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SITE ASSESSMENT, REMEDIATION, & REVITALIZATION

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January 3, 2023

Mr. Greg Cassidy
South Carolina Department of Health and Environmental Control
Division of Site Assessment, Remediation, and Revitalization
Bureau of Land and Waste Management
2600 Bull Street
Columbia, South Carolina 29201

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Subject: **Semiannual Monitoring Report – Semiannual Monitoring Event #6**
Former Bramlette Manufactured Gas Plant
400 East Bramlett Road
Greenville, South Carolina VCC 16-5857-RP

Dear Mr. Cassidy:

On behalf of Duke Energy, please find enclosed two hard copies and one electronic copy on compact disk of the referenced report. The report is being submitted to support remedial efforts associated with the referenced voluntary clean-up contract.

If you have any questions, please contact Rick Powell with Duke Energy at (980) 373-2663 or at Richard.powell2@duke-energy.com.

Sincerely,

Michael Martin

Michael L. Martin, P.E. (SC - 36383)
Project Engineer

Copies to: Kevin Boland, CSXT
Daniel Schmitt, Esq., CSXT
Ty Houck, Greenville County
William W. Brown, Legacy School Properties, LLC

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DUKE ENERGY

SEMIANNUAL MONITORING REPORT

Semiannual Monitoring Event #6

September-October 2022

FORMER BRAMLETTE MGP SITE

400 East Bramlett Road, Greenville, South Carolina

VCC 16-5857-RP

Prepared for

Duke Energy Carolinas, LLC
526 South Church St.
Charlotte, North Carolina 28202

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Prepared by

Geosyntec Consultants, Inc.
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Project FR7559C

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VCC 16-5857-RP

Prepared for

Duke Energy Carolinas, LLC
526 South Church St.
Charlotte, North Carolina 28202

Prepared by

Geosyntec Consultants, Inc.
201 East McBee Ave., Suite 201
Greenville, South Carolina 29601

Project FR7559C

January 2023

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
No. 36383
01/03/2023
MICHAEL LEE MARTIN

Michael Martin, P.E. (SC)
Project Engineer
South Carolina P.E. No. 36383

SOUTH CAROLINA GEOSYNTEC CONSULTANTS, INC. No. 773 CERTIFICATE OF AUTHORIZATION

Geosyntec COA Seal

Andrew Brey, P.G.
Senior Geologist

Geosyntec consultants

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ACRONYMS AND ABBREVIATIONS

°C	degrees Celsius
µg/L	microgram per liter
bls	below land surface
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CO_2	carbon dioxide
COC	constituent of concern
CSXT	CSX Transportation
DO	dissolved oxygen
DTW	depth-to-water
FS	feasibility study
LTM	long-term monitoring
MCL	maximum contaminant level
MDL	method detection limit
mg/L	milligram per liter
MGP	manufactured gas plant
MNA	monitored natural attenuation
mV	milli-volt
NAPL	non-aqueous phase liquid
NAVD	North American Vertical Datum
NTU	nephelometric turbidity units
ORP	oxidation-reduction potential
PAHs	polycyclic aromatic hydrocarbons
RI	remedial investigation
RIR	remedial investigation report
RIR-A	remedial investigation report addendum
ROD	Record of Decision
RSL	regional screening level
SCDHEC	South Carolina Department of Health and Environmental Control
SVOC	semi-volatile organic compound
TLM	tar-like material
TOC	total organic carbon

USEPA	United State Environmental Protection Agency
VOC	volatile organic compound
VCC	Voluntary Cleanup Contract

1. INTRODUCTION

This Comprehensive Semiannual Monitoring Report (Report) was prepared for the Former Bramlette Manufactured Gas Plant (MGP or Site) on behalf of Duke Energy Carolinas, LLC (Duke Energy). The Site collectively refers to the location of the former MGP (400 East Bramlett Road in Greenville, South Carolina) in addition to four other contiguous parcels and the western portion of the parcel owned by Legacy School Properties, LLC (**Figure 1-1**). The Site is comprised of five parcels (Parcels 1 through 5) and a portion of the Legacy Early College Elementary School property that collectively total approximately 35 acres in area. The boundary includes the western edge of the Legacy Early College Elementary School parking lot based on the results of the remedial investigation activities conducted (SynTerra, 2021a). The Site is bounded by the CSX Transportation (CSXT) railroad corridor to the north, west, and south, and by West Washington Street and the City of Greenville Sanitation Department to the east. In addition to the railroad corridor, the Reedy River and Swamp Rabbit Trail also define the western boundary.

1.1 Objectives

This Report has been prepared on behalf of Duke Energy by Geosyntec Consultants (Geosyntec) to document and evaluate groundwater and surface water quality and flow characteristics. Duke Energy recommended semiannual Site-wide groundwater and surface water monitoring in the Remedial Investigation Report Addendum (RIR-A) (SynTerra, 2021a) which was approved by the South Carolina Department of Environmental Control (SCDHEC) on 27 January 2022. Site-wide semiannual monitoring is planned until a Record of Decision (ROD) has been issued or evaluation of analytical result and/or physical conditions indicate a change in monitoring strategy would be appropriate. At a minimum, routine semiannual sampling activities will continue through calendar year 2023.

While routine monitoring is not a required component of the Voluntary Cleanup Contract (VCC) 16-5857-RP, Duke Energy has performed these activities to develop and evaluate concentration trends and to help inform the feasibility study (FS) for the Site. These data will also be used to help establish a long-term monitoring plan to be included in the ROD.

The proceeding semiannual groundwater and surface water sampling was conducted in March 2022 by SynTerra and a report was prepared and submitted to SCDHEC dated 7 June 2022 (SynTerra, 2022). That report recommended continued semiannual groundwater and surface water monitoring. The report was approved by SCDHEC in a letter dated 13 June 2022.

1.2 Report Content and Organization

This Report presents monitoring activities and results pertaining to the sixth semiannual Site-wide groundwater and surface water monitoring event that occurred from September 26, 2022 to October 7, 2022. A comprehensive evaluation of groundwater and surface water analytical results is included in this Report and includes analysis of water level elevations, constituent trends, and the extent of Site-related groundwater impacts.

- Section 1 describes the Report objectives and the Report organization.
- Section 2 provides background with respect to Site stratigraphy and hydrogeology.
- Section 3 summarizes and describes the field monitoring activities that were completed.
- Section 4 presents the water level measurements (potentiometric surface maps) and long-term hydrologic monitoring data.
- Section 5 presents the groundwater and surface water field monitoring and analytical data. A summary of the extent of dissolved phase groundwater impacts and general geochemistry evaluation is also provided in this section of the Report.
- Section 6 provides a statistical evaluation of concentration trend analyses.
- Section 7 presents summary conclusions with respect to the current groundwater and surface water data sets.
- Section 8 provides a schedule for future monitoring activities and reporting.
- Section 9 provides a list of references.

2. BACKGROUND

2.1 Site Location and Setting

Site topography is relatively flat and low-lying and includes delineated wetlands. Parcel 1 is relatively flat and gently sloping from the north [938 feet North American Vertical Datum of 1988 (NAVD 88)] to south (932 feet NAVD 88). Parcel 2, Parcel 3, Parcel 4, Parcel 5, and the portion of Legacy Early College Elementary School property are located within the 100-year flood plain of the Reedy River (**Figure 2-1**). The debris piles on Parcel 2 (946 feet NAVD 88) and the Vaughn Landfill on Parcel 3 (942 feet NAVD 88) are the points of highest elevation. Parcel 4 and Parcel 5 are generally flat, with elevation ranging from 920 feet NAVD 88 to 925 feet NAVD 88.

As depicted on **Figure 2-1**, surface water features within and adjacent to the Site include drainage ditches, jurisdictional wetlands, and the Reedy River. The elevation of the Reedy River, adjacent to the Site, from north to south ranges from 920 feet NAVD 88 to 916 feet NAVD 88. Extensive soil coring confirmed the presence of alluvial deposits within the bounds of the floodplain, including a laterally extensive coarse sand deposit. Since most of the Site is located within a 100-year flood plain, man-made drainage ditches were presumably constructed to improve drainage on all the five parcels. Because these ditches were present during MGP operations, they are an important aspect of the conceptual site model and surface water in this system has been routinely sampled.

2.2 Site Geologic Setting

The Site is located within the Piedmont Physiographic Province, which is bound to the west by the Blue Ridge and to the east by the Sandhills and Coastal Plain. The Site is located north of the Reedy River fault zone within the Six Mile thrust sheet (Willoughby and Nystrom, 2005). Bedrock geology consists of granite gneiss and sillimanite-mica schist (Nelson, et al., 1998).

In general, the geology of the Piedmont is comprised of a regolith-fractured rock system including regolith, a transition zone, and bedrock (Harned and Daniel, 1992). The transition zone is described as a zone of weathered rock fragments, residual boulders, and lesser amounts of saprolite. This zone can serve as a preferential zone of groundwater flow due to a higher permeability than the overburden or underlying bedrock (Harned and Daniel, 1992).

The Site is located within the historical flood plain of the Reedy River. Stratigraphic units include fill, alluvium, saprolite, the transition zone, and bedrock. Fill is present throughout most of the Site and extends to a depth of approximately 8 feet below land surface (bls). The fill material was placed to facilitate construction of various infrastructural components, including buildings, roads, and railroads. Below the fill material, alluvium is present throughout the Site, with an average thickness of approximately 11 feet (from approximately 8 feet bls to 19 feet bls). Alluvium consists of interbedded lean clays and fine to coarse sands and generally fines upward with coarser materials near the base of the alluvium deposit. Beneath the alluvium, saprolite is present throughout the Site and ranges from approximately 1 foot to 21 feet in thickness (from

approximately 19 feet bls to 20-40 feet bls). Although the transition zone is approximately 30-feet thick in some areas, the thickness diminishes toward the south and is absent in southern portions of the Site.

Top of bedrock is encountered at approximately 30 feet bls to 50 feet bls. Bedrock under the Site consists of interbedded granite gneiss and sillimanite-mica schist. While the mica schist is noticeably weaker rock, there does not appear to be preferential weathering based on rock type; therefore, the extent of fracturing appears to be consistent. Based on RI results (SynTerra, 2021a), the primary fracture set strikes north-northwest (dipping to the northeast) and east-northeast (dipping northwest). Overall, the bedrock hydraulic conductivity shows a decreasing trend with increasing depth below the top of rock down to approximately 60 feet below the top of rock (SynTerra, 2021a). The fracture aperture density and occurrence in bedrock decrease with depth below the top of bedrock. With increasing depth, the weight of the overlying rock increases. This increases the effective stress and causes the fracture walls to deform and flatten, reducing fracture aperture widths with increasing depth.

2.3 Site Hydrogeologic Setting

The groundwater system, consistent with the regolith-fractured rock system, is characterized as an unconfined, interconnected aquifer system indicative of the Piedmont Physiographic Province. A conceptual model of groundwater flow in the Piedmont assumes a regolith and bedrock drainage basin with a perennial stream system (Harned and Daniel, 1992). Groundwater is recharged by drainage and rainfall infiltration in the upland areas, followed by discharge to the perennial stream system. Flow in the regolith is like that of porous media, while flow in bedrock is primarily within secondary porosity features (fractures). Stratigraphic units, associated flow zone, extent, and hydraulic conductivity are summarized in the following chart.

Stratigraphic Unit		Flow Zone	Extent	Hydraulic Conductivity (feet per day)
Fill		Shallow	Laterally extensive in Parcel 2 and Parcel 3 - Vaughn Landfill. Fill present from land surface to approximately 8 feet bls.	1 - 2.4 (Geometric Mean - 1.6)
Regolith	Alluvium	Shallow	Laterally extensive. Lean clay over coarse- to fine-grained sand. Alluvium present from approximately 8 feet bls to 19 feet bls.	0.7 - 35 (Geometric Mean - 5.6)
	Saprolite	Shallow	Laterally extensive. Saprolite generally present at 19 feet bls to 20-40 feet bls.	2.6 - 6.9 (Geometric Mean - 4)
	Transition Zone	Transition Zone	Transition zone present 25 feet bls to 50 feet bls. Diminishing thickness of transition zone to absence of transition zone in the southern portion of the Site.	0.06 - 100 (Geometric Mean - 0.9)
Fractured Bedrock		Bedrock	Laterally extensive. Top of bedrock encountered from 30 feet bls to 50 feet bls.	0.05 - 4 (Geometric Mean - 0.8)

3. MONITORING ACTIVITIES

Geosyntec completed groundwater and surface water monitoring activities between September 26, 2022, and October 7, 2022. Field activities consisted of recording depth-to-water (DTW) measurements and collecting groundwater samples from Site-specific monitoring wells screened using low-flow purging protocols. Surface water samples were collected from locations established at the Site (**Figure 2-1**) where surface water was flowing and present. Field activities were conducted in general accordance with the United States Environmental Protection Agency (USEPA) Region 4 Science and Ecosystem Support Division *Field Branches Quality System and Technical Procedures*, Groundwater Sampling document, SESDPROC-301-R4.

Groundwater and surface water monitoring activities were performed in accordance with procedures presented in the *Remedial Investigation Work Plan Addendum* approved by SCDHEC (SynTerra, 2019), and the *Quality Assurance Project Plan (QAPP)* for the Site (SynTerra, 2018). Media samples (groundwater and surface water) were collected into laboratory-supplied containers, labeled, preserved on ice, and kept under chain-of-custody protocol until delivery to the laboratory.

3.1 Water Level Measurement and NAPL Thickness Measurement

The current Site groundwater monitoring network consists of 70 monitoring wells screened within three flow zones (hydro-stratigraphic units). Monitoring well construction details are provided in **Table 3-1**. DTW measurements were recorded on 26 September 2022 using an electronic water level indicator to the nearest hundredth of a foot (0.01 feet). Monitoring wells were allowed to equilibrate to atmospheric conditions by removing the well caps and "venting" for a minimum of one-half hour prior to measuring the DTW. Additionally, each monitoring well was gauged for the presence or absence of non-aqueous phase liquid (NAPL) via oil-water interface probe. A thickness of 4.4 feet of NAPL was measured at the bottom of open-borehole monitoring well MW-49BR. Other wells did not contain measurable thickness of NAPL. Measured water levels and observed NAPL thickness are listed on **Table 3-1**.

3.2 Groundwater Sample Collection Methodology

Geosyntec collected groundwater samples from 69 monitoring wells of the 70 Site wells. The existing monitoring well network includes the following:

- Shallow zone – 28 monitoring wells;
- Transition zone – 18 monitoring wells; and
- Fractured bedrock – 24 monitoring wells (a sample was not collected from well MW-49BR due to the presence of NAPL within the well).

Consistent with the previous RI sampling methodology[1], groundwater samples were collected in general accordance with low flow sampling procedures adhering to the guidance provided in USEPA SESDPROC-301-R4 (*Groundwater Sampling, April 20, 2017)*. The guidance document can be downloaded from the USEPA Region 4 Science and Ecosystem Support Division Field Branches Quality System and Technical Procedures website: https://www.epa.gov/quality/quality-system-and-technical-procedures-lsasd-field-branches.

Field monitoring parameters were measured and recorded on field sampling logs during purging. Groundwater field parameters were measured within a closed system "flow-thru" cell assembly, except for turbidity which was measured via separate field instrumentation. Field meters were maintained and operated in accordance with the manufacturer's instructions. Meters were calibrated in the field to verify proper function and accuracy of measurement. Peristaltic pumps were used with dedicated polyethylene down-hole tubing and silicone pump-head tubing for each well location. Information and data on the groundwater sampling log forms from previous sampling events, if present, were consulted to provide consistency in sampling methodology and purge volume, to the extent practicable. Field monitoring parameters and other pertinent field data were recorded on field sampling log forms.

Field monitoring of groundwater during purging and sampling included the collection of the following data via calibrated field instrumentation:

- pH (measured in standard units [S.U.]);
- Temperature (measured in degrees Celsius [°C]);
- Specific Conductance (measured in microsiemens per centimeter [µS/cm]);
- Oxidation-Reduction Potential (ORP) (measured in millivolts [mV]);
- Dissolved Oxygen (DO) (measured as milligrams per liter [mg/L]); and
- Turbidity (measured as nephelometric turbidity units [NTUs]).

All groundwater samples collected from monitoring wells during the groundwater sampling event were analyzed for the following parameters:

- Volatile Organic Compounds (VOCs) by USEPA Method 8260D; and
- Polycyclic Aromatic Hydrocarbons (PAHs) by USEPA Method 8270E – Selective Ion Monitoring (SIM).

[1] *Remedial Investigation Report-Addendum, Former Bramlette MGP Site*. Prepared by SynTerra Corporation and submitted to SCDHEC on July 30, 2021.

In addition to the analyses listed above, samples for specific geochemical parameters for the purpose of monitored natural attenuation (MNA) evaluation were collected from 16 monitoring wells. These wells include:

- Three monitoring wells within the shallow flow zone (MW-13R, MW-29S, and MW-21)
- Three monitoring wells within the transition/upper bedrock flow zone (MW-15, MW-29TZ, and MW-31TZ)
- Ten monitoring wells within the fractured bedrock zone (MW-28, MW-29BR, MW-38BR, MW-39BR, MW-39BRL, MW-43BR, MW-44BR, MW-45BR, MW-46BR, and MW-47BR).

The geochemical parameters are intended to provide additional data for the evaluation of MNA and biodegradation pathways that may be present within the Site aquifers. The specific geochemical parameters for MNA analyses included:

- Nitrate by USEPA Method 353.2;
- Sulfate by USEPA Method 300.0;
- Ammonia by USEPA Method 350.1;
- Sulfide by USEPA Method 4500;
- Alkalinity by USEPA Method 2320B;
- Total and dissolved iron and manganese by USEPA Method 6010D;
- Dissolved Gases (ethane, ethene, methane) by RSK 175;
- Total Organic Carbon (TOC) by USEPA Method 9060A; and
- Carbon Dioxide (CO_2) by USEPA Method 4500.

Groundwater samples were delivered to Pace Analytical Laboratory (Greenville, South Carolina). Field forms from the groundwater monitoring event are provided in **Attachment A**. Laboratory analytical reports and chain-of-custody forms are included in **Appendix B**.

3.3 Surface Water Sample Collection Methodology

Surface water samples were collected from nine "SW" locations of the potential 17 locations identified in the RIR-A (SW-1 through SW-17 locations depicted on **Figure 2-1**). Four samples (SW-18 through SW-21) were collected in April of 2021 as a onetime event upgradient of the Site to evaluate potential off-Site contributors of VOCs and SVOCs. The location and analytical results

of these surface water samples can be found in Quarter 1 and 2 2021 Semiannual Monitoring Report (SynTerra, 2021b). Surface water was not present or was stagnate for sample collection at "SW" locations SW-1, SW-5, SW-6, SW-13, SW-14, SW-15, SW-16, and SW-17. Consistent with the previous sampling efforts, the water samples were collected by dip sampling of containers directly into the water bodies. Readings of water quality (temperature, pH, conductance, DO, ORP and turbidity) were collected at each of the locations sampled. Observations regarding color, clarity, presence of sheens (biological or other) were recorded in the field sampling logs. All surface water samples collected during the sampling event were analyzed for the following parameters:

- VOCs by USEPA Method 8260D; and
- PAHs by USEPA Method 8270DE SIM.

Surface water samples were delivered to Pace Analytical Laboratory (Greenville, South Carolina). Field forms from the surface water monitoring event are provided in **Attachment A**. Laboratory analytical reports and chain-of-custody forms are included in **Appendix B**.

4. WATER LEVEL DATA EVALUATION

Water level elevation data from the March 7, 2022, and September 26, 2022, rounds of water level collection were used to prepare potentiometric surface maps.

4.1 Shallow Zone Potentiometric Surface

Groundwater within the shallow flow zone generally flows from the northeast to the southwest (from Parcel 1 toward the Reedy River). **Figure 4-1** illustrates the potentiometric surface as measured on March 7, 2022. **Figure 4-2** illustrates the potentiometric surface as measured on September 26, 2022. The overall gradient and flow direction within the shallow zone is consistent with historic observations and further discussed in Section 4.5.

4.2 Transition Zone Potentiometric Surface

Groundwater within the transition flow zone generally flows from the northeast to the southwest (from Parcel 1 toward the Reedy River). The Site well network within the transition zone network does not extend past the middle portion of Parcel 3. **Figure 4-3** illustrates the potentiometric surface as measured on March 7, 2022. **Figure 4-4** illustrates the potentiometric surface as measured on September 26, 2022. The overall gradient and flow direction within the transition zone is consistent with historic observations and further discussed in Section 4.5.

4.3 Bedrock Zone Potentiometric Surface

Similar to the shallow and transition zone flow directions, the groundwater within the bedrock zone has an overall gradient toward the southwest with the highest potentiometric elevation on Parcel 1 with the lowest potentiometric elevations adjacent to the Reedy River. **Figure 4-5** illustrates the potentiometric surface as measured on March 7, 2022. **Figure 4-6** illustrates the potentiometric surface as measured on September 26, 2022. The overall gradient and flow direction within the bedrock zone is consistent with historic observations and further discussed in Section 4.5.

4.4 Hydrographs

Data logging pressure transducers have been installed at select monitoring well clusters and surface water locations to continuously collect water level elevation data. Relative water level elevations from the select wells, in conjunction with Reedy River staff gauge elevation and magnitude of precipitation through October 16, 2022, are illustrated on the resultant hydrographs (**Figure 4-7** through **Figure 4-10**), as follows:

- MW-29 Well Cluster Hydrograph (**Figure 4-7**): Transition zone well (MW-29TZ) and bedrock zone well (MW-29BR) at this cluster (southern portion of Parcel 2) both indicate connection with the Reedy River system and direct transient response to precipitation events greater than 0.5 inches per 15-minute interval. Responses to changes in river level and precipitation are similar for both wells, which indicates interconnectedness between the transition zone and bedrock unit at this location.

- Vaughn Landfill Well Cluster Hydrograph (**Figure 4-8**): Relative changes in water elevations for five bedrock wells and one transition zone well are shown on this hydrograph relative to precipitation and the Reedy River staff gauge elevation. The shallow bedrock wells (MW-21BR and MW-39BRL) indicate relatively high transient response to elevation changes in the Reedy River and precipitation events. The deeper bedrock wells that are greater than 100 feet bls (e.g., MW-46BR and MW-47BR) indicate relatively muted head change response to transient river elevations and precipitation events. The hydrograph also displays a consistent difference in relative head elevation within the bedrock wells where MW-46BR (the deepest well at 180 feet bls) demonstrates a prevailing upward vertical gradient within the bedrock system underlying the Vaughn Landfill (Parcel 3).

- MW-03 Well Cluster Hydrograph (**Figure 4-9**): Relative changes in water level elevations for one shallow flow zone well (MW-03) and two bedrock zone wells (MW-03BR and MW-03-BRL) are shown on this hydrograph. In comparison to Reedy River water surface elevations, the transient response in the deeper bedrock well (MW-03BRL) is muted as compared to the shallow bedrock well (MW-03BR), suggesting less hydraulic communication between the deeper bedrock and shallower zones.

- Reedy River Wells Hydrograph (**Figure 4-10**): Relative changes in water level elevations for one transition flow zone well (MW-30TZ) and one bedrock zone well (MW-44BR) are shown on this hydrograph. Both wells are located in close proximity to the Reddy River (**Figure 2-1**). Both wells indicate relatively high transient response to elevation changes in the Reedy River and precipitation events. Changes in head within well MW-30TZ in response to significant precipitation and/or rises in Reedy River elevation can be on the order of several feet, which is greater that that observed for other transition flow zone wells. These data suggest that the transition flow zone (and likely shallow flow zone) in proximity to the Reedy River are in close hydraulic connection with the surface water system and can experience rapid changes in head due to precipitation events.

4.5 Hydraulic Gradients

Horizontal hydraulic gradients were calculated for each flow zone by dividing the change in groundwater elevation between two points on separate potentiometric-surface contours along a groundwater-flow path by the distance between the two locations.

Horizontal hydraulic gradients were calculated for each flow zone within Parcel 1, Parcel 2, and Parcel 3, based on September 2022 groundwater elevation data (**Table 4-1**). The geometric mean of the horizontal hydraulic gradients for each flow zone were as follows:

- Shallow zone: 0.012;

- Transition zone: 0.011; and

- Bedrock zone: 0.010.

Vertical gradients are generally neutral and ranged from -0.04 to 0.07 (downward direction) from the shallow flow zone (MW-21 to MW-21BR). Vertical gradients for well pairs are summarized in **Table 4-2**. Where present, vertical gradients are not substantial and a comparison with previous synoptic evaluation between Quarter 3 of 2020 and Quarter 3 of 2022 suggest some slight variability and change in direction is possible, dependent upon seasonal water level fluctuations. The hydrographs (**Figure 4-7** through **Figure 4-10**) confirm relatively neutral vertical gradients amongst similarly located well clusters. and are included for monitoring wells adjacent to the Reedy River.

Potentiometric-surface fluctuations in all three flow zones correlate to precipitation events, indicating a groundwater recharge response. The potentiometric-surface data from wells located along the Swamp Rabbit Trail appeared to correlate to the data from the Reedy River manual staff gauge, indicating a hydraulic connection between the shallow flow system and the Reedy River.

5. SAMPLING RESULTS

Groundwater and surface water samples were analyzed by Pace Analytical Services, LLC (SCDHEC Laboratory Certification #84004). Data review, verification, and validation was performed to identify any deviations from the analytical methods and to review quality control (QC) results which may affect the analytical results. No deficiencies or errors in the laboratory reports were identified following a review by Geosyntec practitioners. Analytical laboratory reports are provided in **Appendix B**.

5.1 Groundwater COC Evaluation

Groundwater analytical results are described below, and a summary of results and detections for select VOCs and PAHs is presented in **Table 5-1**.

5.1.1 Shallow Zone Groundwater

Figure 5-1 presents the benzene and naphthalene concentration data from the Fall 2022 sampling event for the shallow flow zone. A total of 28 groundwater samples were collected during the September/October 2022 monitoring event.

Within the shallow flow zone, benzene was present at concentrations above the SCDHEC MCL (5 micrograms per liter [µg/L]) for two of 28 groundwater samples. The groundwater exceedances for benzene are present on Parcel 1 (MW-36S) and on the Legacy Early College Elementary School property immediately adjacent to the northeast corner of Parcel 3 (MW-01). The maximum benzene concentration detected is 15.8 µg/L. Within the same two shallow zone wells, naphthalene was present at concentrations greater than the SCDHEC MCL (25 µg/L) ranging from 200 to 1,700 µg/L. The presence of impacted groundwater within the monitored shallow flow zone is limited to these two locations based upon current data.

5.1.2 Transition Zone Groundwater

Figure 5-2 presents the benzene and naphthalene concentration data from the Fall 2022 sampling event for the transition flow zone. A total of 18 groundwater samples were collected during the September/October 2022 monitoring event.

Within the transition flow zone, benzene was present at concentrations above the SCDHEC MCL for three of 18 groundwater samples. The groundwater exceedances are present on the very southern portion of Parcel 2 (MW-29TZ) and within the northern portion of Parcel 3, as depicted on **Figure 5-2**. Detected benzene concentrations range from 192 µg/L to 1,950 µg/L. Within the same three transition zone wells, naphthalene was present at concentrations greater than the SCDHEC MCL (25 µg/L) ranging from 3,630 to 7,220 µg/L. The groundwater impacts present within the transition flow zone are most likely attributable to the former stormwater conveyance ditch system that was used during the operation of the MGP.

Transition zone wells located on Parcel 1 and on the Legacy Early College Elementary School property (MW-41TZ) did not contain any detections of benzene or naphthalene during the

September/October 2022 monitoring event. Groundwater from monitoring wells to the west of the Site (e.g., MW-30TZ, MW-32TZ, MW-44TZ and MW-48TZ) did not contain any detections of benzene or naphthalene, greater than the method detection limits (MDL) which were below SCDHEC MCLs, and. effectively delineate the extent of Site-related groundwater impacts hydraulically downgradient

5.1.3 Bedrock Zone Groundwater

Figure 5-3 presents the benzene and naphthalene concentration data from the Fall 2022 sampling event for the bedrock unit flow zone. A total of 23 groundwater samples were collected during the September/October 2022 monitoring event. A sample from Well MW-49BR was not collected due to the presence of NAPL at the base of the well bore (a thickness of 4.4 feet was measured in September 2022).

