Augusta
Georgia 30901-5201
Tel 706 828 4421
Fax 706 828 4722
www.arcadis.com

Subject
Work Plan for Area #3
Brenntag Southeast, Charleston, South Carolina

ENVIRONMENT

Date
30 March 2022

Dear Mr. Hornosky:

Contact
Edward Hirshenson

Brenntag Southeast, Inc. has authorized ARCADIS U.S., Inc. to develop a workplan to conduct additional geoprobe investigation of soils and groundwater at Area #3. Arcadis compiled the data from the geoprobe investigation conducted on July 29, 2021 and during the generation of Remedial Work Plan for Area #3 it was noted there exists data gaps in the vicinity of the Brenntag office. The geoprobe investigation conducted in 2021 at Area #3 indicated high concentrations of volatile organic compounds (VOCs) east and west of the Brenntag office building. Analyzing the data indicated lateral VOCs gaps which needs to be closed to get a better understanding of the plume originating from Area #3. These additional borings should indicate if there are two different hot spot plumes or one continuous plume originating at the Former Railroad Loading/Unloading Area. The following task is listed below:

Phone
706.828.4421

Email
Edward.hirshenson@arcadis.com

Our ref
30122070

Task 1. Phase III Soil/Groundwater Sampling at Area #3 (Former Railroad Tracks)

RECEIVED

MAR 31 2022

**SITE ASSESSMENT,
REMEDICATION, &
REVITALIZATION**

The phase III soil/groundwater sampling will include the collection of the following:

- Collection of approximately 10 borings will be installed in which groundwater samples will be collected from 7-10 feet below land surface (ft bls) and 17-20 ft bls. Groundwater samples will be analyzed for VOCs using EPA Method 8260.

Mr Hornosky
3/30/2022

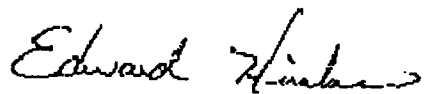
- Soil samples from depths of 17-20 ft bls will be collected from 3 borings to conduct field screening for the presence of dense non-aqueous phase liquid (DNAPL). A field screening test kit Oil-In-Soil™ which is a rapid qualitative sampling kit will be utilized for the presence of DNAPL.
- A soil sample will be collected within the hot zone at a depth of approximately 4-5 ft bls and analyzed for Toxicity Characteristic Leaching Procedure (TCLP) for waste characterization.

Location of Phase III borings are included as Figure 1. Excessive soils and soil liners will be contained in a 55- gallon drum and staged on site for proper disposal. Purged water will also be placed in 55-gallon drum and staged onsite for disposal. Upon completion of all 10 borings, all boreholes will be grouted to land surface.

Please call me at (706) 828-4421 if you have any questions.

Sincerely,

Arcadis U.S., Inc.



Edward Hirshenson
Senior Scientist

Copies

Mr. Shawn Wiram/North America/Brenntag
Mr. Mike Muthig IPGX
Mr. Steve Burris BES
Mr. Wilson Jones BES
Mr. Ben Hagood Bird Furniture