Consistent with previous groundwater sampling events, the MGP-related groundwater impacts (benzene and naphthalene) within the bedrock zone are situated on Parcel 2 and Parcel 3. Benzene and naphthalene were present at concentrations of the SCDHEC MCLs at seven monitoring wells, with the majority of the plume is on Parcel 3. Detected benzene concentrations range from 74.3 µg/L to 767 µg/L. Within the same seven bedrock zone wells, naphthalene was present at concentrations greater than the SCDHEC MCL (25 µg/L) ranging from 215 to 3,400 µg/L. Additionally, styrene was detected above the SCDHEC MCL (10 µg/L) in MW-21BRL.

Bedrock zone wells located on Parcel 1 and on the Legacy Early College Elementary School property (MW-41BR) did not contain any detections of benzene or naphthalene during the September/October 2022 monitoring event. Groundwater from wells MW-44BR and MW-40BR, which are located hydraulically downgradient of Parcel 2 and Parcel 3 within the bedrock zone, did not contain any detections of benzene or naphthalene, MDLs were below SCDHEC MCLs.

5.2 Groundwater Geochemistry Evaluation

Table 5-2 presents the summarized groundwater geochemistry and field monitoring parameters collected during the September/October 2022 sampling event. Natural attenuation processes ongoing are likely to include a combination of dispersion, dilution, sorption, and biodegradation to varying degrees. The recent collection of natural attenuation parameters (geochemistry analysis) provides insight into which biodegradation processes may be present. Natural attenuation parameters indicate generally anaerobic conditions in groundwater. This conclusion is supported by field measurements of low DO concentrations (i.e., typically less than 1.0 milligrams per liter [mg/L]) coupled with relatively neutral ORP (i.e., within +/-100 neutral mV). Additionally, laboratory analytical data for methane, sulfate, and sulfide indicate that methanogenic and sulfate reducing conditions are likely present in the high concentration areas of the bedrock flow zone (i.e., area with benzene at concentrations greater than 1,000 µg/L), as evidenced by geochemical results specifically at wells MW-29BR, MW-45BR, MW-46BR, and MW-47BR wells (**Table 5-2**).

Sulfate concentrations were elevated, relative to background concentrations (~1-2 mg/L sulfate), within several wells in the "high concentration" area of the Site: monitoring wells MW-45BR (119 mg/L sulfate), MW-39BRL (129 mg/L sulfate). Lower concentrations of sulfate (i.e., below 10 mg/L) outside of the high concentration areas of the bedrock flow zone, suggest that sulfate reduction may be an attenuation process within groundwater.

Methane is present at elevated concentrations in groundwater within the high benzene/naphthalene concentration area of the Site at monitoring wells MW-29TZ (4,160 µg/L methane) and MW-29BR (4,320 µg/L methane). Methane concentrations are lower at upgradient wells MW-15 (non-detect) and MW-28 (non-detect). Methanogenic attenuation processes are typically found at MGP sites within the high concentration "core" areas of sites; this appears to be the case at the Site.

The recent groundwater data indicate that TOC concentrations are elevated in monitoring wells within the "high concentration" area. TOC concentrations in these wells are generally greater than 10 mg/L, whereas TOC concentrations in wells located outside the high benzene concentration area of the plume are generally an order of magnitude lower. As monitoring continues, TOC distribution may represent a method to identify the source area and/or to monitor for the presence of electron donors (organic carbon). Ferrous iron was not observed to be present in any appreciable amount in groundwater during the Fall 2022 semiannual sampling event.

These combined observations, inclusive of benzene and naphthalene concentration data, indicate that methanogenesis and sulfate reduction are potential intrinsic biodegradation pathways within the transition and bedrock flow zones. This analysis provides insight into which biodegradation processes may predominate but does not provide insight into which biodegradation processes are applicable to individual Site-related compounds.

5.3 Surface Water COC Evaluation

Surface water samples were collected from nine locations during the Fall 2022 monitoring event. During the Fall 2022 monitoring event, eight locations were dry and did not contain surface water for collection of samples. These dry locations were generally located on the southern portion of Parcel 3 and on Parcels 4 and 5. The surface water analytical results are presented on **Table 5-3**. The Fall 2022 surface water sampling indicates that no MGP-related constituents have been detected at concentrations above laboratory MDLs.

6. MANN-KENDALL TESTS FOR STATISTICAL TRENDS IN GROUNDWATER

Geosyntec conducted a quantitative statistical evaluation of groundwater sampling results for the Site collected from 2019 to 2022 using a Mann-Kendall trend analyses. **Appendix C** provides the comprehensive groundwater data. The Mann-Kendall trend analysis is a non-parametric statistical procedure that examines data over time to determine whether there is a statistically significant increasing or decreasing trend. The analysis produces a Mann-Kendall statistic, the sign of which determines the direction of the potential trend. For the evaluation presented, and consistent with literature recommendations, a confidence of >95% was used to produce an "increasing" or "decreasing" result. A confidence of 90-95% produces a "probably increasing" or "probably decreasing" result. If the confidence is less than 90%, the result is either "stable", defined by a coefficient of variation of <1 (low amount of variability) or "no trend", where there is neither an increasing nor decreasing trend at a high confidence but there is also significant scatter in the data. **Appendix D** provides the data and resultant output for each well location to which the Mann-Kendall evaluation was applied.

6.1 Quantitative Evaluation

Geosyntec conducted Mann-Kendall Tests for statistical trends on 16 monitoring well data sets to quantitatively evaluate the temporal stability of select VOC and PAH compounds (as groundwater concentrations) in the Site aquifers.

The criteria for conducting the Mann-Kendall Tests for these constituents are summarized below.

- Statistical analyses were completed on the analytical data from monitoring wells if the data indicated that a COC concentration was above the screening value/clean-up goal (i.e., MCL), and data were available for a minimum of four sampling events.

- If the concentration of a constituent was reported below the laboratory MDL, then one-half of the MDL was used in the analyses.

- If the concentration of a constituent has been reported below the SCDHEC MCL, trend analysis was not conducted for that particular constituent.

Using these criteria, Mann-Kendall Tests were completed using data obtained during historical sampling events from four shallow flow zone wells, two transition zone wells, and ten bedrock zone wells, and the data were evaluated for stability. A summary of the results of the statistical analyses and graphs are presented in **Appendix D** and summarized on **Table 6-1**.

6.2 Mann Kendall Test Results

The trend analysis included the groundwater monitoring data from samples collected starting in 2019 and up through September/October 2022. Benzene and naphthalene were used as VOC and

PAH “indicator” compounds, respectively. The analysis assumes that trends associated with benzene and naphthalene are applicable to other Site COCs.

The Mann-Kendall trend analyses indicate that benzene and naphthalene concentrations in groundwater (where concentration data sets are currently viable) are generally decreasing or stable (**Table 6-1**, **Appendix D**). Benzene trend analysis was not conducted from MW-21BR, and naphthalene trend analysis was not conducted for MW-34BR since both of the data sets for these constituents were below SCDHEC MCLs. Of the 16 trend analyses completed, 13 of the location/compound pairs have one or more compounds with either decreasing or stable trend results. The MW-29TZ location/compound pair had no apparent trend for either constituent. Two locations (MW-21BRL and MW-29BR) indicated increasing concentrations of one or more compounds based on the data set.

7. CONCLUSIONS AND RECOMMENDATIONS

The following conclusions and recommendations are made based upon review and analysis of the data collected during the Fall 2022 monitoring event in conjunction with data collected during previous sampling events.

- Field DTW measurements demonstrate that groundwater gradients within each of the flow zones (shallow, transition and bedrock) generally trend towards the west/southwest in the direction of the Reedy River. The Spring 2022 and Fall 2022 potentiometric surfaces are consistent with each other and with gradients previously reported in the RI and RIR-A. As such, consistent flow directions are well-established.

- Measured water elevations at well clusters indicate relatively neutral vertical gradients.

- Constituents detected at concentrations greater than regulatory standards in groundwater are currently limited to three compounds which include benzene, naphthalene and styrene.

- Impacted groundwater within the shallow flow zone is limited to localized areas on Parcel 1 (MW-36S) and immediately adjacent to Parcel 3 (MW-01), as depicted on **Figure 5-1**. These areas are associated with former MGP operations and the historic ditch/drainage system.

- Impacted groundwater within the transition flow zone (depths of approximately 20 to 35 ft bls) is present on Parcel 2 (MW-29TZ) and Parcel 3 (MW-02TZ and MW-20), as depicted on **Figure 5-2**. Consistent with previous sampling events, the highest constituent concentrations are observed at well MW-29TZ, with benzene at 1,950 µg/L and naphthalene at 7,220 µg/L. The extent of these groundwater impacts is delineated by multiple non-impacted transition zone monitoring wells.

- Consistent with previous sampling events, impacted groundwater within the bedrock flow zone is the most laterally extensive. Benzene and naphthalene are present at multiple depths on a majority of Parcel 3 and the southern portion of Parcel 2 (**Figure 5-3**). Parcel 1 bedrock groundwater is not impacted. The highest benzene concentration within the bedrock flow zone groundwater was 767 µg/L at well MW-2BR (Parcel 3) and the highest naphthalene concentration was 3,400 µg/L in well MW-03BRL (Parcel 3). Data from the RI and RIR-A investigations confirm that most of the MGP-related source material (i.e., visible NAPL impacts) is located on Parcel 3. Bedrock well MW-49BR contains NAPL at a thickness of 4.4 feet (as measured in September 2022); the presence of NAPL in this well is consistent with previous observations.

- Multiple rounds of surface water sampling indicate that no MGP-related constituents have been detected at concentrations greater than SCDHEC R.61-68 Human Health MCLs and, more recently, above laboratory MDLs. These results suggest that surface water best

management practices (BMPs) installed during 2021 are an effective temporary measure, and residuals from former MGP operations are not currently affecting surface water quality.

- Mann-Kendall trend results indicate that stable and/or decreasing trends prevail for benzene and naphthalene within the majority of groundwater from monitoring wells where these constituents have been detected. Two bedrock flow zone well locations (MW-21BRL and MW-29BR) indicated increasing concentration trends based on the current data set.

- Field parameters for DO and ORP, as well as laboratory analytical results for dissolved methane and sulfate indicate the possibility of methanogenic and sulfate-reducing conditions in the high benzene/naphthalene concentration groundwater. These conditions are present within the transition flow zone and the bedrock flow zone on Parcel 2 and Parcel 3. Future microbial studies within select monitoring wells may be warranted to identify and document specific microbial mediated process that are ongoing, specifically in the bedrock flow zone.

- Continued semiannual groundwater and surface water monitoring is recommended with the same frequency, as described in Section 8 (below), and utilizing the same monitoring protocols.

8. SCHEDULE

Duke Energy will continue semiannual groundwater and surface water monitoring, as was previously proposed in the RIR-A (SynTerra, 2021a), through completion of the FS and ROD process. It is anticipated that the FS will be submitted in the first half of 2023. Thus, monitoring is planned to occur in the first quarter (March) and third quarter (September) of 2023. The schedule below presents planned monitoring events and reporting deliverables through 2023.

Monitoring Event	Monitoring Period		Report	Report Submittal Date
7	Year 4	March 2023	Semiannual Monitoring Report	July 1, 2023
8	Year 4	September 2023	Comprehensive Semiannual Monitoring Report	December 1, 2023

9. REFERENCES

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TABLES

TABLE 3-1
WELL CONSTRUCTION DETAILS AND FALL 2022 WATER LEVEL AND NAPL MEASUREMENTS
Former Bramlette MGP Site
Greenville, South Carolina

Well ID	Zone	Well Status	TOC Elevation (ft-NAVD 88)	Screen Interval (ft bls)		Screen Elevation (ft-NAVD 88)		Depth to Water (ft BTOC)	Water Elevation (ft-NAVD 88)	NAPL Thickness (ft)
				Top	Bottom	Top	Bottom			
MW-1	Shallow	Active	934.31	5	15	926.47	916.47	7.9	926.41	---
MW-2	---	Abandoned	934.82	5	15	927.17	917.17	---	---	---
MW-2BR	Bedrock	Active	934.42	55	60	876.37	871.37	11.45	922.97	---
MW-2TZ	Transition Zone	Active	934.9	27	32	904.61	899.61	11.45	923.45	---
MW-3	Shallow	Active	935.53	9	14	923.9	918.9	10.57	924.96	---
MW-3BR	Bedrock	Active	935.87	59.5	64.5	873.49	868.49	11.53	924.34	---
MW-3BRL	Bedrock	Active	936.49	99	104	834.44	829.44	12.28	924.21	---
MW-3D	---	Abandoned	935.41	15	20	917.81	912.81	---	---	---
MW-4	---	Abandoned	935.06	2	7	930.54	925.54	---	---	---
MW-5	Shallow	Active	929.73	4	14	925.58	915.58	10.97	918.76	---
MW-6	---	Abandoned	933.24	2	12	928.67	918.67	---	---	---
MW-6A	---	Abandoned	931.62	5	15	923.5	913.5	---	---	---
MW-7	---	Abandoned	935.74	5	15	928.44	918.44	---	---	---
MW-7R	Shallow	Active	936.01	5	15	927.93	917.93	5.45	930.56	---
MW-8	---	Abandoned	935.99	1.7	14.7	931.84	918.84	---	---	---
MW-9	---	Abandoned	936.03	25.2	30.2	908.34	903.34	---	---	---
MW-9R	Shallow	Active	936.47	21	26	912.62	907.62	5.82	930.65	---
MW-10	---	Abandoned	943.39	3	18	938.47	923.47	---	---	---
MW-11	---	Abandoned	941.81	14	24	925.49	915.49	---	---	---
MW-12	---	Abandoned	941.89	1.5	11.5	937.69	927.69	---	---	---
MW-13	---	Abandoned	940.48	11.5	21.5	926.58	916.58	---	---	---
MW-13R	Shallow	Active	940.94	10	20	927.93	917.93	7.25	933.69	---
MW-14	---	Abandoned	940.18	2	12	935.64	925.64	---	---	---
MW-15	Transition Zone	Active	939.09	50	55	886.39	881.39	10.2	928.89	---
MW-16	Shallow	Active	938.61	5	15	931.73	921.73	11.23	927.38	---
MW-17	---	Abandoned	935.22	1.6	15.5	931.69	917.79	---	---	---
MW-18	Shallow	Active	933.34	9.5	24.5	921.58	906.58	13.87	919.47	---
MW-19	---	Abandoned	934.2	9	19	922.65	912.65	---	---	---
MW-20	Transition Zone	Active	935.71	20	25	913.23	908.23	10.98	924.73	---

TABLE 3-1
WELL CONSTRUCTION DETAILS AND FALL 2022 WATER LEVEL AND NAPL MEASUREMENTS
Former Bramlette MGP Site
Greenville, South Carolina

Well ID	Zone	Well Status	TOC Elevation (ft-NAVD 88)	Screen Interval (ft bls)		Screen Elevation (ft-NAVD 88)		Depth to Water (ft BTOC)	Water Elevation (ft-NAVD 88)	NAPL Thickness (ft)
				Top	Bottom	Top	Bottom			
MW-21	Shallow	Active	934.53	5	18	925.68	912.68	11.62	922.91	---
MW-21BR	Bedrock	Active	930.89	37	42	891	886	9.98	920.91	---
MW-21BRL	Bedrock	Active	931.51	60	65	868.48	863.48	10.43	921.08	---
MW-22	Shallow	Active	930.3	25	35	905.47	895.47	10.61	919.69	---
MW-23	---	Abandoned	924.63	32.5	42.5	889.75	879.75	---	---	---
MW-24	---	Abandoned	926.13	0.4	10.4	921.81	911.81	---	---	---
MW-25	---	Abandoned	928.53	1	16	927.53	912.53	---	---	---
MW-25R	Shallow	Active	930.75	1.6	16.6	929.19	914.19	3.52	927.23	---
MW-26	Bedrock	Active	940.91	45	55	892.9	882.9	7.53	933.3799	---
MW-27	Shallow	Active	940.93	25	35	912.83	902.83	7.1	933.83	---
MW-28	Bedrock	Active	936.69	35	45	898.88	888.88	6.1	930.59	---
MW-29BR	Bedrock	Active	933.32	81	86	849.36	844.36	8.74	924.58	---
MW-29S	Shallow	Active	932.86	5	15	925.25	915.25	8.45	924.41	---
MW-29TZ	Transition Zone	Active	932.92	26	31	904.18	899.18	8.48	924.44	---
MW-30S	Shallow	Active	932.8	5	20	927.6	912.6	13.39	919.41	---
MW-30TZ	Transition Zone	Active	932.54	35	40	897.57	892.57	13.79	918.75	---
MW-31S	Shallow	Active	932.11	5	20	927.51	912.51	14.4	917.71	---
MW-31TZ	Transition Zone	Active	932.07	28	38	904.37	894.37	14.6	917.47	---
MW-32S	Shallow	Active	931.73	20	35	911.98	896.98	13.65	918.08	---
MW-32TZ	Transition Zone	Active	931.92	56	66	875.74	865.74	14	917.92	---
MW-33S	Shallow	Active	932.06	5	20	927.12	912.12	12.15	919.91	---
MW-33TZ	Transition Zone	Active	931.24	35	40	896.81	891.81	11.68	919.56	---
MW-34BR	Bedrock	Active	937.92	103	108	832.11	827.11	13.05	924.87	---
MW-34S	Shallow	Active	937.53	10	25	924.82	909.82	11.7	925.83	---
MW-34TZ	Transition Zone	Active	937.91	40	50	895.14	885.14	12.26	925.65	---
MW-35BR	Bedrock	Active	931.4	140	150	788.05	778.05	4.26	927.14	---
MW-35S	Shallow	Active	933.26	5	15	925.06	915.06	6.47	926.79	---
MW-35TZ	Transition Zone	Active	933.51	30	35	900.12	895.12	6.4	927.11	---
MW-36BR	Bedrock	Active	940.04	63	68	873.72	868.72	9.15	930.89	---
MW-36S	Shallow	Active	940.49	5	20	932.18	917.18	9.47	931.02	---
MW-36TZ	Transition Zone	Active	940.07	40	45	896.89	891.89	9.31	930.76	---

TABLE 3-1
WELL CONSTRUCTION DETAILS AND FALL 2022 WATER LEVEL AND NAPL MEASUREMENTS
Former Bramlette MGP Site
Greenville, South Carolina

Well ID	Zone	Well Status	TOC Elevation (ft-NAVD 88)	Screen Interval (ft bls)		Screen Elevation (ft-NAVD 88)		Depth to Water (ft BTOC)	Water Elevation (ft-NAVD 88)	NAPL Thickness (ft)
				Top	Bottom	Top	Bottom			
MW-37BR	Bedrock	Active	943.12	111	116	829.09	824.09	11.04	932.08	---
MW-37S	Shallow	Active	943.05	5	20	935.16	920.16	9.75	933.3	---
MW-37TZ	Transition Zone	Active	943.27	65	70	875.15	870.15	10.2	933.07	---
MW-38BR	Bedrock	Active	929.72	42	47	884.5	879.5	6.53	923.1899	---
MW-38S	Shallow	Active	929.9	5	20	921.48	906.48	6.65	923.25	---
MW-39BR	Bedrock	Active	937.92	45	50	890.25	885.25	12	925.92	---
MW-39BRL	Bedrock	Active	937.91	75	80	860.17	855.17	13.47	924.44	---
MW-39S	Shallow	Active	938.6	9	24	926.55	911.55	12.34	926.2599	---
MW-40BR	Bedrock	Active	929.85	65	75	865.17	855.17	11.95	917.9	---
MW-41BR	Bedrock	Active	929.8	80	90	849.92	839.92	2.6	927.2	---
MW-41S	Shallow	Active	929.93	5	20	925.13	910.13	2.45	927.48	---
MW-41TZ	Transition Zone	Active	929.52	45	55	884.94	874.94	2.41	927.11	---
MW-42BR	Bedrock	Active	939.52	72	77	864.84	859.84	8.65	930.87	---
MW-42S	Shallow	Active	940.42	5	20	932.47	917.47	9.41	931.01	---
MW-42TZ	Transition Zone	Active	940.18	50	55	887.04	882.04	9.25	930.93	---
MW-43BR	Bedrock	Active	941.3	110	115	828.06	823.06	9.88	931.42	---
MW-43S	Shallow	Active	941.26	5	20	933.17	918.17	9.45	931.81	---
MW-43TZ	Transition Zone	Active	941.45	61	71	877.09	867.09	9.7	931.75	---
MW-44BR	Bedrock	Active	937.38	50	60	887.74	877.74	17.12	920.26	---
MW-44TZ	Transition Zone	Active	937.59	20	25	918.06	913.06	17.67	919.92	---
MW-45BR	Bedrock	Active	936.14	80	90	852.83	842.83	11.91	924.23	---
MW-46BR	Bedrock	Active	934.01	170	180	761.14	751.14	6.02	927.99	---
MW-47BR	Bedrock	Active	935.96	110	120	822.73	812.73	13.25	922.71	---
MW-48S	Shallow	Active	932.56	15	30	917.8	902.8	12.67	919.89	---
MW-48TZ	Transition Zone	Active	932.66	45	55	887.72	877.72	12.25	920.41	---
MW-49BR	Bedrock	Active	934.71	OB	OB	---	---	12.38	922.33	4.4
MW-50S	Shallow	Active	NA	5	15	921.99	911.99	6	---	---
MW-50TZ	Transition Zone	Active	NA	29	34	896.81	891.81	4.82	---	---

Notes:
--- Data is not available or not applicable
NA - elevations not yet acquired
ft bls - feet below land surface
TOC - top of well casing
NAVD88 - North American Vertical Datum of 1988
BTOC - below top of casing
OB - open borehole
NAPL - non-aqueous phase liquid

TABLE 4-1
HORIZONTAL HYDRAULIC GRADIENTS
SEMIANNUAL MONITORING REPORT - FALL 2022
Former Bramlette MGP Site
Greenville, South Carolina

Shallow Zone					
Area	**Upgradient Potentiometric Surface Contour h_1 (ft-NAVD 88)[1]**	**Downgradient Potentiometric Surface Contour h_2 (ft-NAVD 88)[2]**	**Elevation Change (ft)**	**Flow Path (ft)[4]**	**Gradient (ft/ft)**
Parcel 1	932	928	4	282	0.014
Parcel 2	928	924	4	521	0.008
Parcel 3	926	920	6	362	0.017
				Geometric Mean	0.012
				Average	0.013

Transition Zone					
Area	**Upgradient Potentiometric Surface Contour h_1 (ft-NAVD 88)[1]**	**Downgradient Potentiometric Surface Contour h_2 (ft-NAVD 88)[2]**	**Elevation Change (ft)**	**Flow Path (ft)[4]**	**Gradient (ft/ft)**
Parcel 1	932	930	2	163	0.012
Parcel 2	928	922	6	613	0.010
Parcel 3	926	922	4	401	0.010
				Geometric Mean	0.011
				Average	0.011

Bedrock Zone					
Area	**Upgradient Potentiometric Surface Contour h_1 (ft-NAVD 88)[1]**	**Downgradient Potentiometric Surface Contour h_2 (ft-NAVD 88)[2]**	**Elevation Change[3] (ft)**	**Flow Path (ft)[4]**	**Gradient (ft/ft)**
Parcel 1	932	930	2	274	0.007
Parcel 2	930	924	6	564	0.011
Parcel 3	926	918	8	697	0.011
				Geometric Mean	0.010
				Average	0.010

Notes:

[1] Potentiometric surface elevation shown corresponds to upgradient groundwater contour on **Figures 4-2, 4-4, and 4-6**.

[2] Potentiometric surface elevation shown corresponds to downgradient groundwater contour on **Figures 4-2, 4-4, and 4-6.**

[3] Difference in potentiometric surface elevation between upgradient and downgradient potentiometric surface contours.

[4] The length of a flow path between an upgradient and downgradient groundwater contour within the same flow zone.

ft - feet

h - potentiometric surface height in feet-NAVD 88

NAVD 88 - North American Vertical Datum 1988

Gradient - horizontal hydraulic gradient (ft/ft)

TABLE 4-2
VERTICAL HYDRAULIC GRADIENTS
SEMIANNUAL MONITORING REPORT - FALL 2022
Former Bramlette MGP Site
Greenville, South Carolina

Well ID	Zone	Ground Surface Elevation (ft-NAVD 88)	Q3-2020			Q3-2022		
			Water Level Elevation (ft-NAVD 88)	Vertical Gradient and Direction		Water Level Elevation (ft-NAVD 88)	Vertical Gradient and Direction	
MW-2TZ	Transition Zone	931.61	924.11	0.03	Downward	923.45	0.02	Downward
MW-2BR	Bedrock	931.37	923.37			922.97		
MW-3	Shallow	932.9	924.93	-0.02	Upward	924.96	0.02	Downward
MW-20	Transition Zone	933.23	924.82			924.73		
MW-20	Transition Zone	933.23	924.82	0.01	Downward	924.73	0.01	Downward
MW-3BR	Bedrock	932.99	924.48			924.34		
MW-3BR	Bedrock	932.99	924.48	0.00	Downward	924.34	0.00	Downward
MW-3BRL	Bedrock	933.44	924.38			924.21		
MW-7R	Shallow	932.93	931.38	0.00	Upward	930.56	0.00	Upward
MW-28	Bedrock	933.88	931.43			930.59		
MW-9R	Shallow	933.62	931.41	0.00	Upward	930.65	0.00	Downward
MW-28	Bedrock	933.88	931.43			930.59		
MW-13R	Shallow	937.93	935.17	0.01	Downward	933.69	0.01	Downward
MW-26	Bedrock	937.9	934.96			933.38		
MW-27	Shallow	937.83	935.27	0.02	Downward	933.83	0.02	Downward
MW-26	Bedrock	937.9	934.96			933.38		
MW-16	Shallow	936.73	928.64	-0.03	Upward	927.38	-0.04	Upward
MW-15	Transition Zone	936.39	929.91			928.89		
MW-21	Shallow	930.68	923.34	0.04	Downward	922.91	0.07	Downward
MW-21BR	Bedrock	928	921.86			920.91		
MW-21BR	Bedrock	928	921.86	-0.01	Upward	920.91	-0.01	Upward
MW-21BRL	Bedrock	928.48	922.02			921.08		
MW-5	Shallow	929.73	919.64 *	-0.01	Upward	918.76	0.01	Downward
MW-40BR	Bedrock	930.17	920.35 *			917.90		
MW-22	Shallow	930.47	920.16 *	0.00	Upward	919.69	0.04	Downward
MW-40BR	Bedrock	930.17	920.35 *			917.90		
MW-29S	Shallow	930.25	924.69	0.00	Upward	924.41	0.00	Upward
MW-29TZ	Transition Zone	930.18	924.75			924.44		
MW-29TZ	Transition Zone	930.18	924.75	0.00	Upward	924.44	0.00	Upward
MW-29BR	Bedrock	930.36	924.85			924.58		
MW-30S	Shallow	932.8	920.42	0.01	Downward	919.41	0.03	Downward
MW-30TZ	Transition Zone	932.57	920.1			918.75		
MW-31S	Shallow	932.51	918.37	0.02	Downward	917.71	0.01	Downward
MW-31TZ	Transition Zone	932.37	918.03			917.47		
MW-32S	Shallow	931.98	918.64	-0.02	Upward	918.08	0.01	Downward
MW-32TZ	Transition Zone	931.74	919.21			917.92		

TABLE 4-2
VERTICAL HYDRAULIC GRADIENTS
SEMIANNUAL MONITORING REPORT - FALL 2022
Former Bramlette MGP Site
Greenville, South Carolina

Well ID	Zone	Ground Surface Elevation (ft-NAVD 88)	Q3-2020			Q3-2022		
			Water Level Elevation (ft-NAVD 88)	Vertical Gradient and Direction		Water Level Elevation (ft-NAVD 88)	Vertical Gradient and Direction	
MW-33S	Shallow	932.12	920.31	-0.03	Upward	919.91	0.02	Downward
MW-33TZ	Transition Zone	931.81	921.06			919.56		
MW-34S	Shallow	934.82	927.22	0.03	Downward	925.83	0.01	Downward
MW-34TZ	Transition Zone	935.14	926.45			925.65		
MW-34TZ	Transition Zone	935.14	926.45	0.02	Downward	925.65	0.01	Downward
MW-34BR	Bedrock	935.11	925.13			924.87		
MW-35S	Shallow	930.06	928	0.00	Downward	926.79	-0.02	Upward
MW-35TZ	Transition Zone	930.12	927.99			927.11		
MW-35TZ	Transition Zone	930.12	927.99	0.01	Downward	927.11	0.00	Upward
MW-35BR	Bedrock	928.05	927.31			927.14		
MW-36S	Shallow	937.18	931.7	0.01	Downward	931.02	0.01	Downward
MW-36TZ	Transition Zone	936.89	931.47			930.76		
MW-36TZ	Transition Zone	936.89	931.47	0.00	Downward	930.76	-0.01	Upward
MW-36BR	Bedrock	936.72	931.43			930.89		
MW-37S	Shallow	940.16	934.13	0.01	Downward	933.3	0.00	Downward
MW-37TZ	Transition Zone	940.15	933.73			933.07		
MW-37TZ	Transition Zone	940.15	933.73	0.03	Downward	933.07	0.02	Downward
MW-37BR	Bedrock	940.09	932.42			932.08		
MW-38S	Shallow	926.48	924.92	0.02	Downward	923.25	0.00	Downward
MW-38BR	Bedrock	926.5	924.65			923.19		
MW-39S	Shallow	935.55	926.27	0.00	Downward	926.26	0.01	Downward
MW-39BR	Bedrock	935.25	926.19			925.92		
MW-39S	Shallow	935.55	926.27	0.02	Downward	926.26	0.03	Downward
MW-39BRL	Bedrock	935.17	925.11			924.44		
MW-41S	Shallow	930.13	927.97	0.00	Upward	927.48	0.01	Downward
MW-41TZ	Transition Zone	929.94	928.11			927.11		
MW-41TZ	Transition Zone	929.94	928.11	0.02	Downward	927.11	0.00	Upward
MW-41BR	Bedrock	929.92	927.56			927.2		
MW-42S	Shallow	937.47	931.51	0.00	Downward	931.01	0.00	Downward
MW-42TZ	Transition Zone	937.04	931.47			930.93		
MW-42TZ	Transition Zone	937.04	931.47	0.00	Upward	930.93	0.00	Downward
MW-42BR	Bedrock	936.84	931.56			930.87		
MW-43S	Shallow	938.17	933.15	0.00	Downward	931.81	0.00	Downward
MW-43TZ	Transition Zone	938.09	933.1			931.75		
MW-43TZ	Transition Zone	938.09	933.1	0.01	Downward	931.75	0.01	Downward
MW-43BR	Bedrock	938.06	932.65			931.42		

TABLE 4-2
VERTICAL HYDRAULIC GRADIENTS
SEMIANNUAL MONITORING REPORT - FALL 2022
Former Bramlette MGP Site
Greenville, South Carolina

Well ID	Zone	Ground Surface Elevation (ft-NAVD 88)	Q3-2020			Q3-2022		
			Water Level Elevation (ft-NAVD 88)	Vertical Gradient and Direction		Water Level Elevation (ft-NAVD 88)	Vertical Gradient and Direction	
MW-44TZ	Transition Zone	938.06	920.88	0.00	Upward	919.92	-0.01	Upward
MW-44BR	Bedrock	937.74	920.94			920.26		
MW-48S	Shallow	932.8	920.52	-0.03	Upward	919.89	-0.02	Upward
MW-48TZ	Transition Zone	932.72	921.22			920.41		

Notes:

Calculated gradients are limited to two signifcant figures, due to water level measurement limitations.

Results that are shown as "0.00" do have a vertical gradient, but the result is less than one hundredth of a foot.

Q3-2020 water levels collected on 9/21/2020.

* - Water levels collected during the Q3 sampling event on 9/24/2020.

Q3-2022 water levels collected on 9/26/2022.

BTOC - below top of casing

ft - feet

NAVD 88 - North American Vertical Datum 1988

TABLE 5-1
SUMMARY OF FALL 2022 GROUNDWATER ANALYTICAL RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-1	MW-2BR	MW-2TZ	MW-3	MW-3BR	MW-3BRL	MW-5	MW-7R	MW-9R
	Well Screen Interval (ft bls):		5 - 15	55 - 60	27 - 32	9 - 14	60 - 64	99 - 104	4 - 14	5 - 15	21 - 26
	Sample Collection Date:		10/03/2022	10/04/2022	10/04/2022	10/03/2022	10/03/2022	10/03/2022	09/28/2022	09/29/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units									
Volatile Organic Compounds (USEPA Method 8260)											
1,2-Dichlorobenzene	600	µg/L	12.5 U	10.0 U	25.0 U	1.0 U	4.0 U	20.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	12.5 U	10.0 U	25.0 U	1.0 U	4.0 U	20.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	**15.8**	**767**	**994**	1.0 U	**181**	**532**	1.0 U	3.9	1.0 U
Ethylbenzene	700	µg/L	28.5	107	281	1.0 U	28.4	143	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	21.3 J	60.1	62.4	2.0 U	44.8	109	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	**1700**	**1930**	**3630**	1.0 U	**763**	**3400**	1.0 U	14.0	1.0 U
O-Xylene	NE	µg/L	17.8	45.8	24.5 J	1.0 U	25.6	60.1	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	12.5 U	10.0 U	25.0 U	1.0 U	4.0 U	20.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	12.5 U	10.0 U	25.0 U	1.0 U	13.5	42.2	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	6.6 J	15.1	12.3 J	1.0 U	70.8	149	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	39.1	106	86.9	1.0 U	70.4	169	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)											
1-Methylnaphthalene	NE	µg/L	722	123	391	8.9 J	57.6	267	10.0 U	8.3 U	8.3 U
2-Methylnaphthalene	NE	µg/L	710	111	522	4.8 J	76.0	314	10.0 U	8.3 U	8.3 U
Acenaphthene	NE	µg/L	305	75.5	180	9.2 J	13.4	50.1	10.0 U	8.3 U	8.3 U
Acenaphthylene	NE	µg/L	9.1 U	3.6 J	10.0 U	10.0 U	35.0	156	10.0 U	8.3 U	8.3 U
Anthracene	NE	µg/L	15.5	10.0 U	2.4 J	10.0 U	8.7 U	5.2 J	10.0 U	8.3 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	9.1 U	10.0 U	10.0 U	10.0 U	8.7 U	9.1 U	10.0 U	8.3 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	1.0 U	1.0 U	1.0 U	0.10 U	1.0 U	1.0 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.1 U	10.0 U	10.0 U	10.0 U	8.7 U	9.1 U	10.0 U	8.3 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	9.1 U	10.0 U	10.0 U	10.0 U	8.7 U	9.1 U	10.0 U	8.3 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	9.1 U	10.0 U	10.0 U	10.0 U	8.7 U	9.1 U	10.0 U	8.3 U	8.3 U
Chrysene	NE	µg/L	9.1 U	10.0 U	10.0 U	10.0 U	8.7 U	9.1 U	10.0 U	8.3 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.1 U	10.0 U	10.0 U	10.0 U	8.7 U	9.1 U	10.0 U	8.3 U	8.3 U
Dibenzofuran	NE	µg/L	32.5	3.2 J	10.6	10.0 U	2.3 J	12.8	10.0 U	8.3 U	8.3 U
Fluoranthene	NE	µg/L	4.2 J	10.0 U	10.0 U	10.0 U	8.7 U	9.1 U	10.0 U	8.3 U	8.3 U
Fluorene	NE	µg/L	90.6	11.4	37.4	3.2 J	7.5 J	42.5	10.0 U	8.3 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.1 U	10.0 U	10.0 U	10.0 U	8.7 U	9.1 U	10.0 U	8.3 U	8.3 U
Phenanthrene	NE	µg/L	93.4	8.4 J	23.2	4.5 J	5.2 J	41.0	10.0 U	8.3 U	8.3 U
Pyrene	NE	µg/L	5.7 J	10.0 U	10.0 U	10.0 U	8.7 U	2.5 J	10.0 U	8.3 U	8.3 U
Field Parameters											
Dissolved Oxygen	NE	mg/L	3.16	2.8	2.3	0.15	3.05	2.07	0.47	0.43	0.62
Oxidation-Reduction Potential	NE	mV	-89.3	-171.4	-116	14.4	-1.6	-267.1	21.8	201.4	228.5
pH	NE	SU	6.82	9.02	6.78	6.58	9.64	7.86	5.66	6.2	5.09
Specific Conductance	NE	µS/cm	0.36	0.62	0.51	0.718	0.34	1.17	0.17	118.2	136.3
Temperature	NE	deg c	18.7	19	19.1	20.8	17.5	16.7	21.2	19.1	18.2
Turbidity	NE	NTU	3.14	1.77	0.62	3.68	4.01	8.06	4.75	9.92	0.12

TABLE 5-1
SUMMARY OF FALL 2022 GROUNDWATER ANALYTICAL RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-13R	MW-15	MW-16	MW-18	MW-18	MW-20	MW-21	MW-21BR	MW-21BRL
	Well Screen Interval (ft bls):		10 - 20	50 - 55	5 - 15	10 - 24	10 - 24	20 - 25	5 - 18	37 - 42	60 - 65
	Sample Collection Date:		09/28/2022	09/29/2022	09/29/2022	10/04/2022	10/04/2022	10/03/2022	09/29/2022	09/29/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units					(DUP)				
Volatile Organic Compounds (USEPA Method 8260)											
1,2-Dichlorobenzene	600	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	25.0 U	1.0 U	1.0 U	12.5 U
1,4-Dichlorobenzene	75	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	25.0 U	1.0 U	1.0 U	12.5 U
Benzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**192**	0.38 J	1.0 U	**31.7**
Ethylbenzene	700	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	238	0.33 J	1.0 U	47.4
m,p-Xylenes	NE	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	117	2.0 U	2.0 U	186
Naphthalene	25	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**4640**	3.2	1.0 U	**1740**
O-Xylene	NE	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	56.7	1.0 U	1.0 U	78.9
p-Isopropyltoluene	NE	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	25.0 U	1.0 U	1.0 U	12.5 U
Styrene	100	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	25.0 U	1.0 U	1.0 U	**164**
Toluene	1000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	21.4 J	1.0 U	1.0 U	321
Total Xylenes	10000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	174	1.0 U	1.0 U	265
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)											
1-Methylnaphthalene	NE	µg/L	8.3 U	8.3 U	8.3 U	8.7 U	8.7 U	395	8.3 U	9.1 U	32.6
2-Methylnaphthalene	NE	µg/L	8.3 U	8.3 U	8.3 U	8.7 U	8.7 U	651	8.3 U	9.1 U	38.6
Acenaphthene	NE	µg/L	8.3 U	8.3 U	8.3 U	8.7 U	2.9 J	174	8.3 U	9.1 U	2.1 J
Acenaphthylene	NE	µg/L	8.3 U	8.3 U	8.3 U	8.7 U	8.7 U	8.7 U	8.3 U	9.1 U	31.4
Anthracene	NE	µg/L	8.3 U	8.3 U	8.3 U	8.7 U	8.7 U	6.1 J	8.3 U	9.1 U	8.7 U
Benzo(A)Anthracene	NE	µg/L	8.3 U	8.3 U	8.3 U	8.7 U	8.7 U	8.7 U	8.3 U	9.1 U	8.7 U
Benzo(A)Pyrene	0.2	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	0.10 U	0.10 U	1.0 U
Benzo(B)Fluoranthene	NE	µg/L	8.3 U	8.3 U	8.3 U	8.7 U	8.7 U	8.7 U	8.3 U	9.1 U	8.7 U
Benzo(G,H,I)Perylene	NE	µg/L	8.3 U	8.3 U	8.3 U	8.7 U	8.7 U	8.7 U	8.3 U	9.1 U	8.7 U
Benzo(K)Fluoranthene	NE	µg/L	8.3 U	8.3 U	8.3 U	8.7 U	8.7 U	8.7 U	8.3 U	9.1 U	8.7 U
Chrysene	NE	µg/L	8.3 U	8.3 U	8.3 U	8.7 U	8.7 U	8.7 U	8.3 U	9.1 U	8.7 U
Dibenzo(A,H)Anthracene	NE	µg/L	8.3 U	8.3 U	8.3 U	8.7 U	8.7 U	8.7 U	8.3 U	9.1 U	8.7 U
Dibenzofuran	NE	µg/L	8.3 U	8.3 U	8.3 U	8.7 U	8.7 U	14.0	8.3 U	9.1 U	8.7 U
Fluoranthene	NE	µg/L	8.3 U	8.3 U	8.3 U	8.7 U	8.7 U	8.7 U	8.3 U	9.1 U	8.7 U
Fluorene	NE	µg/L	8.3 U	8.3 U	8.3 U	8.7 U	8.7 U	46.9	8.3 U	9.1 U	4.0 J
Indeno(1,2,3-cd)pyrene	NE	µg/L	8.3 U	8.3 U	8.3 U	8.7 U	8.7 U	8.7 U	8.3 U	9.1 U	8.7 U
Phenanthrene	NE	µg/L	8.3 U	8.3 U	8.3 U	8.7 U	8.7 U	44.6	8.3 U	9.1 U	8.7 U
Pyrene	NE	µg/L	8.3 U	8.3 U	8.3 U	8.7 U	8.7 U	2.2 J	8.3 U	9.1 U	8.7 U
Field Parameters											
Dissolved Oxygen	NE	mg/L	0.85	3.87	0.19	3.94	3.94	0.16	0.22	0.52	0.5
Oxidation-Reduction Potential	NE	mV	63.7	197.2	-46	-45.9	-45.9	46	-85.3	242.8	-176.1
pH	NE	SU	4.74	6.03	6.37	6.41	6.41	6.28	6.86	7.39	9.26
Specific Conductance	NE	µS/cm	0.119	108.8	928	0.3	0.3	0.202	0.64	0.44	0.24
Temperature	NE	deg c	19.6	18.1	18.8	17.4	17.4	18.8	18.9	15.3	16.4
Turbidity	NE	NTU	0.35	2.13	6.55	3.52	3.52	6.75	2.01	2.97	1.81

TABLE 5-1
SUMMARY OF FALL 2022 GROUNDWATER ANALYTICAL RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-22	MW-25R	MW-26	MW-27	MW-28	MW-29BR	MW-29S	MW-29TZ	MW-30S	MW-30S
	Well Screen Interval (ft bls):		25 - 35	2 - 17	45 - 55	25 - 35	35 - 45	81 - 86	5 - 15	26 - 31	5 - 20	5 - 20
	Sample Collection Date:		09/28/2022	10/04/2022	09/29/2022	09/28/2022	09/29/2022	09/27/2022	09/27/2022	09/27/2022	10/04/2022	10/04/2022
	SCDHEC MCL (R.61-58)	Units										(DUP)
Volatile Organic Compounds (USEPA Method 8260)												
1,2-Dichlorobenzene	600	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	40.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	40.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**192**	1.0 U	**1950**	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20.6	1.0 U	499	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	45.6	2.0 U	201	2.0 U	2.0 U
Naphthalene	25	µg/L	1.0 U	0.67 J	1.0 U	1.0 U	1.0 U	**595**	1.0 U	**7220**	1.0 U	1.0 U
O-Xylene	NE	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	21.2	1.0 U	123	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	40.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	48.6	1.0 U	40.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	162	1.0 U	30.0 J	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	66.8	1.0 U	325	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)												
1-Methylnaphthalene	NE	µg/L	10.0 U	9.1 U	8.3 U	9.1 U	8.3 U	2.6	9.1 U	214	8.7 U	8.7 U
2-Methylnaphthalene	NE	µg/L	10.0 U	9.1 U	8.3 U	9.1 U	8.3 U	3.0	9.1 U	352	8.7 U	8.7 U
Acenaphthene	NE	µg/L	10.0 U	9.1 U	8.3 U	9.1 U	8.3 U	0.90 U	9.1 U	100	8.7 U	8.7 U
Acenaphthylene	NE	µg/L	10.0 U	9.1 U	8.3 U	9.1 U	8.3 U	1.5	9.1 U	10.0 U	8.7 U	8.7 U
Anthracene	NE	µg/L	10.0 U	9.1 U	8.3 U	9.1 U	8.3 U	0.90 U	9.1 U	3.0 J	8.7 U	8.7 U
Benzo(A)Anthracene	NE	µg/L	10.0 U	9.1 U	8.3 U	9.1 U	8.3 U	0.90 U	9.1 U	10.0 U	8.7 U	8.7 U
Benzo(A)Pyrene	0.2	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10.0 U	9.1 U	8.3 U	9.1 U	8.3 U	0.90 U	9.1 U	10.0 U	8.7 U	8.7 U
Benzo(G,H,I)Perylene	NE	µg/L	10.0 U	9.1 U	8.3 U	9.1 U	8.3 U	0.90 U	9.1 U	10.0 U	8.7 U	8.7 U
Benzo(K)Fluoranthene	NE	µg/L	10.0 U	9.1 U	8.3 U	9.1 U	8.3 U	0.90 U	9.1 U	10.0 U	8.7 U	8.7 U
Chrysene	NE	µg/L	10.0 U	9.1 U	8.3 U	9.1 U	8.3 U	0.90 U	9.1 U	10.0 U	8.7 U	8.7 U
Dibenzo(A,H)Anthracene	NE	µg/L	10.0 U	9.1 U	8.3 U	9.1 U	8.3 U	0.90 U	9.1 U	10.0 U	8.7 U	8.7 U
Dibenzofuran	NE	µg/L	10.0 U	9.1 U	8.3 U	9.1 U	8.3 U	0.90 U	9.1 U	7.0 J	8.7 U	8.7 U
Fluoranthene	NE	µg/L	10.0 U	9.1 U	8.3 U	9.1 U	8.3 U	0.90 U	9.1 U	10.0 U	8.7 U	8.7 U
Fluorene	NE	µg/L	10.0 U	9.1 U	8.3 U	9.1 U	8.3 U	0.28 J	9.1 U	20.2	8.7 U	8.7 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10.0 U	9.1 U	8.3 U	9.1 U	8.3 U	0.90 U	9.1 U	10.0 U	8.7 U	8.7 U
Phenanthrene	NE	µg/L	10.0 U	9.1 U	8.3 U	9.1 U	8.3 U	0.90 U	9.1 U	17.5	8.7 U	8.7 U
Pyrene	NE	µg/L	10.0 U	9.1 U	8.3 U	9.1 U	8.3 U	0.90 U	9.1 U	10.0 U	8.7 U	8.7 U
Field Parameters												
Dissolved Oxygen	NE	mg/L	1.41	2.94	2.65	0.69	0.17	0.41	0.3	1	0.34	0.34
Oxidation-Reduction Potential	NE	mV	94.2	-109.2	150.8	199.1	173	-113	32.2	-45.1	-30.1	-30.1
pH	NE	SU	5.7	6.87	6.28	5.29	6.34	9.24	6.14	6.16	6.29	6.29
Specific Conductance	NE	µS/cm	0.177	0.25	130.4	0.07	143.7	0.306	0.77	0.372	367.1	367.1
Temperature	NE	deg c	20.3	23.5	19.3	18.5	18.5	18.7	20.3	18.6	18.9	18.9
Turbidity	NE	NTU	1.26	9	2.78	1.38	9.21	0.63	4.64	3.29	3.62	3.62

TABLE 5-1
SUMMARY OF FALL 2022 GROUNDWATER ANALYTICAL RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-30TZ	MW-31S	MW-31TZ	MW-32S	MW-32TZ	MW-33S	MW-33TZ	MW-34BR	MW-34S
	Well Screen Interval (ft bls):		35 - 40	5 - 20	28 - 38	20 - 35	56 - 66	5 - 20	35 - 40	103 - 108	10 - 25
	Sample Collection Date:		10/04/2022	10/03/2022	10/03/2022	10/03/2022	10/03/2022	10/03/2022	10/03/2022	09/27/2022	09/27/2022
	SCDHEC MCL (R.61-58)	Units									
Volatile Organic Compounds (USEPA Method 8260)											
1,2-Dichlorobenzene	600	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.8	1.0 U
Ethylbenzene	700	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2	1.0 U
O-Xylene	NE	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)											
1-Methylnaphthalene	NE	µg/L	9.1 U	10.0 U	8.3 U	9.1 U	9.1 U	8.7 U	8.3 U	9.1 U	9.1 U
2-Methylnaphthalene	NE	µg/L	9.1 U	10.0 U	8.3 U	9.1 U	9.1 U	8.7 U	8.3 U	9.1 U	9.1 U
Acenaphthene	NE	µg/L	9.1 U	4.9 J	8.3 U	9.1 U	9.1 U	8.7 U	8.3 U	9.1 U	9.1 U
Acenaphthylene	NE	µg/L	9.1 U	10.0 U	8.3 U	9.1 U	9.1 U	8.7 U	8.3 U	9.1 U	9.1 U
Anthracene	NE	µg/L	9.1 U	10.0 U	8.3 U	9.1 U	9.1 U	8.7 U	8.3 U	9.1 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	9.1 U	10.0 U	8.3 U	9.1 U	9.1 U	8.7 U	8.3 U	9.1 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.1 U	10.0 U	8.3 U	9.1 U	9.1 U	8.7 U	8.3 U	9.1 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	9.1 U	10.0 U	8.3 U	9.1 U	9.1 U	8.7 U	8.3 U	9.1 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	9.1 U	10.0 U	8.3 U	9.1 U	9.1 U	8.7 U	8.3 U	9.1 U	9.1 U
Chrysene	NE	µg/L	9.1 U	10.0 U	8.3 U	9.1 U	9.1 U	8.7 U	8.3 U	9.1 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.1 U	10.0 U	8.3 U	9.1 U	9.1 U	8.7 U	8.3 U	9.1 U	9.1 U
Dibenzofuran	NE	µg/L	9.1 U	10.0 U	8.3 U	9.1 U	9.1 U	8.7 U	8.3 U	9.1 U	9.1 U
Fluoranthene	NE	µg/L	9.1 U	10.0 U	8.3 U	9.1 U	9.1 U	8.7 U	8.3 U	9.1 U	9.1 U
Fluorene	NE	µg/L	9.1 U	10.0 U	8.3 U	9.1 U	9.1 U	8.7 U	8.3 U	9.1 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.1 U	10.0 U	8.3 U	9.1 U	9.1 U	8.7 U	8.3 U	9.1 U	9.1 U
Phenanthrene	NE	µg/L	9.1 U	10.0 U	8.3 U	9.1 U	9.1 U	8.7 U	8.3 U	9.1 U	9.1 U
Pyrene	NE	µg/L	9.1 U	10.0 U	8.3 U	9.1 U	9.1 U	8.7 U	8.3 U	9.1 U	9.1 U
Field Parameters											
Dissolved Oxygen	NE	mg/L	2.7	3.2	0.2	8.3	0.21	0.22	5.8	0.36	0.54
Oxidation-Reduction Potential	NE	mV	-4.3	-40.3	28.9	97.2	136.3	-28.4	-61.3	-324	-103.7
pH	NE	SU	6.08	5.98	6.24	5.42	5.94	6.56	2.01	9.97	6.59
Specific Conductance	NE	µS/cm	0.28	0.25	346.3	0.2	252.1	696	0.27	0.77	1.159
Temperature	NE	deg c	17.3	18	17.9	12.6	17.1	20.6	19.1	19.4	18.2
Turbidity	NE	NTU	39.2	0.25	3.87	2.59	1.02	1.95	2.02	9.09	6.58

TABLE 5-1
SUMMARY OF FALL 2022 GROUNDWATER ANALYTICAL RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-34TZ	MW-35BR	MW-35S	MW-35TZ	MW-36BR	MW-36S	MW-36S	MW-36TZ	MW-37BR
	Well Screen Interval (ft bls):		40 - 50	140 - 150	5 - 15	30 - 35	63 - 68	5 - 20	5 - 20	40 - 45	111 - 116
	Sample Collection Date:		09/27/2022	09/29/2022	09/29/2022	09/29/2022	09/28/2022	09/28/2022	09/28/2022	09/28/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units							(DUP)		
Volatile Organic Compounds (USEPA Method 8260)											
1,2-Dichlorobenzene	600	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**5.8**	**6.4**	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22.6	23.2	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	19.2	19.6	2.0 U	2.0 U
Naphthalene	25	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**200**	**187**	1.0 U	1.0 U
O-Xylene	NE	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	13.6	13.2	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	2.2	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.63 J	0.72 J	1.0 U	1.0 U
Toluene	1000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	6.8	7.0	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	32.8	32.8	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)											
1-Methylnaphthalene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	8.3 U	19.0	16.7	8.3 U	8.3 U
2-Methylnaphthalene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	8.3 U	3.2 J	2.7 J	8.3 U	8.3 U
Acenaphthene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	8.3 U	11.4	9.7	8.3 U	8.3 U
Acenaphthylene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	8.3 U	3.3 J	2.7 J	8.3 U	8.3 U
Anthracene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U
Chrysene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U
Dibenzofuran	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	8.3 U	6.6 J	5.5 J	8.3 U	8.3 U
Fluoranthene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U
Fluorene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	8.3 U	3.9 J	3.3 J	8.3 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U
Phenanthrene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	8.3 U	5.5 J	4.7 J	8.3 U	8.3 U
Pyrene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U
Field Parameters											
Dissolved Oxygen	NE	mg/L	0.66	0.18	0.2	0.27	0.18	0.2	0.2	2.65	0.16
Oxidation-Reduction Potential	NE	mV	-109	-209.4	178.2	5.2	-85.7	-98	-98	434.2	72.1
pH	NE	SU	7.62	8.11	6.36	6.64	6.5	6.17	6.17	6.11	7.04
Specific Conductance	NE	µS/cm	0.38	598	160.7	263.6	224.2	412.1	412.1	119.3	353.8
Temperature	NE	deg c	20.2	18.6	19.2	18.6	19.7	20.7	20.7	20.4	19.7
Turbidity	NE	NTU	8.98	0.87	4.72	0.98	10.3	2.9	2.9	2.55	6.87

TABLE 5-1
SUMMARY OF FALL 2022 GROUNDWATER ANALYTICAL RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-37S	MW-37TZ	MW-38BR	MW-38S	MW-39BR	MW-39BRL	MW-39S	MW-39S	MW-40BR
	Well Screen Interval (ft bls):		5 - 20	65 - 70	42 - 47	5 - 20	45 - 50	75 - 80	9 - 24	9 - 24	65 - 75
	Sample Collection Date:		09/28/2022	09/28/2022	09/29/2022	09/29/2022	09/29/2022	09/29/2022	09/29/2022	09/29/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units								(DUP)	
Volatile Organic Compounds (USEPA Method 8260)											
1,2-Dichlorobenzene	600	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.49 J	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.40 J	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)											
1-Methylnaphthalene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	9.1 U	9.1 U	12.2	10.0 U	9.1 U
2-Methylnaphthalene	NE	µg/L	1.7 J	8.3 U	9.1 U	8.3 U	9.1 U	9.1 U	14.2	10.0 U	9.1 U
Acenaphthene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	9.1 U	9.1 U	10.0 U	10.0 U	9.1 U
Acenaphthylene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	9.1 U	9.1 U	11.3	10.0 U	9.1 U
Anthracene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	9.1 U	9.1 U	10.0 U	10.0 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	9.1 U	9.1 U	10.0 U	10.0 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	9.1 U	9.1 U	10.0 U	10.0 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	9.1 U	9.1 U	10.0 U	10.0 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	9.1 U	9.1 U	10.0 U	10.0 U	9.1 U
Chrysene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	9.1 U	9.1 U	10.0 U	10.0 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	9.1 U	9.1 U	10.0 U	10.0 U	9.1 U
Dibenzofuran	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	9.1 U	9.1 U	10.0 U	10.0 U	9.1 U
Fluoranthene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	9.1 U	9.1 U	10.0 U	10.0 U	9.1 U
Fluorene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	9.1 U	9.1 U	10.0 U	10.0 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	9.1 U	9.1 U	10.0 U	10.0 U	9.1 U
Phenanthrene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	9.1 U	9.1 U	10.0 U	10.0 U	9.1 U
Pyrene	NE	µg/L	8.3 U	8.3 U	9.1 U	8.3 U	9.1 U	9.1 U	10.0 U	10.0 U	9.1 U
Field Parameters											
Dissolved Oxygen	NE	mg/L	2.12	0.5	0.28	0.19	1.27	0.23	0.63	0.63	1.27
Oxidation-Reduction Potential	NE	mV	672.2	-172.2	-42.9	-20.2	-92.6	-141	186.5	186.5	177.4
pH	NE	SU	5.5	8.28	7.5	6.31	7.28	9.22	6.26	6.26	6.84
Specific Conductance	NE	µS/cm	109.7	650	0.294	0.22	0.37	0.443	0.214	0.214	0.31
Temperature	NE	deg c	19.8	19	16.2	17.4	17.4	16.2	15.6	15.6	17.6
Turbidity	NE	NTU	7.29	4.7	1.37	2.02	0.93	3.34	1.5	1.5	0.57

TABLE 5-1
SUMMARY OF FALL 2022 GROUNDWATER ANALYTICAL RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-41BR	MW-41S	MW-41TZ	MW-42BR	MW-42S	MW-42TZ	MW-43BR	MW-43S	MW-43TZ
	Well Screen Interval (ft bls):		80 - 90	5 - 20	45 - 55	72 - 77	5 - 20	50 - 55	110 - 115	5 - 20	61 - 71
	Sample Collection Date:		09/28/2022	09/28/2022	09/28/2022	09/28/2022	09/28/2022	09/28/2022	09/28/2022	09/27/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units									
Volatile Organic Compounds (USEPA Method 8260)											
1,2-Dichlorobenzene	600	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.36 J	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.1	1.0 U	1.0 U
O-Xylene	NE	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)											
1-Methylnaphthalene	NE	µg/L	9.1 U	9.1 U	10.0 U	8.3 U	8.3 U	8.3 U	8.3 U	10.0 U	8.3 U
2-Methylnaphthalene	NE	µg/L	9.1 U	9.1 U	10.0 U	8.3 U	8.3 U	8.3 U	8.3 U	10.0 U	8.3 U
Acenaphthene	NE	µg/L	9.1 U	9.1 U	10.0 U	8.3 U	8.3 U	8.3 U	8.3 U	10.0 U	8.3 U
Acenaphthylene	NE	µg/L	9.1 U	9.1 U	10.0 U	8.3 U	8.3 U	8.3 U	8.3 U	10.0 U	8.3 U
Anthracene	NE	µg/L	9.1 U	9.1 U	10.0 U	8.3 U	8.3 U	8.3 U	8.3 U	10.0 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	9.1 U	9.1 U	10.0 U	8.3 U	8.3 U	8.3 U	8.3 U	10.0 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.1 U	9.1 U	10.0 U	8.3 U	8.3 U	8.3 U	8.3 U	10.0 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	9.1 U	9.1 U	10.0 U	8.3 U	8.3 U	8.3 U	8.3 U	10.0 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	9.1 U	9.1 U	10.0 U	8.3 U	8.3 U	8.3 U	8.3 U	10.0 U	8.3 U
Chrysene	NE	µg/L	9.1 U	9.1 U	10.0 U	8.3 U	8.3 U	8.3 U	8.3 U	10.0 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.1 U	9.1 U	10.0 U	8.3 U	8.3 U	8.3 U	8.3 U	10.0 U	8.3 U
Dibenzofuran	NE	µg/L	9.1 U	9.1 U	10.0 U	8.3 U	8.3 U	8.3 U	8.3 U	10.0 U	8.3 U
Fluoranthene	NE	µg/L	9.1 U	9.1 U	10.0 U	8.3 U	8.3 U	8.3 U	8.3 U	10.0 U	8.3 U
Fluorene	NE	µg/L	9.1 U	9.1 U	10.0 U	8.3 U	8.3 U	8.3 U	8.3 U	10.0 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.1 U	9.1 U	10.0 U	8.3 U	8.3 U	8.3 U	8.3 U	10.0 U	8.3 U
Phenanthrene	NE	µg/L	9.1 U	9.1 U	10.0 U	8.3 U	8.3 U	8.3 U	8.3 U	10.0 U	8.3 U
Pyrene	NE	µg/L	9.1 U	9.1 U	10.0 U	8.3 U	8.3 U	8.3 U	8.3 U	10.0 U	8.3 U
Field Parameters											
Dissolved Oxygen	NE	mg/L	0.59	0.3	2.18	0.23	2.52	3.03	0.29	1.82	0.55
Oxidation-Reduction Potential	NE	mV	-201	5.8	-138	32.3	192.8	206	-115	158.4	151.2
pH	NE	SU	7.95	5.53	7.29	6.84	5.5	5.16	7.75	4.97	6.21
Specific Conductance	NE	µS/cm	0.862	0.137	0.99	158.4	99.3	134.2	295.5	98.6	97.3
Temperature	NE	deg c	17.2	19	17.3	20.1	20.4	19.3	17.4	18.5	17
Turbidity	NE	NTU	1.1	2.5	3.9	7.12	9.19	0.55	2.1	59.3	6.8

TABLE 5-1
SUMMARY OF FALL 2022 GROUNDWATER ANALYTICAL RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-44BR	MW-44TZ	MW-45BR	MW-46BR	MW-47BR	MW-48S	MW-48TZ	MW-50S	MW-50TZ
	Well Screen Interval (ft bls):		50 - 60	20 - 25	80 - 90	170 - 180	110 - 120	15 - 30	45 - 55	5 - 15	29 - 34
	Sample Collection Date:		10/04/2022	10/04/2022	10/03/2022	10/03/2022	10/03/2022	10/03/2022	10/03/2022	09/27/2022	09/27/2022
	SCDHEC MCL (R.61-58)	Units									
Volatile Organic Compounds (USEPA Method 8260)											
1,2-Dichlorobenzene	600	µg/L	1.0 U	1.0 U	2.0 U	1.0 U	25.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1.0 U	1.0 U	2.0 U	1.0 U	25.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1.0 U	1.0 U	**74.3**	1.0 U	**167**	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1.0 U	1.0 U	15.6	1.0 U	215	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2.0 U	2.0 U	11.7	2.0 U	688	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1.0 U	1.0 U	**215**	3.4	**2620**	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1.0 U	1.0 U	7.3	1.0 U	353	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1.0 U	1.0 U	2.0 U	1.0 U	25.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1.0 U	1.0 U	3.3	1.0 U	75.9	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1.0 U	1.0 U	25.2	1.0 U	992	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1.0 U	1.0 U	19.1	1.0 U	1040	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)											
1-Methylnaphthalene	NE	µg/L	8.7 U	9.1 U	7.8 J	10.0 U	141	9.1 U	9.1 U	10.0 U	8.3 U
2-Methylnaphthalene	NE	µg/L	8.7 U	9.1 U	9.9 J	10.0 U	237	2.0 J	1.7 J	10.0 U	8.3 U
Acenaphthene	NE	µg/L	8.7 U	9.1 U	2.9 J	10.0 U	7.2 J	9.1 U	9.1 U	10.0 U	8.3 U
Acenaphthylene	NE	µg/L	8.7 U	9.1 U	10.0 U	10.0 U	89.3	9.1 U	9.1 U	10.0 U	8.3 U
Anthracene	NE	µg/L	8.7 U	9.1 U	10.0 U	10.0 U	2.2 J	9.1 U	9.1 U	10.0 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	8.7 U	9.1 U	10.0 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	0.10 U	0.10 U	1.0 U	0.10 U	1.0 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	8.7 U	9.1 U	10.0 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	8.7 U	9.1 U	10.0 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	8.7 U	9.1 U	10.0 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U	8.3 U
Chrysene	NE	µg/L	8.7 U	9.1 U	10.0 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	8.7 U	9.1 U	10.0 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U	8.3 U
Dibenzofuran	NE	µg/L	8.7 U	9.1 U	10.0 U	10.0 U	4.9 J	9.1 U	9.1 U	10.0 U	8.3 U
Fluoranthene	NE	µg/L	8.7 U	9.1 U	10.0 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U	8.3 U
Fluorene	NE	µg/L	8.7 U	9.1 U	10.0 U	10.0 U	15.8	9.1 U	9.1 U	10.0 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	8.7 U	9.1 U	10.0 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U	8.3 U
Phenanthrene	NE	µg/L	8.7 U	9.1 U	10.0 U	10.0 U	15.0	9.1 U	9.1 U	10.0 U	8.3 U
Pyrene	NE	µg/L	8.7 U	9.1 U	10.0 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U	8.3 U
Field Parameters											
Dissolved Oxygen	NE	mg/L	1.52	5.7	0.2	0.28	2.97	2.1	0.18	1.53	2.48
Oxidation-Reduction Potential	NE	mV	422.6	222.8	20	73.8	36.8	-7.8	-115.2	202	156.4
pH	NE	SU	10.74	5.67	11.2	8.32	12.7	6.37	7.3	5.03	5.21
Specific Conductance	NE	µS/cm	0.22	0.065	0.779	0.236	3.6	0.75	198.3	0.121	0.164
Temperature	NE	deg c	18.3	18.1	18	18.3	16.4	19.8	18.7	19	19
Turbidity	NE	NTU	4.08	4.6	2.97	1.89	5.52	0	0.1	4.31	1.56

TABLE 5-1
SUMMARY OF FALL 2022 GROUNDWATER ANALYTICAL RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Notes:
mg/L - milligrams per liter
µg/L - micrograms per liter
ft bls - feet below land surface
J - estimated value
R - rejected due to serious deficiencies in ability to analyze the sample and meet quality control criteria
U - analyte not detected about quantitation limit; reporting limit shown
UJ - analyte not detected above quantitation limit but reported quantitation limit is approximate
DUP - indicates duplicate sample collection
SU - standard pH units
µS/cm - micro-siemens per centimeter
mV - milli-volt
NTU - nephelometric turbidity unit
SCDHEC - South Carolina Department of Health and Environmental Control
MCL - maximum contaminant level
Bold/shaded value indicates that the concentration exceeds the SCDHEC (R. 61-58) MCL.
Red shaded date cells indicates a sample was collected during the September/October 2022 sampling event.

TABLE 5-2
SUMMARY OF FALL 2022 GROUNDWATER GEOCHEMISTRY RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-13R	MW-21	MW-29S	MW-1S	MW-29TZ	MW-31TZ
	Well Screen Interval (ft bls):		10 - 20	5 - 18	5 - 15	50 - 55	26 - 31	28 - 38
	Sample Collection Date:		09/28/2022	09/29/2022	10/05/2022	09/29/2022	10/05/2022	10/03/2022
	SCDHEC MCL (R.61-58)	Units	Shallow Flow Zone			Transition Flow Zone		
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	40.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	40.0 U	1.0 U
Benzene	5	µg/L	1.0 U	0.38 J	1.0 U	1.0 U	**1950**	1.0 U
Ethylbenzene	700	µg/L	1.0 U	0.33 J	1.0 U	1.0 U	499	1.0 U
m,p-Xylenes	NE	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	201	2.0 U
Naphthalene	25	µg/L	1.0 U	3.2	1.0 U	1.0 U	**7220**	1.0 U
O-Xylene	NE	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	123	1.0 U
p-isopropyltoluene	NE	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	40.0 U	1.0 U
Styrene	100	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	40.0 U	1.0 U
Toluene	1000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	30.0 J	1.0 U
Total Xylenes	10000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	325	1.0 U
Natural Attenuation and Others								
Sulfate	NE	mg/L	31.1	1.0 U	19.9	2.2	1.0 U	7.8
Sulfide	NE	mg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Total Organic Carbon	NE	mg/L	0.99 J	4.5	5.9	1.0 U	7.0	2.1
Iron, Dissolved	NE	µg/L	50.0 U	2010	14000	50.0 U	14100	977
Iron, Total	NE	µg/L	104	20700	17100	50.0 U	17200	7000
Manganese, Dissolved	NE	µg/L	251	324	873	5.0 U	144	4970
Manganese, Total	NE	µg/L	352	428	835	5.0 U	142	5420
Methane	NE	µg/L	10.0 U	10.0 U	216	10.0 U	4160	19.9
Ammonia	NE	mg/L	0.045 J	0.56	2.7	0.10 U	0.18	1.0
Nitrate + Nitrite as N	NE	mg/L	1.4	0.060	0.037 J	7.1	0.044	0.071
Ethane	NE	µg/L	13.0 U	13.0 U	13.0 U	13.0 U	13.0 U	13.0 U
Ethylene	NE	µg/L	13.0 U	13.0 U	13.0 U	13.0 U	13.0 U	13.0 U
Alkalinity, Total as CaCO3	NE	mg/L	5.0 U	307	295	16.0	160	150
Carbon Dioxide	NE	mg/L	28.7	319	313	29.4	226	226
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.85	0.22	0.3	3.87	1	0.2
Oxidation-Reduction Potential	NE	mV	63.7	-85.3	32.2	197.2	-45.1	28.9
pH	NE	SU	4.74	6.86	6.14	6.03	6.16	6.24
Specific Conductance	NE	µS/cm	119	640	770	108.8	372	346.3
Temperature	NE	deg c	19.6	18.9	20.3	18.1	18.6	17.9
Turbidity	NE	NTU	0.35	2.01	4.64	2.13	3.29	3.87

TABLE 5-2
SUMMARY OF FALL 2022 GROUNDWATER GEOCHEMISTRY RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-28	MW-29BR	MW-38BR	MW-39BR	MW-39BRL	MW-43BR	MW-44BR	MW-45BR	MW-46BR	MW-47BR
			Well Screen Interval (ft bls):	35 - 45	81 - 86	42 - 47	45 - 50	75 - 80	110 - 115	50 - 60	80 - 90	170 - 180	110 - 120
			Sample Collection Date:	09/29/2022	10/05/2022	09/29/2022	10/05/2022	09/29/2022	10/05/2022	10/04/2022	10/03/2022	10/03/2022	10/03/2022
	SCDHEC MCL (R.61-58)	Units		Bedrock Flow Zone									
Volatile Organic Compounds (USEPA Method 8260)													
1,2-Dichlorobenzene	600	µg/L		1.0 U	5.0 U	1.0 U	0.49 J	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	25.0 U
1,4-Dichlorobenzene	75	µg/L		1.0 U	5.0 U	1.0 U	0.40 J	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	25.0 U
Benzene	5	µg/L		1.0 U	**192**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**74.3**	1.0 U	**167**
Ethylbenzene	700	µg/L		1.0 U	20.6	1.0 U	1.0 U	1.0 U	0.36 J	1.0 U	15.6	1.0 U	215
m,p-Xylenes	NE	µg/L		2.0 U	45.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	11.7	2.0 U	688
Naphthalene	25	µg/L		1.0 U	**595**	1.0 U	1.0 U	1.0 U	3.1	1.0 U	**215**	3.4	**2620**
O-Xylene	NE	µg/L		1.0 U	21.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	7.3	1.0 U	353
p-isopropyltoluene	NE	µg/L		1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	25.0 U
Styrene	100	µg/L		1.0 U	48.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3	1.0 U	75.9
Toluene	1000	µg/L		1.0 U	162	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	25.2	1.0 U	992
Total Xylenes	10000	µg/L		1.0 U	66.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	19.1	1.0 U	1040
Natural Attenuation and Others													
Sulfate	NE	mg/L		22.0	1.0 U	10	29.5	129	1.2	0.50 J	119	1.3	15.8
Sulfide	NE	mg/L		0.10 U	0.031 J	0.10 U	0.10 U	0.15	0.33	0.10 U	0.47	0.73	0.029 J
Total Organic Carbon	NE	mg/L		0.58 J	1.1	0.61 J	0.62 J	13.0	6.9	0.77 J	22.9	0.98 J	17.6
Iron, Dissolved	NE	µg/L		169	50.0 U	50.0 U	1800	50.0 U	134	50.0 U	50.0 U	50.0 U	50.0 U
Iron, Total	NE	µg/L		783	50.0 U	422	3280	50.0 U	336	42.3 J	50.0 U	66.2	50.0 U
Manganese, Dissolved	NE	µg/L		212	28.4	78.0	165	6.0	87.9	5.0 U	5.0 U	3.7 J	5.0 U
Manganese, Total	NE	µg/L		295	5.0 U	105	162	9.3	99.1	4.8 J	5.0 U	5.5	5.0 U
Methane	NE	µg/L		10.0 U	4320	78.0	10.0 U	10.0 U	266	204	532	1370	1050
Ammonia	NE	mg/L		0.10 U	0.10 U	0.10 U	0.10 U	0.043 J	2.2	0.044 J	0.23	0.060 J	1.1
Nitrate + Nitrite as N	NE	mg/L		0.087	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.022 J	0.040 U	0.040 U	0.040 U
Ethane	NE	µg/L		13.0 U	15.6	13.0 U	13.0 U	13.0 U	13.0 U	13.0 U	13.0 U	13.0 U	13.0 U
Ethylene	NE	µg/L		13.0 U	13.0 U	13.0 U	13.0 U	13.0 U	13.0 U	13.0 U	13.0 U	13.0 U	13.0 U
Alkalinity, Total as CaCO3	NE	mg/L		43.2	161	114	95.7	175	118	87.6	165	145	878
Carbon Dioxide	NE	mg/L		48.6	132	106	97.7	149	105	61.5	43.5	127	116
Field Parameters													
Dissolved Oxygen	NE	mg/L		0.17	0.41	0.28	1.27	0.23	0.29	1.52	0.2	0.28	2.97
Oxidation-Reduction Potential	NE	mV		173	-113	-42.9	-92.6	-141	-115	422.6	20	73.8	36.8
pH	NE	SU		6.34	9.24	7.5	7.28	9.22	7.75	10.74	11.2	8.32	12.7
Specific Conductance	NE	µS/cm		143.7	306	294	370	443	295.5	220	779	236	360
Temperature	NE	deg c		18.5	18.7	16.2	17.4	16.2	17.4	18.3	18	18.3	16.4
Turbidity	NE	NTU		9.21	0.63	1.37	0.93	3.34	2.1	4.08	2.97	1.89	5.52

TABLE 5-2
SUMMARY OF FALL 2022 GROUNDWATER GEOCHEMISTRY RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Notes:

mg/L - milligrams per liter
µg/L - micrograms per liter
ft bls - feet below land surface
J - estimated value
R - rejected due to serious deficiencies in ability to analyze the sample and meet quality control criteria
U - analyte not detected about quantitation limit; reporting limit shown
UJ - analyte not detected above quantitation limit but reported quantitation limit is approximate
DUP - indicates duplicate sample collection
SU - standard pH units
µS/cm - micro-siemens per centimeter
mV - milli-volt
NTU - nephelometric turbidity unit
SCDHEC - South Carolina Department of Health and Environmental Control
MCL - maximum contaminant level
Bold/shaded value indicates that the concentration exceeds the SCDHEC (R. 61-58) MCL.

TABLE 5-3
SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Surface Water Location ID:		SW-1	SW-1	SW-1	SW-1	SW-1	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3
	Sample Collection Date:		03/19/2019	10/05/2020	03/23/2021	09/15/2021	03/14/2022	03/19/2019	10/05/2020	03/23/2021	09/15/2021	03/14/2022	09/27/2022	03/19/2019	10/05/2020	03/23/2021	09/15/2021	03/14/2022	09/27/2022
	SCDHEC MCL (R.61-58)	Units																	
Volatile Organic Compounds (USEPA Method 8260)																			
Benzene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	100	ug/l	1 U	1 U	1.0 U	1.0 U	**0.45 J**	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	**4.4**	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	ug/l	2 U	2 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl T-Butyl Ether (MTBE)	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	NE	ug/l	1 U	1 U	**0.87 J**	1.0 U	1.0 UJ	1 U	1 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 UJ	1.0 U
O-Xylene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	**0.51 J**	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)																			
1-Methylnaphthalene	NE	ug/l	10 U	10 U	10.0 U	NR	9.1 U	10 U	10 U	10.0 U	NR	8.3 U	8.3 U	10 U	10 U	10.0 U	NR	8.3 U	8.3 U
2-Methylnaphthalene	NE	ug/l	10 U	10 U	10.0 U	NR	9.1 U	10 U	10 U	10.0 U	NR	8.3 U	8.3 U	10 U	10 U	10.0 U	NR	8.3 U	8.3 U
Acenaphthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	**0.404 J**	8.3 U	8.3 U	10 U	10 U	10.0 U	**0.122 J**	8.3 U	8.3 U
Acenaphthylene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Anthracene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Benzo(A)Anthracene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Benzo(A)Pyrene	NE	ug/l	10 U	0.1 U	0.10 U	0.0500 U	0.10 U	10 U	**0.017 J**	0.10 U	0.0500 U	0.10 U	0.10 U	10 U	**0.14**	0.10 U	0.0500 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Benzo(G,H,I)Perylene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	**0.170 J**	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Benzo(K)Fluoranthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	**0.122 J**	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Chrysene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Dibenzo(A,H)Anthracene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	**0.0886 J**	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Dibenzofuran	NE	ug/l	10 U	10 U	10.0 U	NR	9.1 U	10 U	10 U	10.0 U	NR	8.3 U	8.3 U	10 U	10 U	10.0 U	NR	8.3 U	8.3 U
Fluoranthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Fluorene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Phenanthrene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Pyrene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Naphthalene	NE	ug/l	10 U	10 U	NR	1.00 U	NR	10 U	10 U	NR	1.00 U	NR	NR	10 U	10 U	NR	1.00 U	NR	NR
Field Parameters																			
Dissolved Oxygen	NE	mg/l	4.1	2.09	2.36	3.64	3.35	7.88	2.23	2.61	0.53	5.83	4.59	6.47	3.4	2.94	1.44	5.22	2.09
Oxidation-Reduction Potential	NE	mV	71.5	15	34	-89	43	113	-71	13	-87	34	26.8	-30.6	-28	24	-50	25	-2.5
pH	NE	SU	7.33	6.81	6.71	7.62	6.73	7.12	6.87	6.9	6.98	7.07	9.25	7.03	6.83	6.93	6.99	7.11	8.95
Specific Conductivity	NE	uS/cm	331	210	915	132	666	344	214	241	279	267	178.1	402	203	309	214	350	197.7
Temperature	NE	deg c	10	22	14	24	14	10	21	13	21	14	23.2	12	17	13	25	11	19.8
Turbidity	NE	NTU	5.01	9.41	8.7	3	6.49	73.6	36.4	57.2	45.3	13.1	60.6	4.89	100	43.7	289	13.5	64.3

TABLE 5-3
SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Surface Water Location ID:		SW-4	SW-4	SW-4	SW-4	SW-4	SW-4	SW-5	SW-5	SW-5	SW-5	SW-5	SW-6	SW-6	SW-6	SW-6	SW-6
	Sample Collection Date:		03/19/2019	10/05/2020	03/23/2021	09/15/2021	03/14/2022	09/27/2022	03/19/2019	10/05/2020	03/23/2021	09/15/2021	03/14/2022	03/19/2019	10/05/2020	03/23/2021	09/15/2021	03/14/2022
	SCDHEC MCL (R.61-58)	Units																
Volatile Organic Compounds (USEPA Method 8260)																		
Benzene	NE	ug/l	**2.3**	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	100	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Chloromethane	NE	ug/l	**13.2**	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	**10.5**	1 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	NE	ug/l	**0.5 J**	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	ug/l	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2.0 U	2.0 U	2.0 U
Methyl T-Butyl Ether (MTBE)	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Naphthalene	NE	ug/l	**1.5**	1 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 UJ	1 U	1 U	**1.1**	1.0 U	1.0 UJ
O-Xylene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Styrene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Toluene	NE	ug/l	1 U	1 U	1.0 U	**0.88 J**	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Total Xylenes	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)																		
1-Methylnaphthalene	NE	ug/l	10 U	10 U	10.0 U	NR	9.1 U	9.1 U	10 U	10 U	10.0 U	NR	9.1 U	10 U	10 U	10.0 U	NR	10.0 U
2-Methylnaphthalene	NE	ug/l	10 U	10 U	10.0 U	NR	9.1 U	9.1 U	10 U	10 U	10.0 U	NR	9.1 U	10 U	10 U	10.0 U	NR	10.0 U
Acenaphthene	NE	ug/l	10 U	10 U	10.0 U	**0.442 J**	9.1 U	9.1 U	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	1.00 U	10.0 U
Acenaphthylene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	9.1 U	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	1.00 U	10.0 U
Anthracene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	9.1 U	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	**0.157 J**	10.0 U
Benzo(A)Anthracene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	9.1 U	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	**0.353 J**	10.0 U
Benzo(A)Pyrene	NE	ug/l	10 U	**0.068 J**	0.10 U	**0.0259 J**	0.10 U	0.10 U	10 U	**0.012 J**	**0.58**	**0.364**	0.10 U	10 U	0.1 U	0.10 U	**0.0762**	0.10 U
Benzo(B)Fluoranthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	9.1 U	10 U	10 U	10.0 U	**0.381 J**	9.1 U	10 U	10 U	10.0 U	**0.379 J**	10.0 U
Benzo(G,H,I)Perylene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	9.1 U	10 U	10 U	10.0 U	**0.214 J**	9.1 U	10 U	10 U	10.0 U	**0.336 J**	10.0 U
Benzo(K)Fluoranthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	9.1 U	10 U	10 U	10.0 U	**0.170 J**	9.1 U	10 U	10 U	10.0 U	**0.193 J**	10.0 U
Chrysene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	9.1 U	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	**0.258 J**	10.0 U
Dibenzo(A,H)Anthracene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	9.1 U	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	**0.192 J**	10.0 U
Dibenzofuran	NE	ug/l	10 U	10 U	10.0 U	NR	9.1 U	9.1 U	10 U	10 U	10.0 U	NR	9.1 U	10 U	10 U	10.0 U	NR	10.0 U
Fluoranthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	9.1 U	10 U	10 U	10.0 U	0.332 J	9.1 U	10 U	10 U	10.0 U	**0.301 J**	10.0 U
Fluorene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	9.1 U	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	1.00 U	10.0 U
Indeno(1,2,3-cd)pyrene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	9.1 U	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	**0.326 J**	10.0 U
Phenanthrene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	9.1 U	10 U	10 U	10.0 U	1.00 U	9.1 U	10 U	10 U	10.0 U	1.00 U	10.0 U
Pyrene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	9.1 U	10 U	10 U	**2.2 J**	0.535 J	9.1 U	10 U	10 U	10.0 U	**0.354 J**	10.0 U
Naphthalene	NE	ug/l	10 U	10 U	NR	1.00 U	NR	NR	10 U	10 U	NR	1.00 U	NR	10 U	10 U	NR	1.00 U	NR
Field Parameters																		
Dissolved Oxygen	NE	mg/l	7.08	2.75	4.86	0.67	7.15	1.81	4.33	0.99	4.4	0.47	3.24	5.93	1.65	4.97	3.47	6.71
Oxidation-Reduction Potential	NE	mV	-25.4	-69	49	-105	40	19.6	-19	-114	34	-108	30	-4.9	-88	20	-69	44
pH	NE	SU	2.68	6.69	7.12	7.48	7.16	8.3	7.26	6.7	7.08	7.22	6.9	6.54	6.31	7.35	7.41	6.78
Specific Conductivity	NE	uS/cm	445	439	299	552	287	373.4	482	620	487	667	599	428	708	354	438	347
Temperature	NE	deg c	10.6	21	16	22	8	21.2	12	19	18	21	13	9.4	16	19	22	10
Turbidity	NE	NTU	31.9	165	23.1	261	33.1	37.7	13.7	24	111	542	30.1	152	47.9	22.7	304	16.9

TABLE 5-3
SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Surface Water Location ID:		SW-7	SW-7	SW-7	SW-7	SW-7	SW-7	SW-8	SW-8	SW-8	SW-8	SW-8	SW-8
	Sample Collection Date:		03/09/2020	10/05/2020	03/23/2021	09/15/2021	03/14/2022	09/26/2022	03/09/2020	10/05/2020	03/23/2021	09/15/2021	03/14/2022	09/26/2022
	SCDHEC MCL (R.61-58)	Units												
Volatile Organic Compounds (USEPA Method 8260)														
Benzene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	100	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	ug/l	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl T-Butyl Ether (MTBE)	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 UJ	1.0 U
O-Xylene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)														
1-Methylnaphthalene	NE	ug/l	10 U	10 U	10.0 U	NR	9.1 U	8.3 U	10 U	10 U	10.0 U	NR	9.1 U	8.3 U
2-Methylnaphthalene	NE	ug/l	10 U	10 U	10.0 U	NR	9.1 U	8.3 U	10 U	10 U	10.0 U	NR	9.1 U	8.3 U
Acenaphthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Acenaphthylene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Anthracene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Benzo(A)Anthracene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Benzo(A)Pyrene	NE	ug/l	10 U	0.1 U	0.10 U	0.0500 U	0.10 U	0.10 U	10 U	0.1 U	0.10 U	0.0500 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Benzo(G,H,I)Perylene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Benzo(K)Fluoranthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Chrysene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Dibenzo(A,H)Anthracene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Dibenzofuran	NE	ug/l	10 U	10 U	10.0 U	NR	9.1 U	8.3 U	10 U	10 U	10.0 U	NR	9.1 U	8.3 U
Fluoranthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Fluorene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Phenanthrene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Pyrene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Naphthalene	NE	ug/l	10 U	10 U	NR	1.00 U	NR	NR	10 U	10 U	NR	1.00 U	NR	NR
Field Parameters														
Dissolved Oxygen	NE	mg/l	10.46	2.87	7.15	4.38	9	9.25	9.9	3.46	6.64	4.54	8.3	8.13
Oxidation-Reduction Potential	NE	mV	190	39	88	2	49	168.9	179	45	81	-13	49	244.6
pH	NE	SU	6.75	6.53	6.63	7.27	6.72	0.16	6.86	6.32	6.74	7.1	6.73	6.8
Specific Conductivity	NE	uS/cm	47 S	71	60	70	63	247	47 S	72	60	75	63	71.7
Temperature	NE	deg c	12	16	13	24	9	22.3	13	16	13	23	9	20.9
Turbidity	NE	NTU	7.28	18.4	14.3	10	21	8.92	7.4	12	13.2	9.9	18.8	8.8

TABLE 5-3
SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Surface Water Location ID:		SW-9	SW-9	SW-9	SW-9	SW-9	SW-9	SW-10	SW-10	SW-10	SW-10	SW-10	SW-10
	Sample Collection Date:		03/09/2020	10/05/2020	03/23/2021	09/15/2021	03/14/2022	09/27/2022	03/09/2020	10/05/2020	03/23/2021	09/15/2021	03/14/2022	09/27/2022
	SCDHEC MCL (R.61-58)	Units												
Volatile Organic Compounds (USEPA Method 8260)														
Benzene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	100	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	ug/l	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl T-Butyl Ether (MTBE)	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 UJ	1.0 U
O-Xylene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)														
1-Methylnaphthalene	NE	ug/l	10 U	10 U	10.0 U	NR	10.0 U	9.1 U	10 U	10 U	10.0 U	NR	8.3 U	8.3 U
2-Methylnaphthalene	NE	ug/l	10 U	10 U	10.0 U	NR	10.0 U	9.1 U	10 U	10 U	10.0 U	NR	8.3 U	8.3 U
Acenaphthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	10.0 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Acenaphthylene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	10.0 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Anthracene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	10.0 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Benzo(A)Anthracene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	10.0 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Benzo(A)Pyrene	NE	ug/l	10 U	0.1 U	0.10 U	0.0500 U	0.10 U	0.10 U	10 U	0.1 U	0.10 U	**0.0303 J**	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	10.0 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Benzo(G,H,I)Perylene	NE	ug/l	10 U	10 U	10.0 U	**0.148 J**	10.0 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Benzo(K)Fluoranthene	NE	ug/l	10 U	10 U	10.0 U	**0.129 J**	10.0 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Chrysene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	10.0 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Dibenzo(A,H)Anthracene	NE	ug/l	10 U	10 U	10.0 U	**0.0750 J**	10.0 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Dibenzofuran	NE	ug/l	10 U	10 U	10.0 U	NR	10.0 U	9.1 U	10 U	10 U	10.0 U	NR	8.3 U	8.3 U
Fluoranthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	10.0 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Fluorene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	10.0 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	10.0 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Phenanthrene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	10.0 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Pyrene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	10.0 U	9.1 U	10 U	10 U	10.0 U	1.00 U	8.3 U	8.3 U
Naphthalene	NE	ug/l	10 U	10 U	NR	1.00 U	NR	NR	10 U	10 U	NR	1.00 U	NR	NR
Field Parameters														
Dissolved Oxygen	NE	mg/l	11.02	4.59	7.33	7.14	9.04	8.15	10.83	5.04	6.75	4.07	8.41	84.6
Oxidation-Reduction Potential	NE	mV	181	35	84	-14	48	180.6	179	68	86	-15	46	70.6
pH	NE	SU	6.8	6.36	6.74	4.62	6.68	7.97	6.77	6.38	6.66	7.08	6.66	10
Specific Conductivity	NE	uS/cm	57 S	73	63	70	63	50.4	60 S	80	64	74	66	81.2
Temperature	NE	deg c	10.6	15	13	23	9	16.4	11.4	15	13	24	9	16.8
Turbidity	NE	NTU	7.72	17.4	12.9	8.3	27.1	8.19	6.25	10.5	11.7	14.3	18.6	21.9

TABLE 5-3
SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Surface Water Location ID:		SW-11	SW-11	SW-11	SW-11	SW-11	SW-11	SW-11	SW-12	SW-12	SW-12	SW-12	SW-12	SW-12
	Sample Collection Date:		03/09/2020	10/05/2020	03/23/2021	09/15/2021	03/14/2022	09/27/2022	09/27/2022	03/09/2020	10/05/2020	03/23/2021	09/15/2021	03/14/2022	09/27/2022
	SCDHEC MCL (R.61-58)	Units							(DUP)						
Volatile Organic Compounds (USEPA Method 8260)															
Benzene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	100	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	ug/l	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl T-Butyl Ether (MTBE)	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 UJ	1.0 U
O-Xylene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	NE	ug/l	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)															
1-Methylnaphthalene	NE	ug/l	10 U	10 U	10.0 U	NR	9.1 U	8.3 U	8.3 U	10 U	10 U	10.0 U	NR	9.1 U	8.3 U
2-Methylnaphthalene	NE	ug/l	10 U	10 U	10.0 U	NR	9.1 U	8.3 U	8.3 U	10 U	10 U	10.0 U	NR	9.1 U	8.3 U
Acenaphthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Acenaphthylene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Anthracene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Benzo(A)Anthracene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Benzo(A)Pyrene	NE	ug/l	10 U	0.1 U	0.10 U	0.0500 U	0.10 U	0.10 U	0.10 U	10 U	0.1 U	0.10 U	0.0500 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Benzo(G,H,I)Perylene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Benzo(K)Fluoranthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Chrysene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Dibenzo(A,H)Anthracene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Dibenzofuran	NE	ug/l	10 U	10 U	10.0 U	NR	9.1 U	8.3 U	8.3 U	10 U	10 U	10.0 U	NR	9.1 U	8.3 U
Fluoranthene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Fluorene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Phenanthrene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Pyrene	NE	ug/l	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U	8.3 U	10 U	10 U	10.0 U	1.00 U	9.1 U	8.3 U
Naphthalene	NE	ug/l	10 U	10 U	NR	1.00 U	NR	NR	NR	10 U	10 U	NR	1.00 U	NR	NR
Field Parameters															
Dissolved Oxygen	NE	mg/l	10.74	4.1	6.71	4.75	8.19	5.97	5.97	11.28	3.9	6.85	3.91	8.89	8.32
Oxidation-Reduction Potential	NE	mV	169	53	83	-5	43	6.5	6.5	134	56	86	-8	43	-32.9
pH	NE	SU	6.78	6.25	6.67	7.21	6.82	8.65	8.65	6.94	6.31	6.81	7.22	6.9	10.05
Specific Conductivity	NE	uS/cm	59 S	73	60	72	66	84	84	67 S	78	66	73	86	NR
Temperature	NE	deg c	9.8	15	13	23	9	17.9	17.9	9.7	15	13	24	9	17.4
Turbidity	NE	NTU	7.53	8.7	11.8	8.3	20.6	8.91	8.91	7.76	8.4	11.8	9.5	26.7	10.4

TABLE 5-3
SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Surface Water Location ID:		SW-13	SW-13	SW-13	SW-13	SW-14	SW-14	SW-14	SW-15	SW-15	SW-15	SW-16	SW-16	SW-16	SW-17	SW-17
	Sample Collection Date:		03/01/2020	03/23/2021	09/15/2021	03/14/2022	03/01/2020	03/23/2021	03/14/2022	03/01/2020	03/23/2021	03/14/2022	03/01/2020	03/23/2021	03/14/2022	03/23/2021	03/14/2022
	SCDHEC MCL (R.61-58)	Units															
Volatile Organic Compounds (USEPA Method 8260)																	
Benzene	NE	ug/l	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	100	ug/l	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	NE	ug/l	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	NE	ug/l	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	ug/l	2 U	2.0 U	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl T-Butyl Ether (MTBE)	NE	ug/l	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	NE	ug/l	1 U	1.0 U	1.0 U	1.0 UJ	1 U	1.0 U	1.0 UJ	1 U	1.0 U	1.0 UJ	1 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ
O-Xylene	NE	ug/l	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	ug/l	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	NE	ug/l	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	NE	ug/l	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	NE	ug/l	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)																	
1-Methylnaphthalene	NE	ug/l	10 U	10.0 U	NR	10.0 U	10 U	10.0 U	8.3 U	10 U	10.0 U	8.3 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
2-Methylnaphthalene	NE	ug/l	10 U	10.0 U	NR	10.0 U	10 U	10.0 U	8.3 U	10 U	10.0 U	8.3 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Acenaphthene	NE	ug/l	10 U	10.0 U	1.00 U	10.0 U	10 U	10.0 U	8.3 U	10 U	10.0 U	8.3 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Acenaphthylene	NE	ug/l	10 U	10.0 U	1.00 U	10.0 U	10 U	10.0 U	8.3 U	10 U	10.0 U	8.3 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Anthracene	NE	ug/l	10 U	10.0 U	**0.0996 J**	10.0 U	10 U	10.0 U	8.3 U	10 U	10.0 U	8.3 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Benzo(A)Anthracene	NE	ug/l	10 U	10.0 U	**0.277 J**	10.0 U	10 U	10.0 U	8.3 U	10 U	10.0 U	8.3 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Benzo(A)Pyrene	NE	ug/l	10 U	0.10 U	**0.201**	0.10 U	10 U	0.10 U	0.10 U	10 U	0.10 U	0.10 U	10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	ug/l	10 U	10.0 U	**0.240 J**	10.0 U	10 U	10.0 U	8.3 U	10 U	10.0 U	8.3 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Benzo(G,H,I)Perylene	NE	ug/l	10 U	10.0 U	**0.205 J**	10.0 U	10 U	10.0 U	8.3 U	10 U	10.0 U	8.3 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Benzo(K)Fluoranthene	NE	ug/l	10 U	10.0 U	**0.135 J**	10.0 U	10 U	10.0 U	8.3 U	10 U	10.0 U	8.3 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Chrysene	NE	ug/l	10 U	10.0 U	**0.163 J**	10.0 U	10 U	10.0 U	8.3 U	10 U	10.0 U	8.3 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Dibenzo(A,H)Anthracene	NE	ug/l	10 U	10.0 U	**0.0866 J**	10.0 U	10 U	10.0 U	8.3 U	10 U	10.0 U	8.3 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Dibenzofuran	NE	ug/l	10 U	10.0 U	NR	10.0 U	10 U	10.0 U	8.3 U	10 U	10.0 U	8.3 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Fluoranthene	NE	ug/l	10 U	10.0 U	**0.270 J**	10.0 U	10 U	10.0 U	8.3 U	10 U	10.0 U	8.3 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Fluorene	NE	ug/l	10 U	10.0 U	1.00 U	10.0 U	10 U	10.0 U	8.3 U	10 U	10.0 U	8.3 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	ug/l	10 U	10.0 U	1.00 U	10.0 U	10 U	10.0 U	8.3 U	10 U	10.0 U	8.3 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Phenanthrene	NE	ug/l	10 U	10.0 U	1.00 U	10.0 U	10 U	10.0 U	8.3 U	10 U	10.0 U	8.3 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Pyrene	NE	ug/l	10 U	10.0 U	**0.267 J**	10.0 U	10 U	10.0 U	8.3 U	10 U	10.0 U	8.3 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Naphthalene	NE	ug/l	10 U	NR	1.00 U	NR	10 U	NR	NR	10 U	NR	NR	10 U	NR	NR	NR	NR
Field Parameters																	
Dissolved Oxygen	NE	mg/l	5.17	3.4	1.71	4.65	6.75	4.98	6.19	7.22	4.79	6.22	8.72	4.93	7.09	3.76	5.07
Oxidation-Reduction Potential	NE	mV	85	7	-81	41	84	49	32	78	48	30	72	50	39	43	41
pH	NE	SU	7.02	6.98	7.56	6.9	6.97	7.17	6.94	6.88	7.12	7	6.7	6.91	7.14	6.87	7.24
Specific Conductivity	NE	uS/cm	429	469	684	499	337	319	332	340	308	325	346	289	306	135	111
Temperature	NE	deg c	5.8	18	22	10	5.5	19	6	5.2	18	6	4.9	18	6	19	6
Turbidity	NE	NTU	21.3	162	160	6.9	15.9	117	13.4	10.7	24.7	13.9	9.6	25.6	12.8	7.96	48.8

TABLE 5-3
SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
Former Bramlette MGP Site
Greenville, South Carolina

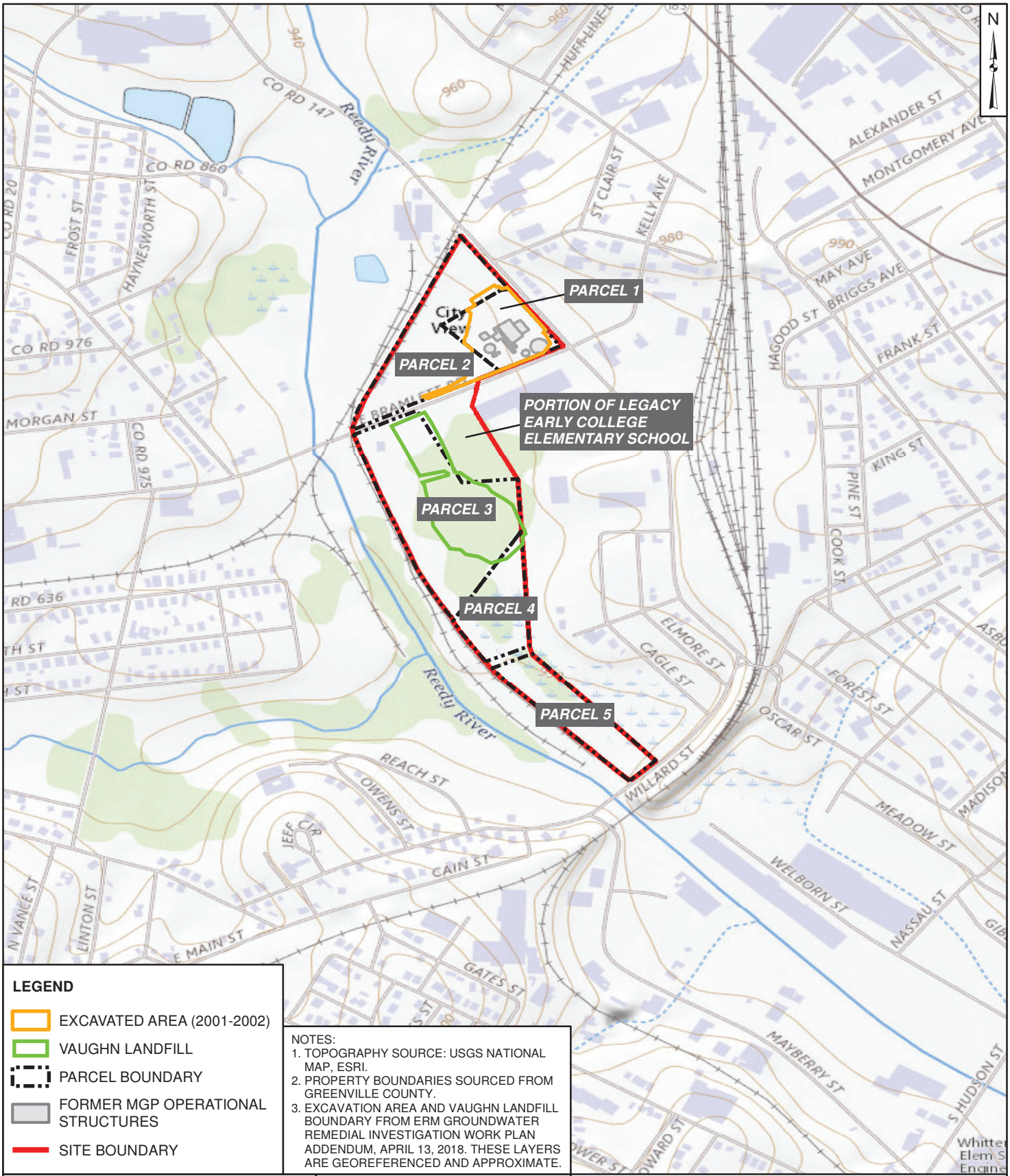
Notes:
Red shaded date cells indicates a sample was collected during the September/October 2022 sampling event.
Yellow shading indicates that the compound was detected at a concentration greater than the SCDHEC Maximum Contaminant Level (MCL) as set forth in R.61-58, State Primary Drinking Water Regulations.
SCDHEC R.61-58 - South Carolina Department of Health and Environmental Control Regulation 61-58.
Bold type indicates that the compound was detected at a concentration greater than the method detection limit.
ug/L - micrograms per liter
mg/L - milligrams per liter
mV - millivolt
SU - standard units for pH
uS/cm - microSiemens per centimeter
NTU - nephelometric turbidity units
NR - not reported
NE - No screening level established at this time.
J - estimated concentration above the method detection limit and less than the reporting limit
U - analyte was not detected at a level above the method detection limit

TABLE 6-1
SUMMARY OF MANN-KENDALL TREND ANALYSES FOR SITE GROUNDWATER
Former Bramlette MGP Site
Greenville, South Carolina

Well ID	Benzene Mann-Kendall Result	Naphthalene Mann-Kendall Result
Shallow Flow Zone Monitoring Wells		
MW-1	Stable	Stable
MW-7R	Stable	No Trend
MW-21	Decreasing (98.5%)	No Trend
MW-36S	Prob. Decreasing (93.2 %)	Prob. Decreasing (93.2 %)
Transition Flow Zone Monitoring Wells		
MW-2TZ	Stable	No Trend
MW-29TZ	No Trend	No Trend
Bedrock Flow Zone Monitoring Wells		
MW-3BR	Decreasing (99.9%)	Prob. Decreasing (93.2 %)
MW-3BRL	Stable	No Trend
MW-2BR	Stable	Stable
MW-21BR	*Historical Results below SCDHEC MCL*	Prob. Decreasing (93.2 %)
MW-21BRL	Increasing (99.9%)	Increasing (99.9%)
MW-29BR	No Trend	Prob. Increasing (93.2%)
MW-34BR	Decreasing (99.2%)	*Historical Results below SCDHEC MCL*
MW-45BR	Decreasing (99.9%)	Stable
MW-46BR	Prob. Decreasing (93.2 %)	Decreasing (99.9%)
MW-47BR	Prob. Decreasing (93.2 %)	No Trend

Note: Trend confidence factors (in %) represent the confidence that the constituent concentration is increasing or decreasing.
Refer to Appendix D for Mann-Kendall Constituent Trend Analysis worksheets, analysis output, and charts.

FIGURES



LEGEND

- EXCAVATED AREA (2001-2002)
- VAUGHN LANDFILL
- PARCEL BOUNDARY
- FORMER MGP OPERATIONAL STRUCTURES
- SITE BOUNDARY

NOTES:
1. TOPOGRAPHY SOURCE: USGS NATIONAL MAP, ESRI.
2. PROPERTY BOUNDARIES SOURCED FROM GREENVILLE COUNTY.
3. EXCAVATION AREA AND VAUGHN LANDFILL BOUNDARY FROM ERM GROUNDWATER REMEDIAL INVESTIGATION WORK PLAN ADDENDUM, APRIL 13, 2018. THESE LAYERS ARE GEOREFERENCED AND APPROXIMATE.

DUKE ENERGY®

Geosyntec consultants

0 800 Feet

DRAWN BY: MAH	DATE: 8/19/2022
REVISED BY: FLF	DATE: 12/14/2022
CHECKED BY: FLF	DATE: 12/14/2022
APPROVED BY: FLF	DATE: 12/14/2022
PROJECT MANAGER: APB	DATE: 12/14/2022

FIGURE 1-1
USGS TOPOGRAPHIC MAP AND SITE LOCATION
FORMER BRAMLETTE MGP SITE
EAST BRAMLETT ROAD
GREENVILLE, SOUTH CAROLINA

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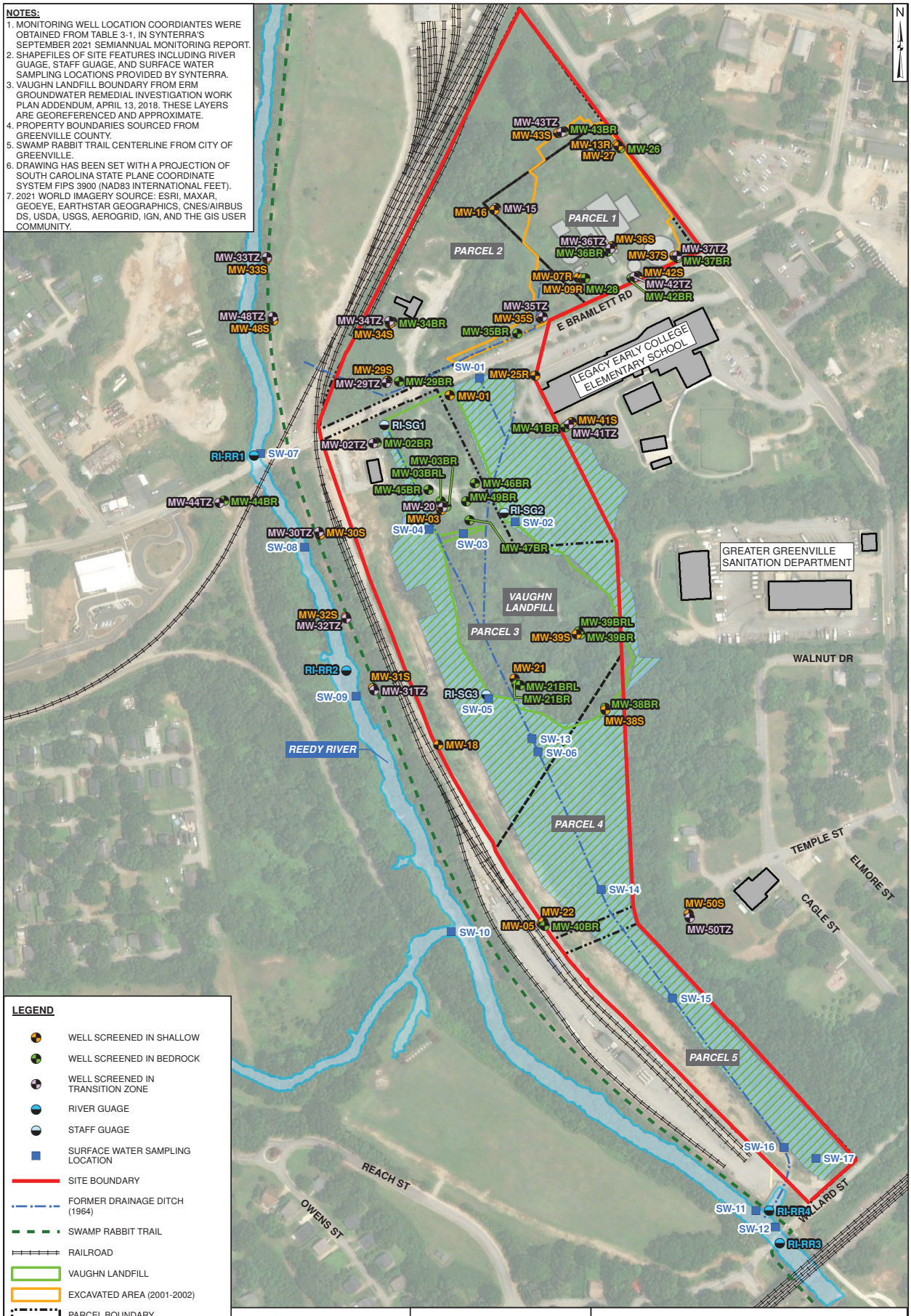

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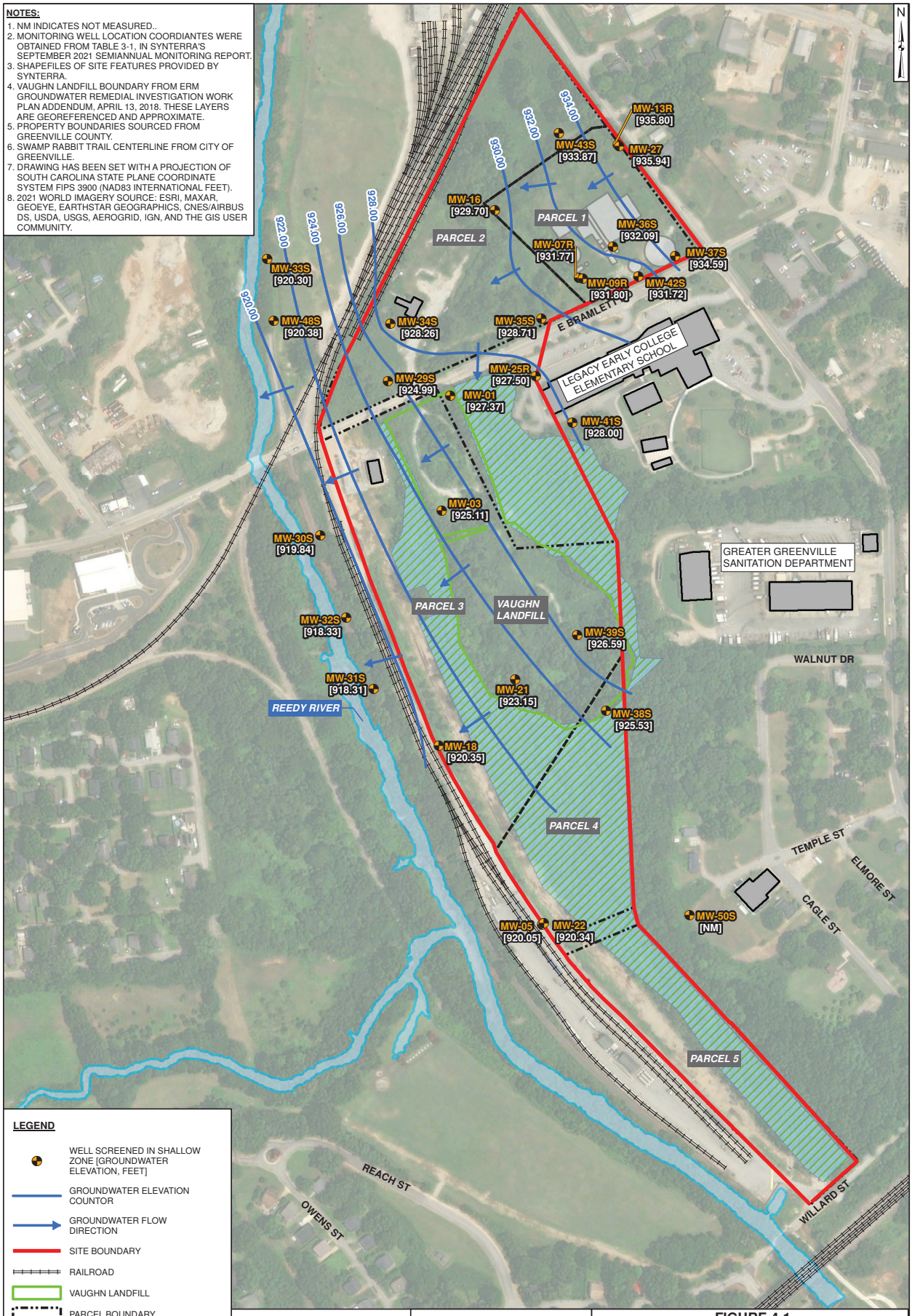

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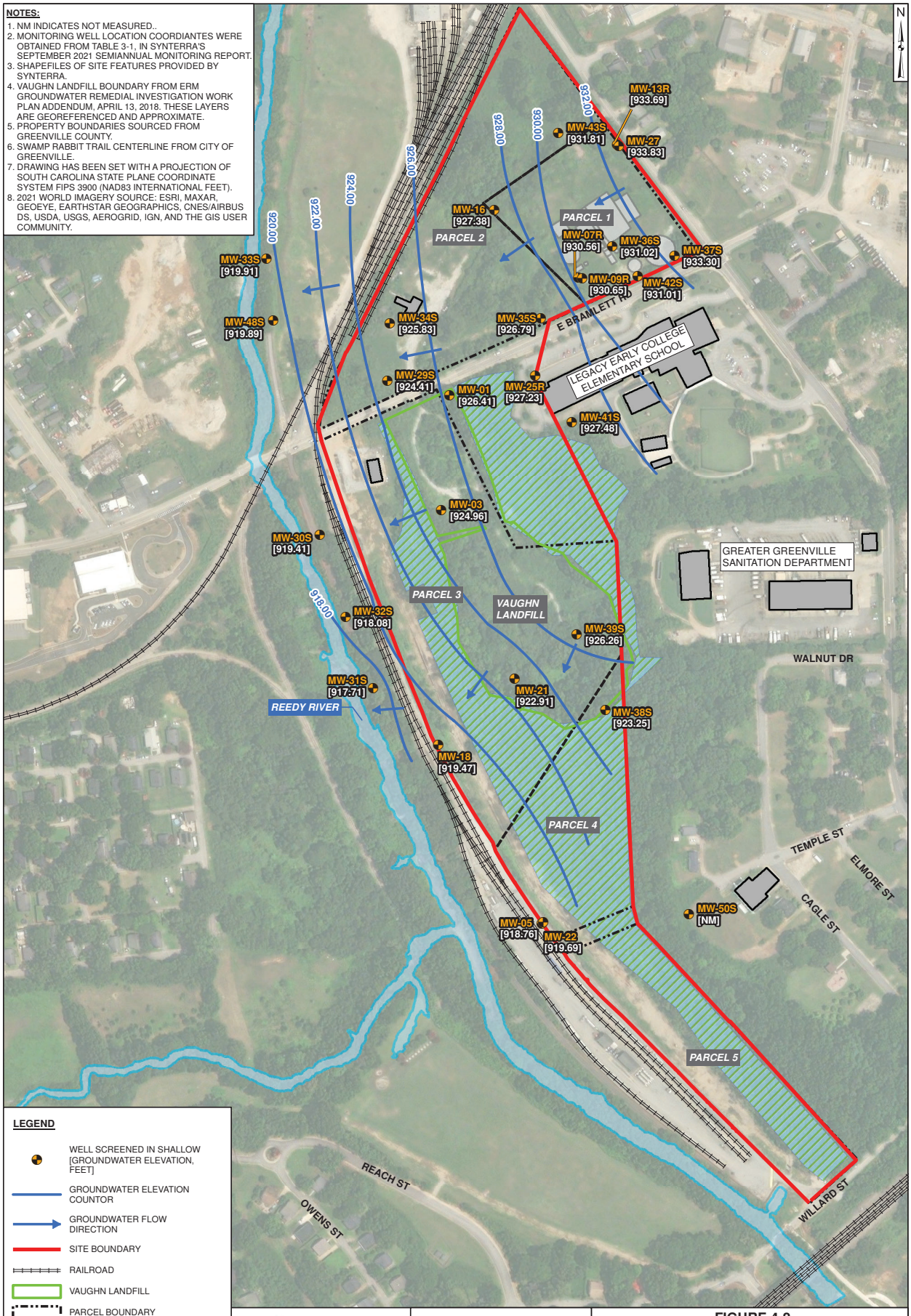

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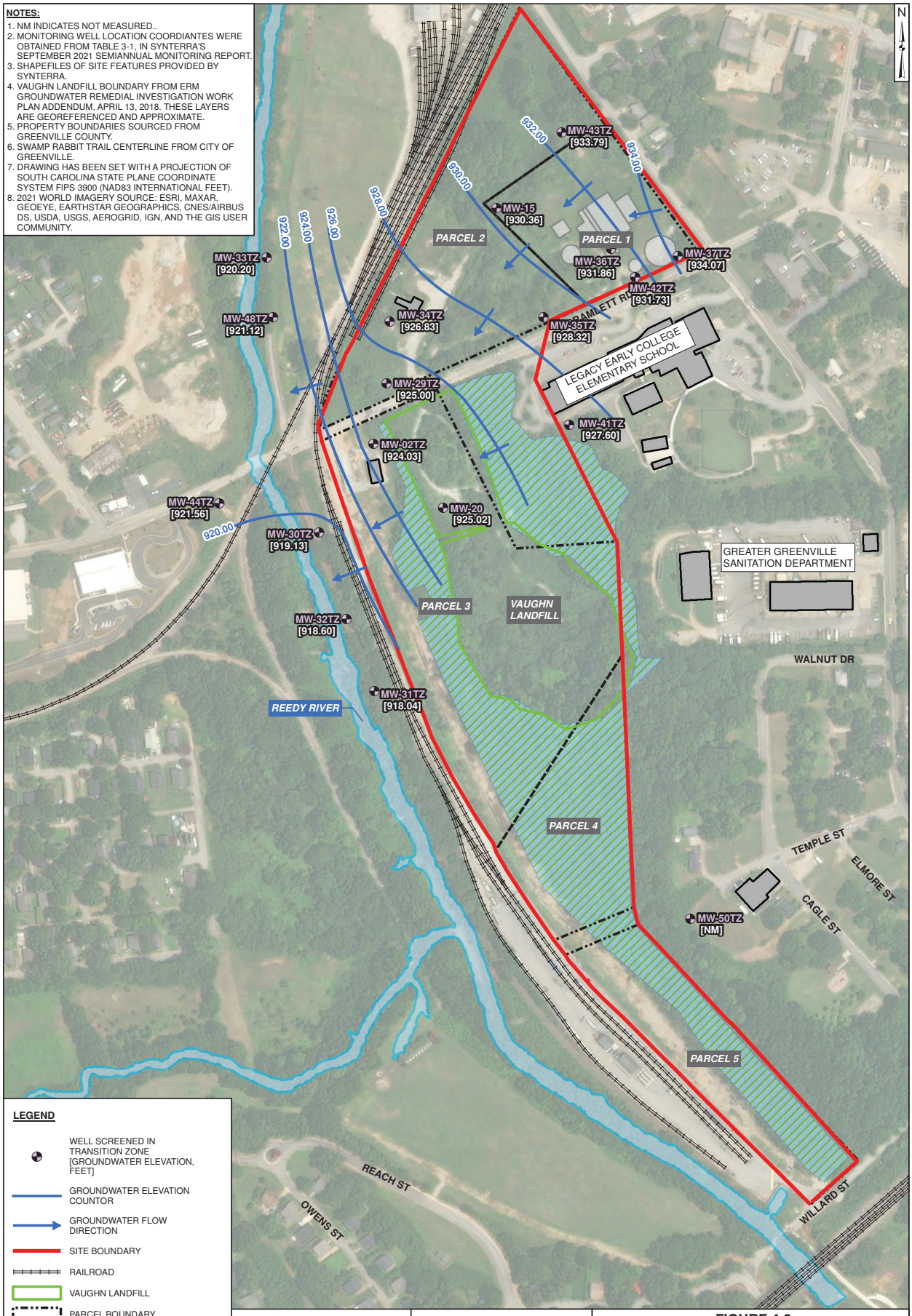
DRAWN BY: FLF	DATE: 11/23/2022
REVISED BY:	DATE:
CHECKED BY: APB	DATE: 12/16/2022
APPROVED BY: APB	DATE: 12/16/2022
PROJECT MANAGER: APB	DATE: 12/16/2022

FIGURE 4-2
SHALLOW ZONE POTENTIOMETRIC SURFACE MAP
(26 SEPTEMBER 2022)
FORMER BRAMLETTE MGP SITE
EAST BRAMLETT ROAD
GREENVILLE, SOUTH CAROLINA

Path: (Titusville-01\DATA) \\Titusville-01\Data\0GIS\FR7559_BramletteMGP\MXDs\202210\mw_shallow_elev_202209.mxd 29 December 2022. Last Edited by: csaville



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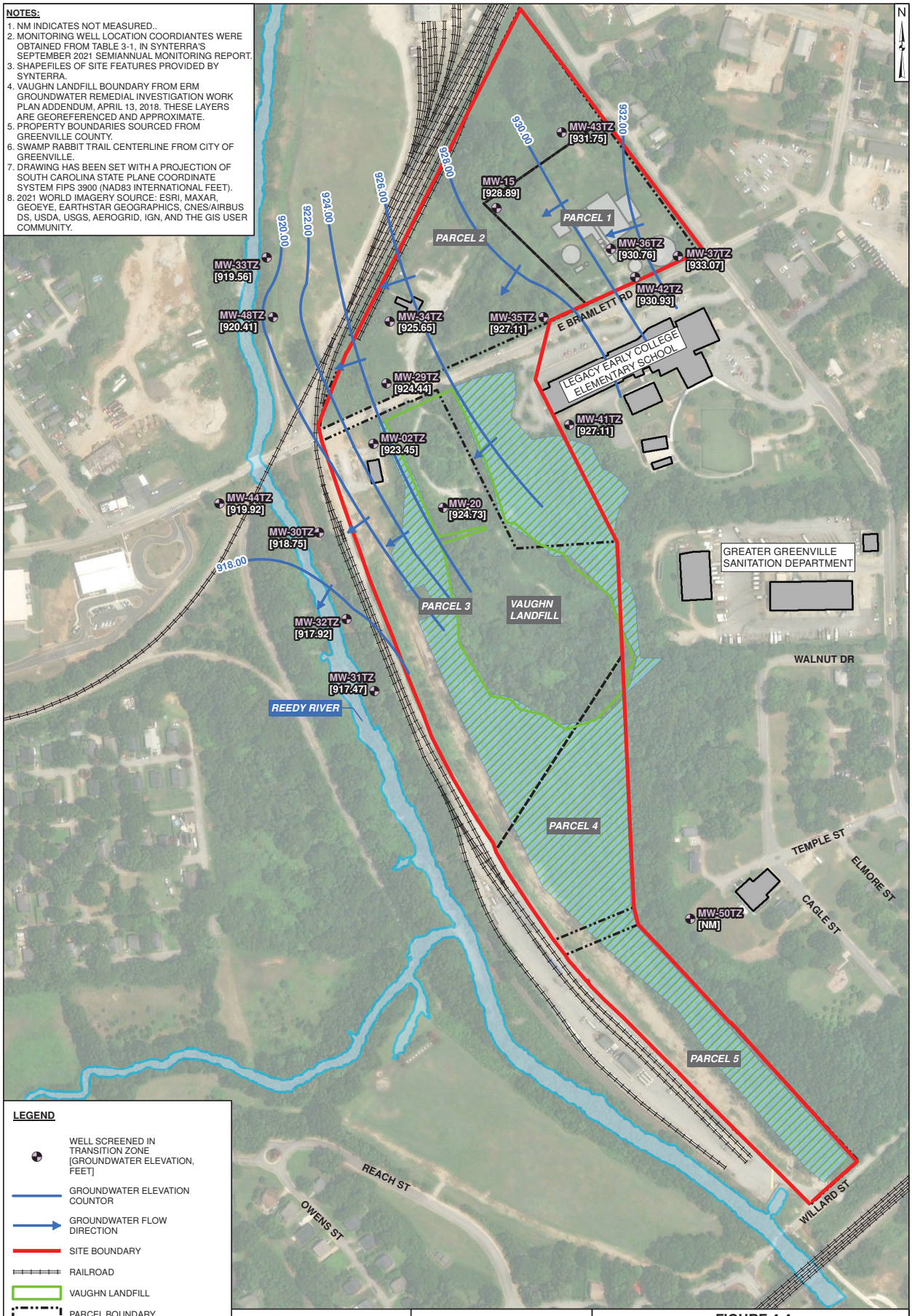

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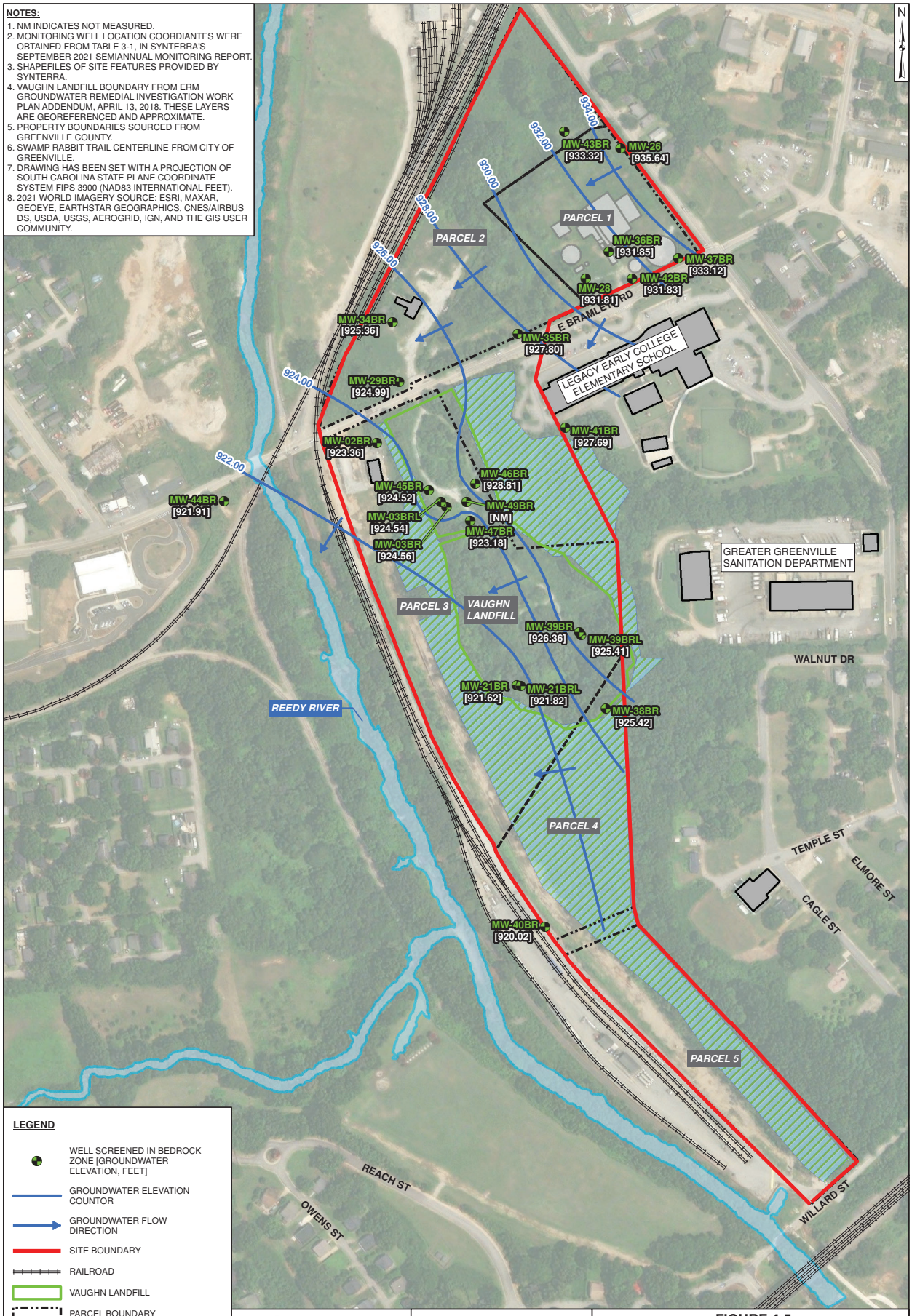

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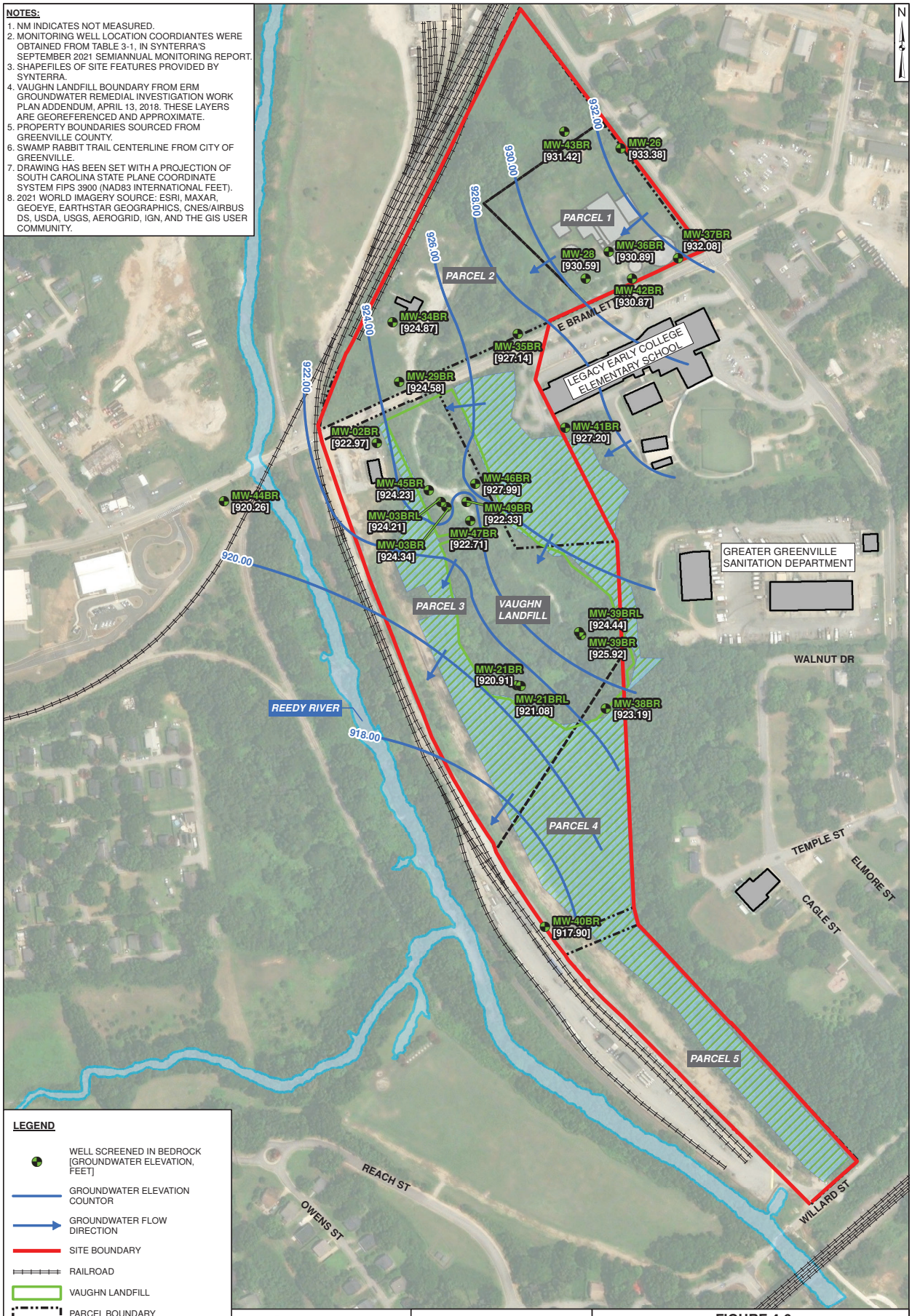

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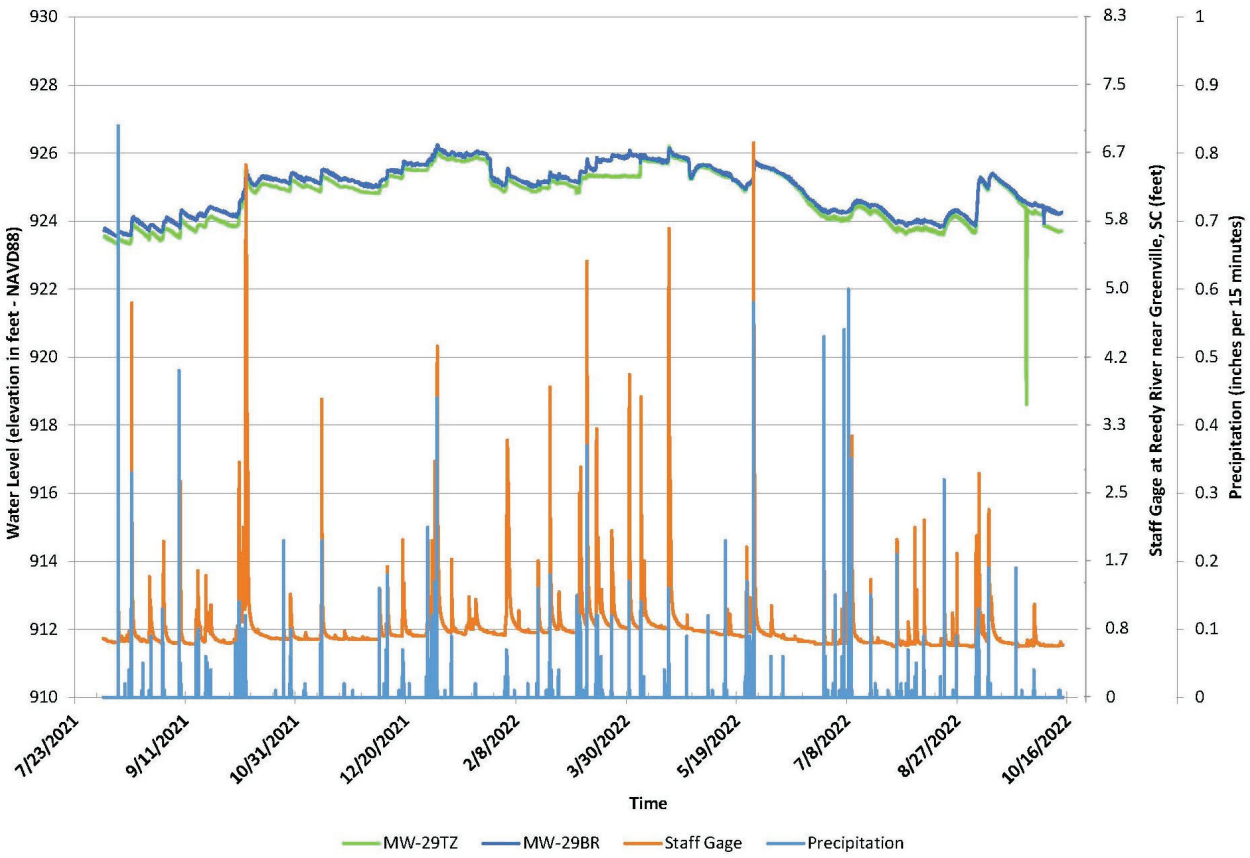


DUKE ENERGY

Geosyntec consultants

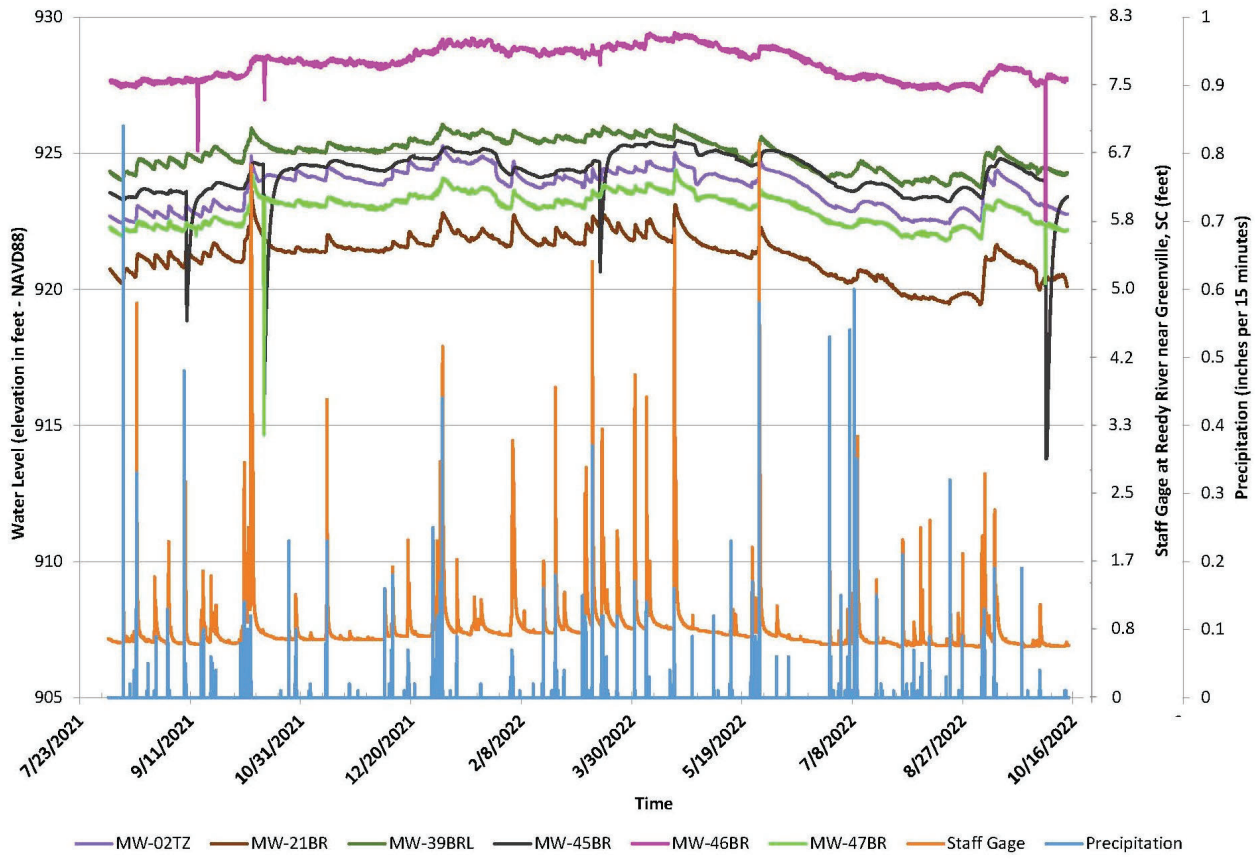
DRAWN BY: FLF	DATE: 12/05/2022
REVISED BY: FLF	DATE: 12/15/2022
CHECKED BY: APB	DATE: 12/16/2022
APPROVED BY: APB	DATE: 12/16/2022
PROJECT MANAGER: APB	DATE: 12/16/2022

NOTES:
1. Elevations referenced to North American Vertical Datum of 1988 in feet (NADC 88).

2. Precipitation obtained from online published data from https://waterdata.usgs.gov/monitoring-location/02164000/#parameterCode=00065&period=P365D

FIGURE 4-7
MW-29 WELL CLUSTER HYDROGRAPH
FORMER BRAMLETTE MGP SITE
EAST BRAMLETT ROAD
GREENVILLE, SOUTH CAROLINA

Path: (\\tlusville-01\DATA) T:\GIS\FR7559_BramletteMGP\MXDs\202210\MW-29_Cluster_Hydrograpgs_202212.mxd 16 December 2022. Last Edited by: Fabio.Fortes



DUKE ENERGY

Geosyntec consultants

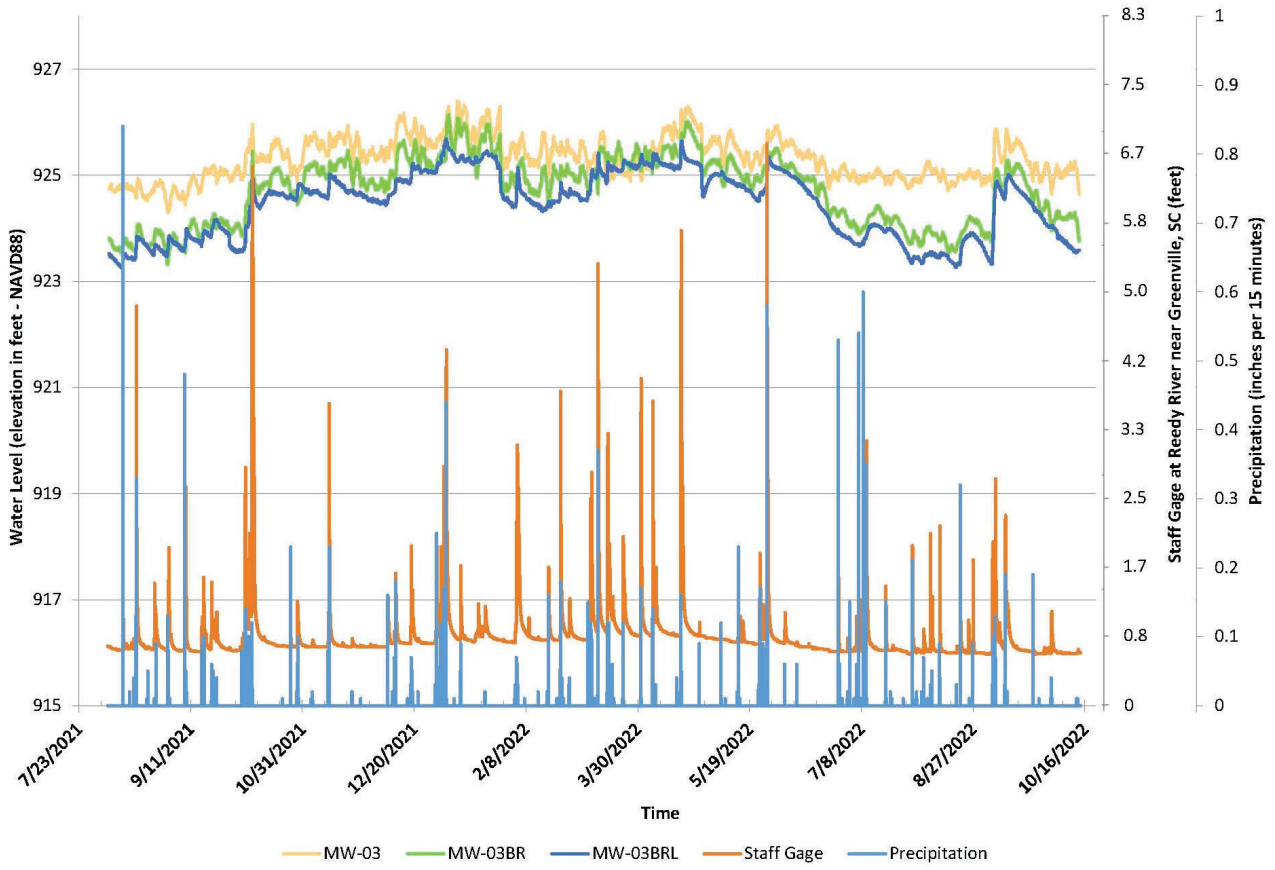
DRAWN BY: FLF	DATE: 12/05/2022	
REVISED BY: FLF	DATE: 12/15/2022	
CHECKED BY: APB	DATE: 12/16/2022	
APPROVED BY: APB	DATE: 12/16/2022	
PROJECT MANAGER: APB	DATE: 12/16/2022	

NOTES:
1. Elevations referenced to North American Vertical Datum of 1988 in feet (NADC 88).

2. Precipitation obtained from online published data from https://waterdata.usgs.gov/monitoring-location/02164000/#parameterCode=00065&period=P365D

FIGURE 4-8
VAUGHN LANDFILL HYDROGRAPH
FORMER BRAMLETTE MGP SITE
EAST BRAMLETT ROAD
GREENVILLE, SOUTH CAROLINA

Path: (\\tlusville-01\DATA) T:\GIS\FR7559_BramletteMGP\MXDs\202210\Vaughn_Landfill_Hydrograpgs_202212.mxd 16 December 2022. Last Edited by: Fabio.Fortes



DUKE ENERGY

Geosyntec consultants

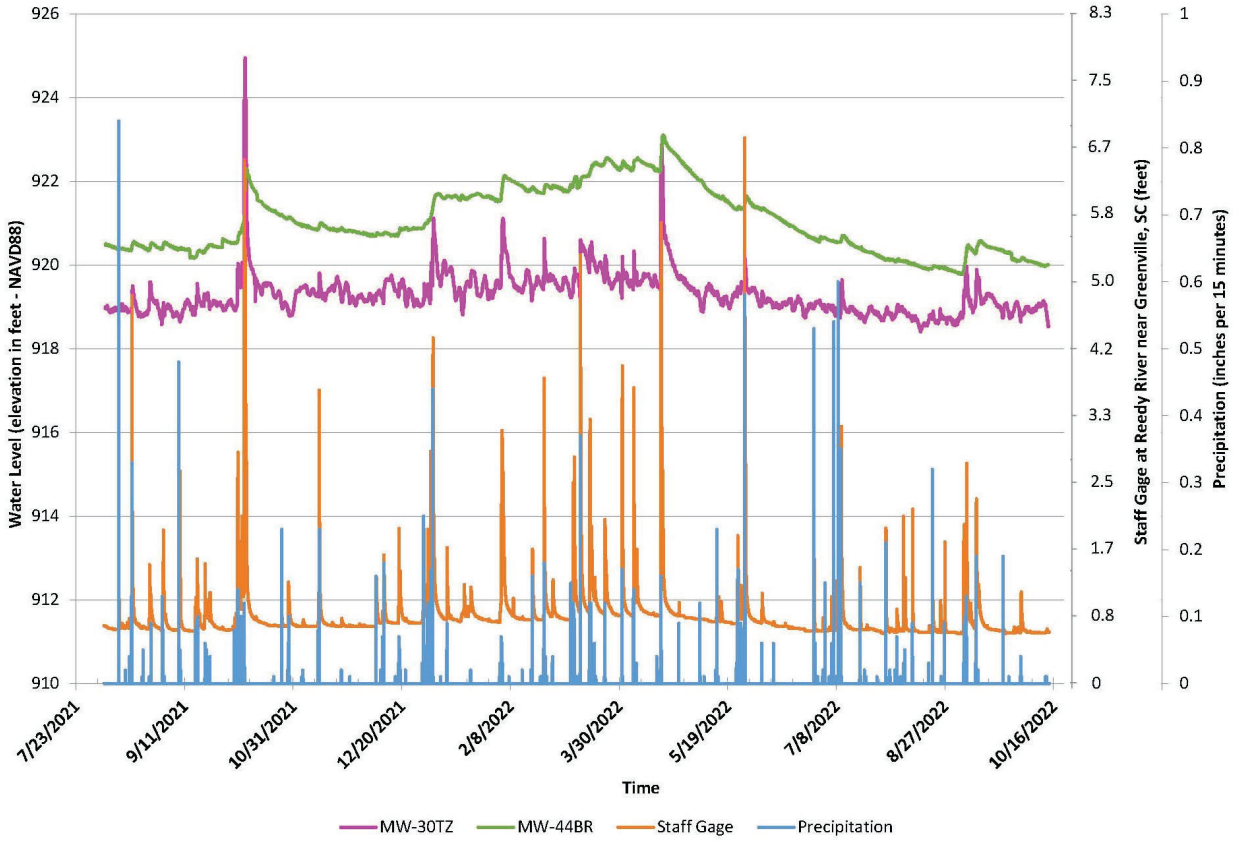
DRAWN BY: FLF	DATE: 12/05/2022
REVISED BY: FLF	DATE: 12/15/2022
CHECKED BY: APB	DATE: 12/16/2022
APPROVED BY: APB	DATE: 12/16/2022
PROJECT MANAGER: APB	DATE: 12/16/2022

NOTES:
1. Elevations referenced to North American Vertical Datum of 1988 in feet (NADC 88).

2. Precipitation obtained from online published data from https://waterdata.usgs.gov/monitoring-location/02164000/#parameterCode=00065&period=P365D

FIGURE 4-9
MW-03 WELL CLUSTER HYDROGRAPH
FORMER BRAMLETTE MGP SITE
EAST BRAMLETT ROAD
GREENVILLE, SOUTH CAROLINA

Path: (\\tlusville-01\DATA) T:\GIS\FR7559_BramletteMGP\MXDs\202210\MW-03_Cluster_Hydrograpgs_202212.mxd 16 December 2022. Last Edited by: Fabio.Fortes



DUKE ENERGY.

Geosyntec consultants

DRAWN BY: FLF	DATE: 12/05/2022
REVISED BY: FLF	DATE: 12/15/2022
CHECKED BY: APB	DATE: 12/16/2022
APPROVED BY: APB	DATE: 12/16/2022
PROJECT MANAGER: APB	DATE: 12/16/2022

NOTES:
1. Elevations referenced to North American Vertical Datum of 1988 in feet (NADC 88).

2. Precipitation obtained from online published data from https://waterdata.usgs.gov/monitoring-location/02164000/#parameterCode=00065&period=P365D

FIGURE 4-10
REEDY RIVER WELLS HYDROGRAPH
FORMER BRAMLETTE MGP SITE
EAST BRAMLETT ROAD
GREENVILLE, SOUTH CAROLINA

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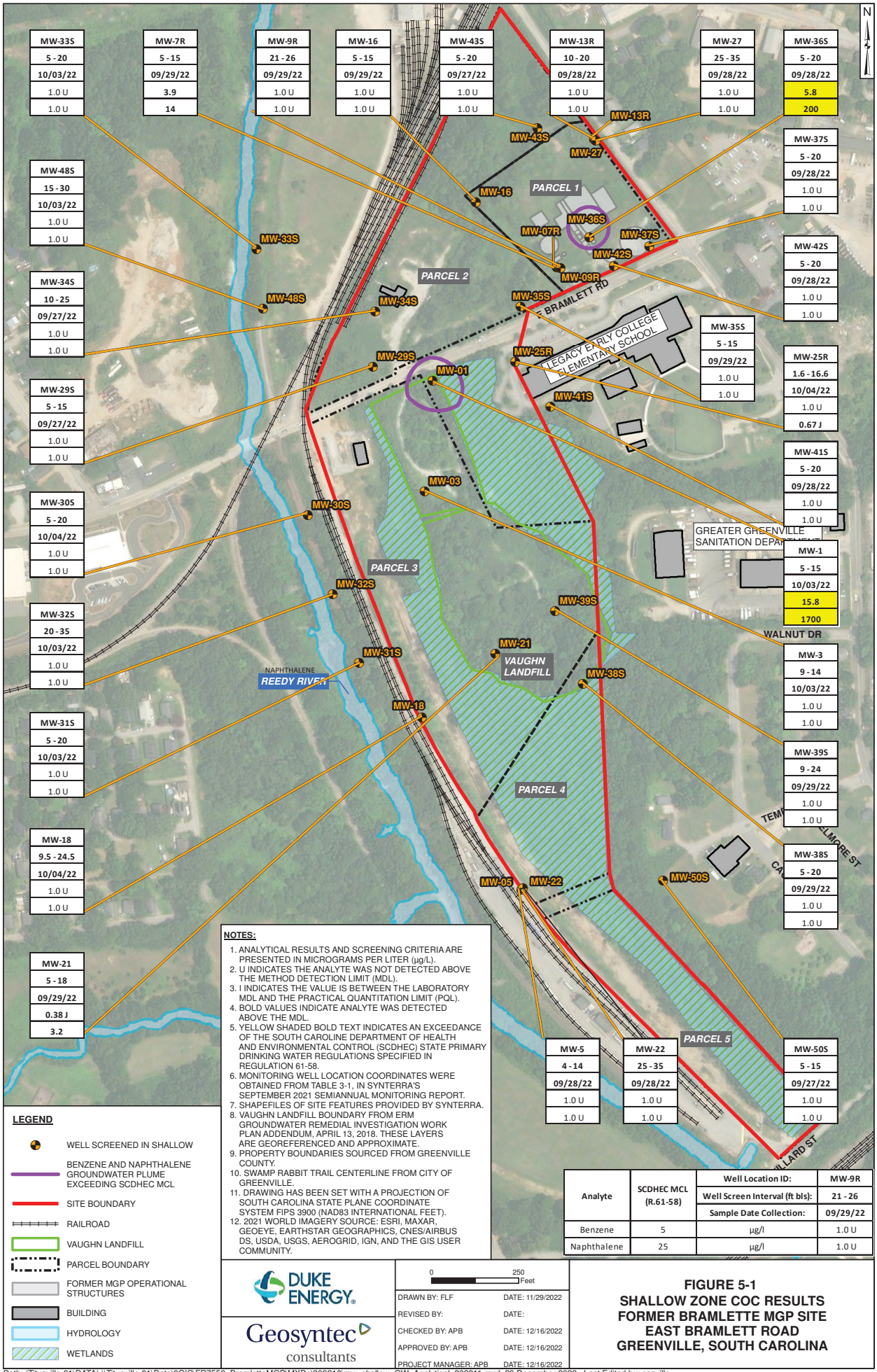


NOTES:

1. ANALYTICAL RESULTS AND SCREENING CRITERIA ARE PRESENTED IN MICROGRAMS PER LITER (µg/L).
2. U INDICATES THE ANALYTE WAS NOT DETECTED ABOVE THE METHOD DETECTION LIMIT (MDL).
3. I INDICATES THE VALUE IS BETWEEN THE LABORATORY MDL AND THE PRACTICAL QUANTITATION LIMIT (PQL).
4. BOLD VALUES INDICATE ANALYTE WAS DETECTED ABOVE THE MDL.
5. YELLOW SHADED BOLD TEXT INDICATES AN EXCEEDANCE OF THE SOUTH CAROLINE DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) STATE PRIMARY DRINKING WATER REGULATIONS SPECIFIED IN REGULATION 61-58.
6. MONITORING WELL LOCATION COORDINATES WERE OBTAINED FROM TABLE 3-1, IN SYNTERRA'S SEPTEMBER 2021 SEMIANNUAL MONITORING REPORT.
7. SHAPEFILES OF SITE FEATURES PROVIDED BY SYNTERRA.
8. VAUGHN LANDFILL BOUNDARY FROM ERM GROUNDWATER REMEDIAL INVESTIGATION WORK PLAN ADDENDUM, APRIL 13, 2018. THESE LAYERS ARE GEOREFERENCED AND APPROXIMATE.
9. PROPERTY BOUNDARIES SOURCED FROM GREENVILLE COUNTY.
10. SWAMP RABBIT TRAIL CENTERLINE FROM CITY OF GREENVILLE.
11. DRAWING HAS BEEN SET WITH A PROJECTION OF SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM FIPS 3900 (NAD83 INTERNATIONAL FEET).
12. 2021 WORLD IMAGERY SOURCE: ESRI, MAXAR, GEOEYE, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AEROGRID, IGN, AND THE GIS USER COMMUNITY.

LEGEND

- WELL SCREENED IN SHALLOW
- BENZENE AND NAPHTHALENE GROUNDWATER PLUME EXCEEDING SCDHEC MCL
- SITE BOUNDARY
- RAILROAD
- VAUGHN LANDFILL
- PARCEL BOUNDARY
- FORMER MGP OPERATIONAL STRUCTURES
- BUILDING
- HYDROLOGY
- WETLANDS

Analyte	SCDHEC MCL (R.61-58)	Well Location ID:	MW-9R
		Well Screen Interval (ft bls):	21 - 26
		Sample Date Collection:	09/29/22
Benzene	5	µg/l	1.0 U
Naphthalene	25	µg/l	1.0 U

DUKE ENERGY.

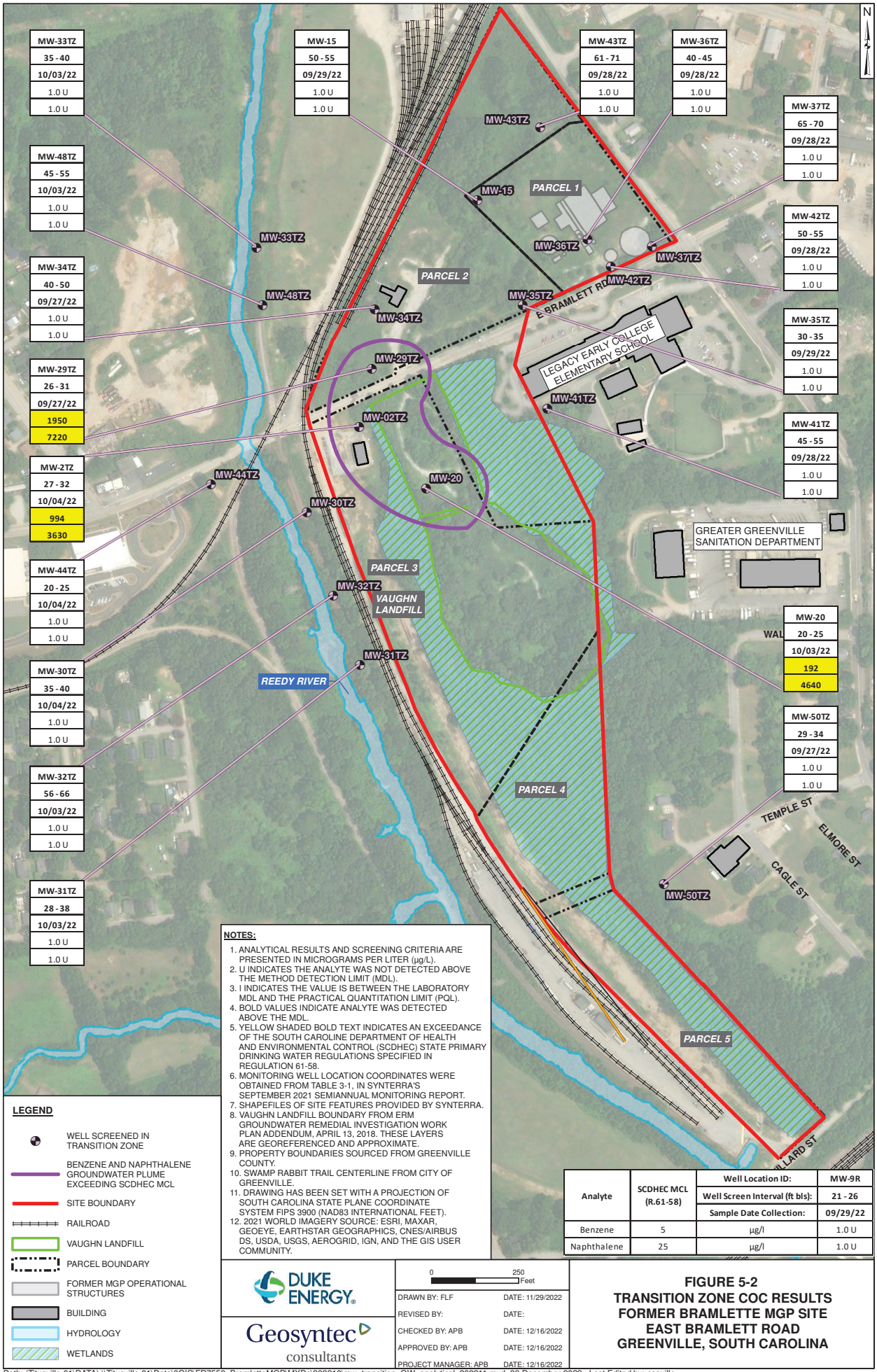
Geosyntec consultants

0 250 Feet

DRAWN BY: FLF	DATE: 11/29/2022
REVISED BY:	DATE:
CHECKED BY: APB	DATE: 12/16/2022
APPROVED BY: APB	DATE: 12/16/2022
PROJECT MANAGER: APB	DATE: 12/16/2022

FIGURE 5-1
SHALLOW ZONE COC RESULTS
FORMER BRAMLETTE MGP SITE
EAST BRAMLETT ROAD
GREENVILLE, SOUTH CAROLINA

Path: (Titusville-01\DATA) \\Titusville-01\Data\0GIS\FR7559_BramletteMGP\MXDs\202210\mw_shallow_GW_Analytical_202211.mxd 29 December 2022. Last Edited by: csaville

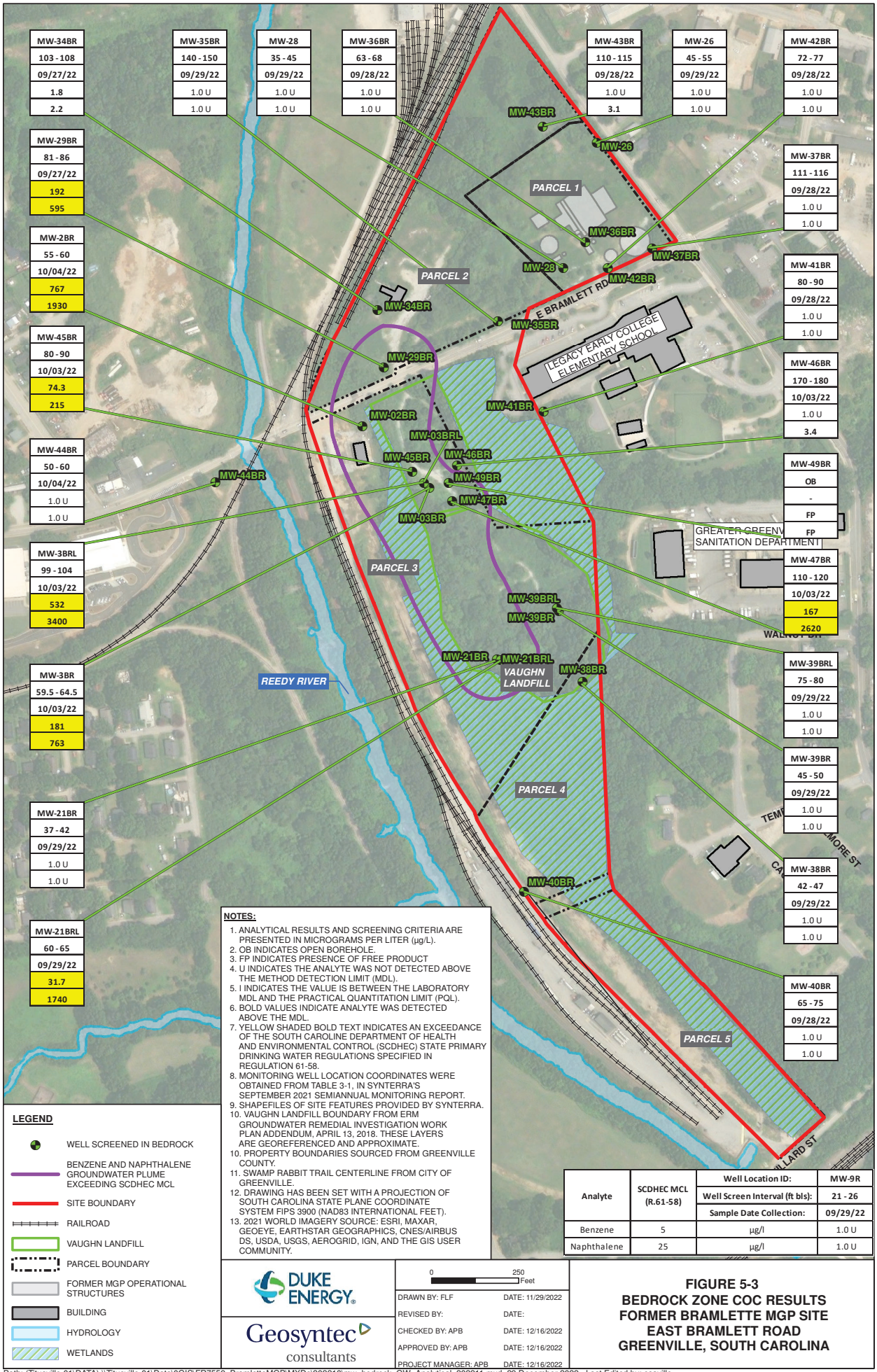


DUKE ENERGY.

Geosyntec consultants

FIGURE 5-2
TRANSITION ZONE COC RESULTS
FORMER BRAMLETTE MGP SITE
EAST BRAMLETT ROAD
GREENVILLE, SOUTH CAROLINA

Path: (Titusville-01\DATA) \\Titusville-01\Data\0GIS\FR7559_BramletteMGP\MXDs\202210\mw_transition_GW_analytical_202211.mxd 29 December 2022. Last Edited by: csaville



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APPENDIX A

FIELD SAMPLING LOGS

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Brandelk	Location: Greenville	Date: 10-3-22
Project Number: FR1559C	Phase/Task:	Personnel: JT

Well ID: MW-1	Screen Interval (ft) 4-14	DTW (ft) 7.95
	Pump/Tubing Setting (ft) 8	DTB (ft) 16.89
	Well Diameter (in) 2"	Depth To Product (ft) —
	Tubing Diameter (in) .17x.25	
Water Quality Meter Model #: 451-PRO-16A106178		Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1450	250	8.0	19.3	9.47	.36	7.31	-141.4	8.16	clear
1453	250	8.0	19.0	3.38	.36	6.96	-112.8	6.11	
1456	250	8.0	18.7	2.74	.37	6.81	-96.1	4.83	
1459	250	8.0	18.7	3.14	.36	6.81	-90.6	4.51	
1502	250	8.0	18.7	3.15	.36	6.81	-89.4	3.96	
1505	250	8.0	18.7	3.15	.37	6.82	-89.2	3.46	
1508	250	8.0	18.7	3.16	.36	6.82	-89.3	3.14	
1515 - SAMPLED									

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-1
1515

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Brunkette Location: MW2TZ Date: 10-4-22

Project Number: FR7559C Phase/Task: 03 Personnel: JSW

Well ID: MW2TZ
Screen Interval (ft) 27-32
Pump/Tubing Setting (ft) 29
Well Diameter (in) 2
Tubing Diameter (in) 0.17 x 0.25
DTW (ft) 11.5
DTB (ft) 32
Depth To Product (ft) -
Water Quality Meter Model #: Pro quatro
Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1111	-	11.5	Begin Purge						
1115	160	11.9	19.7	5.4	0.49	7.21	-115.9	1.4	
1120	160	12.0	19.4	3.4	0.49	7.22	-122.3	0.92	
1125	160	12.1	19.3	3.0	0.51	7.22	-153.9	0.65	
1130	160	12.1	19.2	3.2	0.51	6.9	-126.7	0.63	
1135	160	12.1	19.2	3.2	0.51	6.88	-119.4	1.01	
1138	160	12.1	19.2	3.0	0.51	6.8	-118.0	0.63	
1141	160	12.2	19.1	2.5	0.51	6.78	-116.2	0.64	
1144	160	12.2	19.1	2.4	0.51	6.78	-116.1	1.16	
1147	160	12.2	19.1	2.3	0.51	6.78	-116.0	0.62	

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW2TZ 20221004

1150

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Brunkelth Location: MW2BR Date: 10-4-22

Project Number: FR7559C Phase/Task: 03 Personnel: NSW

Well ID: MW2BR Screen Interval (ft) 55-60 DTW (ft) ~~11.6~~ NSW

Pump/Tubing Setting (ft) 57 DTB (ft) 60

Well Diameter (in) 2 Depth To Product (ft) —

Tubing Diameter (in) 0.17 x 0.25

Water Quality Meter Model #: pro quatro Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1220	~	11.6	Begin	purge					
1225	130	12.9	19.5	6.5	0.63	9.07	-145.5	2.41	
1230	130	13.8	19.3	5.1	0.63	9.09	-154.1	1.24	
1235	130	14.6	19.2	4.2	0.63	9.08	-161.0	1.57	
1240	130	15.4	19.1	3.7	0.63	9.08	-165.9	1.15	
1245	130	16.3	19.0	3.3	0.63	9.08	-168.8	1.25	
1250	130	17.2	18.8	3.2	0.63	9.06	-171.6	1.29	
1253	130	17.7	18.9	3.0	0.62	9.04	-171.6	1.04	
1256 pm	130	18.0	18.9	2.9	0.62	9.04	-171.6	1.38	
1259	130	18.2	19.0	2.8	0.62	9.02	-171.4	1.27	

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW2BR 20221004

13:00

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name:	Bramlett	Location:	Greenville, IL	Date:	10/3/2022
Project Number:	FR7559C	Phase/Task:	03	Personnel:	KO

Well ID:	MW-3	Screen Interval (ft)	9-14
		Pump/Tubing Setting (ft)	11.5
		Well Diameter (in)	2.0
		Tubing Diameter (in)	0.25
Water Quality Meter Model #:	YSI Pro		

DTW (ft)	10.55
DTB (ft)	16.43
Depth To Product (ft)	—
Measurement Location:	TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1328	140	10.55	21.3	0.12	0.664	7.16	-17.2	5.70	
1331	125	10.56	21.2	0.16	0.663	7.15	-15.0	4.25	
1334	125	10.56	21.3	0.18	0.667	7.10	-14.7	4.00	
1337	125	10.56	21.4	0.33	0.681	6.90	0.0	3.68	
1340	125	10.56	20.6	0.22	0.708	6.67	12.6	3.68	
1343	125	10.56	20.7	0.21	0.706	6.63	13.4	3.68	
1346	125	10.56	21.0	0.17	0.714	6.60	14.2	3.69	
1349	125	10.56	21.0	0.16	0.715	6.59	14.4	3.68	
1352	125	10.56	20.8	0.15	0.718	6.58	14.4	3.68	

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-3

1354

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramble	Location: Greenville	Date: 10-3-22
Project Number: FR7559C	Phase/Task: –	Personnel: QT

Well ID: MW-3BR	Screen Interval (ft) 59.5'-64.5	DTW (ft) 11.52
	Pump/Tubing Setting (ft) 62.5	DTB (ft) 65
	Well Diameter (in) 2"	Depth To Product (ft) –
	Tubing Diameter (in) .17 x .25	
Water Quality Meter Model #: YSI-PRO-16H10617F		Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1337	150	11.51	18.6	12.91	.34	9.71	47.9	11.11	CLEAR
1336	120	11.57	17.8	4.36	.34	9.63	34.2	6.50	
1340	120	11.87	17.6	3.75	.34	9.64	28.5	5.84	
1343	120	12.02	17.6	3.08	.34	9.62	16.9	5.71	
1346	120	12.11	17.6	3.04	.34	9.64	-2.9	4.26	
1349	120	12.15	17.6	3.05	.34	9.64	-2.1	4.15	
1352	120	12.19	17.5	3.05	.34	9.64	-1.6	4.01	↓
1355 - SAMPLED									

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-3BR
1355

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Brambette	Location: Greenville	Date: 10-3-22
Project Number: FR7559C	Phase/Task:	Personnel: QT

Well ID: MW-3BRL	Screen Interval (ft) 99-104	DTW (ft) 12.55
	Pump/Tubing Setting (ft) 103	DTB (ft) 104
	Well Diameter (in) 2"	Depth To Product (ft) —
	Tubing Diameter (in) .17 x .25	
Water Quality Meter Model #: 45I-PRO-1611061178		Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1115	120	12.61	17.8	15.23	0.65	8.19	-97.4	6.54	CLEAR
1119	120	15.02	17.5	4.76	0.68	7.91	-150.7	5.82	
1121	120	13.12	17.0	2.62	0.81	7.80	-216.7	8.03	[illegible]
1126	120	13.11	16.7	2.92	0.90	7.84	-256.9	8.16	FINES
1130	120	13.12	16.8	2.08	0.97	7.85	-245.9	8.23	CLEAR
1134	120	13.12	16.7	2.06	1.17	7.85	-261.7	8.19	"
1137	120	13.12	16.7	2.06	1.18	7.86	-264.5	8.11	"
1141	120	13.12	16.7	2.07	1.17	7.86	-267.1	8.06	"
1145 - SAMPLED									

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-3BRL
1145

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville Date: 9-28-22

Project Number: FR7559C Phase/Task: 03 Personnel: QT

Well ID: MW-5 Screen Interval (ft) 4-14' DTW (ft) 11.24

Pump/Tubing Setting (ft) @ 12.5 DTB (ft) 15.62

Well Diameter (in) 2.0 Depth To Product (ft) —

Tubing Diameter (in) 0.25

Water Quality Meter Model #: YSI-PRO Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1015	150	11.38	20.6	0.63	0.18	5.75	38.6	12.1	CLOUDY
1018	150	11.39	21.1	0.45	0.17	5.69	33.0	6.64	
1021	120	11.40	21.4	0.46	0.17	5.66	32	—	
1025	120	11.40	21.2	0.48	0.17	5.65	28.1	4.74	
1028	120	11.40	21.3	0.47	0.17	5.65	24.3	4.71	
1031	120	11.40	21.3	0.47	0.17	5.65	23.3	4.79	
1035	120	11.40	21.2	0.47	0.17	5.66	21.8	4.75	
1040-	SAMPLED								

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-5-20220928
1040

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Brandette Former MGP	Location: Greenville, SC	Date: 9/29/22
Project Number: FR7559B	Phase/Task: 03/....	Personnel: N. Charles

Well ID: MW - 7R	Screen Interval (ft) 5-15	DTW (ft) 5.54
	Pump/Tubing Setting (ft) 13	DTB (ft) 15
	Well Diameter (in) 2	Depth To Product (ft) NA
	Tubing Diameter (in) 0.17 x 0.25	
Water Quality Meter Model #: 21D221188 YSI		Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
0900	180	5.69	18.8	0.89	118.0	8.51	135.5	207	
0903	180	5.69	19.3	0.59	117.9	7.11	161.8	138	
0906	180	5.70	19.2	0.49	116.5	6.32	202.8	73.6	
0909	180	5.71	19.1	0.49	116.0	6.19	210.9	44.4	
0912	180	5.72	19.1	0.64	115.7	6.15	209.5	34.8	
0915	180	5.74	19.1	0.59	116.1	6.14	205.3	28.9	
0918	180	5.74	19.2	0.44	116.8	6.16	201.1	8.62	
0921	180	5.74	19.2	0.43	116.4	6.20	199.6	9.23	
0924	180	5.74	19.2	0.42	117.4	6.21	198.7	9.78	
0927	180	5.74	19.1	0.43	118.2	6.20	201.4	9.92	
0930	Samples	Collected							

NAC

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-7R-20220929

@ 0930

EPA 8260 & 8270/8270 SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (15 feet - 5.54 feet) x 0.16 gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (0.0014 gal/ft x 20 ft) + 0.1 gallons = 0.128 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; 1/2

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9/29/22

Project Number: FR7559B Phase/Task: Personnel: Allison McLane

Well ID: MW-9R Screen Interval (ft) 21-26 DTW (ft) 5.98

Pump/Tubing Setting (ft) 23 DTB (ft) 26

Well Diameter (in) 2 Depth To Product (ft) —

Tubing Diameter (in) 0.17 x 0.25

Water Quality Meter Model #: YSI Pro Plus ~~24919~~ 42919 Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
0900	Begin	Purge							
0904	190	6.05	18.2	1.16	143.7	5.08	192.8	0.64	
0907	190	6.07	18.3	0.83	139.0	6.05	218.4	0.12	
0910	190	6.10	18.3	0.75	137.5	5.53	226.0	0.16	
0913	190	6.10	18.2	0.72	136.6	5.24	230.8	0.00	
0916	190	6.10	18.3	0.66	136.7	5.10	231.7	0.11	
0919	190	6.10	18.2	0.64	136.4	5.09	231.1	0.10	
0922	190	6.10	18.2	0.62	136.3	5.09	228.5	0.12	
0925	Sample taken								

AM

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-9R-20220929
0925
EPA 8270
8270-SIM
8260

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (0.0014 gal/ft x 27 ft) + 0.1 gallons = 0.14 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9/28/2022

Project Number: FR7559C Phase/Task: 03 Personnel: KO

Well ID: MW-13R Screen Interval (ft) 10-20 DTW (ft) 7.38

Pump/Tubing Setting (ft) 15 DTB (ft) 23.46

Well Diameter (in) 2.0 Depth To Product (ft) —

Tubing Diameter (in) 0.25

Water Quality Meter Model #: YSI Pro Measurement Location: TOC

Time	*Purge Rate (mL/min)*	*DTW (ft)*	*Temp (°C)*	*DO (mg/L)*	*Specific Conductance (µS/cm)*	*pH (S.U.)*	*ORP (mV)*	*Turbidity (NTU)*	*Comments*
1504	225	7.50	19.9	2.33	0.119	4.57	63.8	2.53	
1506	250	7.50	19.8	1.99	0.119	4.58	64.0	1.75	
1508	250	7.51	19.7	1.58	0.119	4.63	62.0	0.50	
1510	250	7.51	19.7	1.14	0.118	4.69	60.4	0.35	
1513	250	7.51	19.6	0.84	0.118	4.72	62.1	0.35	
1516	250	7.51	19.7	0.83	0.119	4.74	63.1	0.35	
1518	250	7.51	19.6	0.85	0.119	4.74	63.7	0.35	

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-13R

1520

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlett Former MGP Location: Greenville, SC Date: 9/29/22

Project Number: FR7559C Phase/Task: 03/.... Personnel: N. Charles

Well ID: MW-15 Screen Interval (ft) 50 - 55 DTW (ft) 10.30

Pump/Tubing Setting (ft) 53 DTB (ft) 55

Well Diameter (in) 2 Depth To Product (ft) NA

Tubing Diameter (in) 0.17 x 0.25

Water Quality Meter Model #: YSI 21D221688 Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1425	200	10.61	18.3	3.43	110.3	6.56	186.4	3.22	
1428	200	10.61	18.2	3.17	110.4	6.27	194.9	2.91	
1431	200	10.61	18.1	3.60	109.9	6.16	197.0	3.05	
1434	200	10.61	18.2	3.88	109.7	6.08	198.0	2.87	
1437	200	10.61	18.4	3.88	109.6	6.05	197.9	2.75	
1440	200	10.61	18.0	3.81	109.3	6.03	197.5	2.43	
1443	200	10.61	18.1	3.90	108.8	6.03	197.2	2.17	
1446	200	10.61	18.1	3.88	109.2	6.02	197.7	2.35	
1449	200	10.61	18.1	3.87	108.8	6.03	197.2	2.13	
1500	Samples collected								
									NAC

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-15-20220929 @ 1500 MNA

8260/8270/8270 SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (55 feet - 10.30 feet) x 0.16 gallons/foot = 7.15 gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (0.0014 gal/ft x 57 ft) + 0.1 gallons = 0.17 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9/29/22

Project Number: FR 7559B Phase/Task: _____ Personnel: Allison McLane

Well ID: MW-16 Screen Interval (ft) 5-15 DTW (ft) 11.35

Pump/Tubing Setting (ft) 13.5 DTB (ft) 16

Well Diameter (in) 2 Depth To Product (ft) —

Tubing Diameter (in) 0.17 x 0.25

Water Quality Meter Model #: YSI Pro Plus 42919 Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1415	Begin	purge							
1420	170	11.61	19.3	0.72	848	6.66	-28.7	9.65	
1423	170	11.72	19.2	0.51	857	6.47	-30.3	11.20	
1427	170	11.97	19.0	0.37	867	6.38	-31.7	8.59	
1430	170	12.21	18.8	0.29	881	6.37	-32.6	8.65	
1435	170	12.44	18.9	0.22	905	6.35	-35.0	6.72	
1438	170	12.56	18.8	0.20	922	6.36	-37.4	6.19	
1441	170	12.70	18.8	0.18	930	6.36	-41.6	7.03	
1444	170	12.85	18.8	0.19	928	6.37	-46.0	6.55	
1450	Sample	taken							

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-16-20220929
1450
EPA 8260D
8270
8270-SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (0.0014 gal/ft x 17 ft) + 0.1 gallons = 0.124 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Brunbette Location: Greenville, SC Date: 10-4-22

Project Number: FR7559C Phase/Task: Personnel: QT

DUP 04

Well ID: MW-18 Screen Interval (ft) 9.5-24.5 DTW (ft) 14.08

Pump/Tubing Setting (ft) 19 DTB (ft) 27.55

Well Diameter (in) 2" Depth To Product (ft) —

Tubing Diameter (in) 0.17 x 0.25"

Water Quality Meter Model #: YSI-PRO Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
0856	150	14.11	15.5	19.55	0.36	6.40	-10.7	6.11	CLEAR
0857	150	14.13	16.9	5.11	0.32	6.45	-28.2	5.16	
0900	150	14.15	17.3	4.16	0.30	6.41	-38.7	4.66	
0903	150	14.16	17.3	3.96	0.30	6.40	-44.6	3.11	
0906	150	14.16	17.4	3.96	0.30	6.40	-44.8	3.65	
0910	150	14.16	17.4	3.95	0.29	6.41	-46.2	3.19	
0913	150	14.17	17.4	3.93	0.30	6.41	-46.1	3.26	
0917	150	14.17	17.4	3.94	0.30	6.41	-45.9	3.52	↓
0920	SAMPLED								

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-18-0920

DUP-04-2000

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bamlelle	Location: Greenville, SC	Date: 10/3/2022
Project Number: FR7459c	Phase/Task: C3	Personnel: KC

Well ID: MW-20	Screen Interval (ft) 20 - 25		DTW (ft) 11.13
	Pump/Tubing Setting (ft) 22.5		DTB (ft) 28.01
	Well Diameter (in) 2.0		Depth To Product (ft)
	Tubing Diameter (in) 0.25		
Water Quality Meter Model #: YSI Pro			Measurement Location: PVC

Time	*Purge Rate (mL/min)*	*DTW (ft)*	*Temp (°C)*	*DO (mg/L)*	*Specific Conductance (µS/cm)*	*pH (S.U.)*	*ORP (mV)*	*Turbidity (NTU)*	*Comments*
1446	150	11.27	20.3	0.76	0.233	6.89	22.4	~~15.7~~	8.70
1449	125	11.42	19.7	0.37	0.222	6.64	25.6	~~16.4~~	8.75
1452	125	11.44	19.5	0.27	0.217	6.54	31.7	6.86	
1455	125	11.45	19.1	0.19	0.211	6.36	42.0	6.93	
1458	125	11.45	19.4	0.16	0.204	6.37	44.0	6.90	Odor
1501	125	11.46	18.9	0.17	0.203	6.31	44.9	6.85	white
1504	125	11.46	18.8	0.16	0.202	6.29	45.5	6.79	orange
1507	125	11.46	18.8	0.16	0.202	6.29	45.7	6.77	
1510	125	11.46	18.8	0.16	0.202	6.28	46.0	6.75	

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-20

1513

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Branlette Location: Greenville, SC Date: 9-29-22

Project Number: FR7559C Phase/Task: 03 Personnel: JT

Well ID: MW-21 Screen Interval (ft) 5-18 DTW (ft) 11.64

Pump/Tubing Setting (ft) 15.0 DTB (ft) 16.07

Well Diameter (in) 2.0 Depth To Product (ft) —

Tubing Diameter (in) 0.25

Water Quality Meter Model #: YSI-PRO Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (mS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1447	250	11.71	18.9	0.43	0.60	6.77	-92.7	6.11	CLEAR, PUMP-ODOR
1450	200	11.75	19.0	0.33	0.61	6.77	-92.5	3.53	
1453	200	11.75	18.9	0.25	0.62	6.79	-91.6	3.65	
1456	200	11.75	18.9	0.23	0.62	6.86	-90.9	3.51	
1459	200	11.75	18.9	0.22	0.63	6.85	-90.2	2.96	
1503	200	11.75	18.9	0.22	0.63	6.85	-88.9	2.54	
1506	200	11.75	18.9	0.21	0.63	6.85	-87.6	2.41	
1509	200	11.75	18.9	0.21	0.64	6.85	-86.9	2.16	
1511	200	11.75	18.9	0.22	0.64	6.86	-85.3	2.01	
1515- SAMPLED									

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-21 / 1515

+ [redacted]

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9/29/2022

Project Number: FR7559C Phase/Task: 03 Personnel: KO

Well ID: MW-21BR
Screen Interval (ft) 37-42
Pump/Tubing Setting (ft) 39
Well Diameter (in) 2.0
Tubing Diameter (in) 0.25
Water Quality Meter Model #: YSI Pro Plus

DTW (ft) 10.08
DTB (ft) 45.24
Depth To Product (ft)
Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
0914	150	10.27						NTU ready	
0916	150	10.32	15.3	0.74	0.437	7.49	251.0	7.10	
0918	120	10.33	15.3	0.69	0.439	7.48	247.7	5.55	
0920	120	10.38	15.3	0.63	0.440	7.46	245.1	4.20	
0923	120	10.39	15.3	0.59	0.440	7.43	242.8	3.76	
0925	120	10.40	15.3	0.56	0.440	7.43	242.4	2.99	
0927	120	10.40	15.3	0.55	0.440	7.41	242.4	2.95	
0929	120	10.40	15.3	0.53	0.440	7.40	242.6	2.98	
0931	120	10.40	15.3	0.52	0.440	7.39	242.8	2.97	

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis
MW-21BR
0933

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramble Hill Location: Greenville, SC Date: 9-29-22

Project Number: FR7559C Phase/Task: 03 Personnel: QT

Well ID: MW-21BRL
Screen Interval (ft) 60-65
Pump/Tubing Setting (ft) 62.5
Well Diameter (in) 2.0
Tubing Diameter (in) 0.25
Water Quality Meter Model #: YSI-PRO
DTW (ft) 10.36
DTB (ft) 67.10
Depth To Product (ft) —
Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (mS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
0915	150	10.40	16.6	0.54	0.23	9.26	-155.8	3.10	CLEAR / Chem-odor
0918	100	10.47	16.3	0.92	0.23	9.26	-141.9	3.01	
0921	100	10.52	16.3	0.68	0.23	9.27	-155.4	2.72	
0924	100	10.56	16.4	0.52	0.24	9.27	-166.8	2.51	
0927	100	10.57	16.4	0.50	0.24	9.27	-172.5	2.11	
0930	100	10.57	16.4	0.50	0.24	9.26	-176.1	1.81	V
0935	SAMPLED								

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-21BRL
0935

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9/28/2022

Project Number: FR7559C Phase/Task: 03 Personnel: KO

Well ID: MW-22 Screen Interval (ft) 25-35 DTW (ft) 11.46

Pump/Tubing Setting (ft) 27* DTB (ft) 35.23

Well Diameter (in) 2.0 Depth To Product (ft) —

Tubing Diameter (in) 0.25

Water Quality Meter Model #: YSI Pro Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
0903	100	11.58	21.0	6.69	0.149	5.87	85.3	3.39	~~[illegible]~~
0905	100	11.62	21.1	3.41	0.158	5.81	90.0	3.25	~~[illegible]~~ KO
0907	100	11.68	20.9	2.06	0.165	5.77	93.3	2.21	
0910	125	11.70	21.0	1.85	0.169	5.74	94.6	1.98	
0912	125	11.71	20.9	1.62	0.172	5.73	94.6	1.98	
0915	125	11.72	20.8	1.50	0.175	5.70	95.0	1.72	
0918	125	11.73	20.7	1.44	0.176	5.70	94.8	1.45	
0921	125	11.73	20.6	1.44	0.176	5.69	94.7	1.77	
0924	125	11.74	20.5	1.42	0.176	5.71	94.4	1.25	
0927	125	11.75	20.3	1.42	0.176	5.70	94.4	1.26	
0928	125	11.75	20.3	1.41	0.177	5.70	94.2	1.26	

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-22
0932

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlett Location: Greenville SC Date: 10-4-22

Project Number: FR3559C Phase/Task: - Personnel: QT

Well ID: MW-25R Screen Interval (ft) 7.6 - 16.6 DTW (ft) 3.18

Pump/Tubing Setting (ft) 9.5 DTB (ft) 16.35

Well Diameter (in) 2" Depth To Product (ft) —

Tubing Diameter (in) ~~¼~~ ½ .17 x .25

Water Quality Meter Model #: YSI - PRO-1614106178 Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1114	200	3.18	24.6	9.24	0.25	6.83	-41.5	12.5	Clear
1117	200	3.25	23.2	4.01	0.32	6.87	-74.8	10.6	
1120	200	3.25	23.3	3.07	0.29	6.87	-84.4	9.6	
1123	200	3.27	23.4	2.97	0.28	6.87	-97.5	9.0	
1126	200	3.27	23.4	2.95	0.25	6.87	-101.2	9.2	
1130	200	3.27	23.5	2.93	0.25	6.87	-106.3	9.6	
1134	200	3.27	23.5	2.94	0.25	6.87	-109.2	9.0	
1140- SAMPLED									

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-25R / 1140

MS-04

MSD-04

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Brunswick	Location: Greenville, SC	Date: 9/29/22
Project Number: FR7559B	Phase/Task:	Personnel: Allison McLaurin

Well ID: MW-26	Screen Interval (ft) 45-55	DTW (ft) 7.51
	Pump/Tubing Setting (ft) 50	DTB (ft) 55
	Well Diameter (in) 2	Depth To Product (ft) —
	Tubing Diameter (in) 0.17 x 0.25	
Water Quality Meter Model #: YSI Pro Plus 42919		Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1600	Begin	purge							
1605	150	8.02	20.4	3.45	225.5	8.84	79.0	13.5	
1608	150	8.40	20.1	2.14	215.7	9.03	76.7	12.2	
1611	150	8.49	19.9	2.13	206.5	8.75	79.1	12.8	
1615	150	8.60	19.8	2.20	194.9	8.03	88.1	11.8	
1618	150	8.72	19.7	2.21	184.1	7.75	94.9	9.38	
1621	150	8.75	19.6	2.21	171.5	7.56	101.4	5.84	
1624	150	8.77	19.4	2.52	153.2	7.26	114.4	5.57	
1627	150	8.80	19.3	2.70	142.4	6.90	127.4	3.83	
1630	150	8.83	19.3	2.68	144.7	6.71	133.6	3.88	
1633	150	8.85	19.3	2.69	138.3	6.57	139.0	2.80	
1636	150	8.85	19.4	2.64	~~144.3~~ 139.0	6.39	144.3	2.45	
1639	150	8.85	19.3	2.65	130.3	6.30	147.6	2.67	
1641	150	8.85	19.3	2.63	128.0	6.28	150.0	3.10	
1644	150	8.85	19.3	2.65	130.4	6.28	150.8	2.78	
1645	Sample	taken							

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis
MW-26-20220929
1645
EPA 8260D
8270
8270-SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (0.0074 gal/ft x 55 ft) + 0.1 gallons = 0.18 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; 1/2

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: BRAMCENTER Location: GREENVILLE, SC Date: 9-28-22

Project Number: FR7559C Phase/Task: 03 Personnel: JT

Well ID: MW-27 Screen Interval (ft) 25-35 DTW (ft) 7.26

Pump/Tubing Setting (ft) 30 DTB (ft) 38.64

Well Diameter (in) 2.0 Depth To Product (ft) —

Tubing Diameter (in) 0.25

Water Quality Meter Model #: YSI-PRO Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (mS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1508	175	7.35	18.8	0.85	0.07	5.70	51.4	2.85	CLEAR
1511	200	7.35	18.6	0.77	0.07	5.36	103.6	2.46	
1514	200	7.35	18.6	0.71	0.07	5.29	117.9	1.72	
1516	200	7.35	18.5	0.69	0.07	5.28	164.9	1.56	
1519	200	7.35	18.5	0.69	0.07	5.28	190.7	1.42	
1523	200	7.35	18.5	0.69	0.07	5.29	199.1	1.38	
1525 - SAMPLED									

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-27
1525

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Former MGP Location: Greenville, SC Date: 9/29/22

Project Number: FR7559E Phase/Task: 03/... Personnel: N Charles

Well ID: MW-28 Screen Interval (ft) 35 - 45 DTW (ft) 6.14

Pump/Tubing Setting (ft) 40 DTB (ft) 45

Well Diameter (in) 2 Depth To Product (ft) NA

Tubing Diameter (in) 0.17 x 0.25

Water Quality Meter Model #: YSI 21D221688 Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1013	150	6.57	18.5	1.26	132.5	6.32	176.8	19.1	
1016	150	7.40	18.5	0.30	137.7	6.33	176.0	10.1	
1019	150	7.98	18.6	0.22	140.8	6.33	175.2	9.83	
1022	150	8.35	18.5	0.21	142.2	6.33	175.2	8.74	
1025	150	8.64	18.5	0.19	142.3	6.33	174.8	8.22	
1028	150	8.92	18.6	0.18	143.3	6.33	173.8	8.72	
1031	150	9.07	18.5	0.17	143.7	6.34	173.0	9.21	
1035	Sample	collected							
1047	Purge	stopped							

NAC

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-28-20220929

(9) 1035

8260/8270/8270 SIM / MNA

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (45 feet - 6.14 feet) x 0.16 gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (0.0014 gal/ft x 45 ft) + 0.1 gallons = 0.16 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlett Location: Greenville, SC Date: 9-27-22

Project Number: _____ Phase/Task: _____ Personnel: DT/KO

Well ID: MW-295 Screen Interval (ft) 5-15 DTW (ft) 8.55

Pump/Tubing Setting (ft) 10 DTB (ft) 17.80

Well Diameter (in) 2.0 Depth To Product (ft) —

Tubing Diameter (in) 0.25

Water Quality Meter Model #: 451-DPO Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (mS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
12:05	250	8.59	21.5	0.60	0.80	6.49	15.8	20.0	CLEAR
12:08	200	8.60	21.2	0.58	0.80	6.57	9.5	18.5	
12:11	200	8.60	20.8	0.45	0.79	6.40	19.3	14.9	
12:15	200	8.60	20.5	0.38	0.79	6.21	28.3	8.69	
12:18	200	8.60	20.4	0.34	0.79	6.13	32	7.32	
12:21	200	8.60	20.3	0.31	0.78	6.14	29.3	7.14	
12:24	200	8.60	20.3	0.30	0.77	6.14	32.2	4.64	
12:30	SAMPLED								

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-295

1230

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlett Location: Greenville, SC Date: 9/27/2022

Project Number: FR7559C Phase/Task: 03 Personnel: KO

Well ID: MW-29TZ Screen Interval (ft) 26-31 DTW (ft) 8.85

Pump/Tubing Setting (ft) 28 DTB (ft) 34.01

Well Diameter (in) 2.0 Depth To Product (ft) —

Tubing Diameter (in) 0.25

Water Quality Meter Model #: YSI Pro Measurement Location: TOC

*odor while purging

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1148	150	—	—	—	—	—	—	—	No recharge
1150	100	8.60	19.3	14.96	0.391	6.43	-43.5	5.82	odor while purging
1152	100	8.62	19.3	10.76	0.389	6.36	-43.5	6.50	
1155	100	8.70	19.0	3.00	0.385	6.30	-43.7	6.49	
1158	100	8.73	18.7	1.20	0.382	6.25	-44.5	6.01	
1201	100	8.75	18.5	1.01	0.381	6.22	-44.5	3.60	
1204	100	8.80	18.5	1.07	0.377	6.19	-44.9	3.25	
1207	100	8.82	18.7	1.05	0.374	6.17	-45.8	3.30	
1210	100	8.87	18.7	1.00	0.373	6.16	-45.0	3.30	
1213	100	8.83	18.7	1.00	0.373	6.15	-45.2	3.30	
1216	100	8.85	18.6	1.00	0.372	6.16	-45.1	3.25	

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-29TZ

1220

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9/27/2022

Project Number: FR7559C Phase/Task: 03 Personnel: KO

Well ID: MW-29BR Screen Interval (ft) 81-86 DTW (ft) 8.88

Pump/Tubing Setting (ft) 83 DTB (ft) 88.89

Well Diameter (in) 2 Depth To Product (ft) —

Tubing Diameter (in) 0.25

Water Quality Meter Model #: YSI Pro Measurement Location: TOC

stick

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1320	150	8.92	19.3	0.95	0.312	9.26	-65.3	1.69	Slight
1323	150	9.00	19.3	0.81	0.311	9.24	-73.0	1.26	odor,
1326	150	9.10	19.0	0.71	0.310	9.25	-80.0	1.93	green
1329	150	9.12	19.0	0.49	0.309	9.21	-93.1	0.86	
1332	150	9.13	18.8	0.42	0.307	9.25	-105.6	0.63	
1334	150	9.14	18.8	0.45	0.307	9.25	-110.7	0.62	
1337	150	9.15	18.7	0.42	0.306	9.25	-112.8	0.67	
1341	150	9.16	18.7	0.41	0.306	9.24	-113.0	0.63	

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-29BR

1345

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 10/4/22

Project Number: FR7559C Phase/Task: 03 Personnel: Allison McLaine

Well ID: MW-305 Screen Interval (ft) 9-19 DTW (ft) ~~13.83~~ 13.63 AM

Pump/Tubing Setting (ft) 16.5 DTB (ft) 19

Well Diameter (in) 2 Depth To Product (ft) —

Tubing Diameter (in) 0.17 x 0.25

Water Quality Meter Model #: YSI pro plus 22419 Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
0850	Begin purge								
0855	180 AM	13.79	18.7	0.48	351.4	6.64	3.6	22.7	flocs
0900	180 AM	13.72	18.8	0.46	354.7	6.55	-4.8	17.4 AM	
0905	180 AM	13.72	19.0	0.38	363.0	6.25	-16.6	7.89	
0910	180 AM	13.72	19.0	037	367.0	6.26	-22.0	3.13	
0913	180 AM	13.73	18.9	0.37	367.9	6.28	-26.6	4.05	
0916	180 AM	13.73	18.9	0.38	368.8	6.28	-28.7	3.93	
0919	180 AM	13.73	18.9	0.34	367.1	6.29	-30.1	3.62	
0920	Sample taken								

AM

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-305-20221004 0920

DUP-03-20221004 2000

EPA 8260D
8290
8270-SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramkett	Location: MW30TZ	Date: 10-7-22
Project Number: FR7559C	Phase/Task: 03	Personnel: NSW

Well ID: MW30TZ	Screen Interval (ft) 35-40	DTW (ft) 13.8
	Pump/Tubing Setting (ft) 38	DTB (ft) 41
	Well Diameter (in) 2	Depth To Product (ft) -
	Tubing Diameter (in) 0.17 x 0.25	
Water Quality Meter Model #: YSI Pro		Measurement Location: TOC
Fe^{2+} = mg/L		

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
0820	-	13.8	start	purge					
0900	188	15.7	17.4	4.4	0.29	6.16	15.5	9.57	
0905	188	16.1	17.3	4.0	0.29	6.22	5.8	8.87	
0910	188	16.5	17.4	4.3	0.29	6.24	0.7	10.1	
0915	188	16.9	17.4	4.0	0.29	6.18	-2.9	28.7	
0920	164	17.4	17.4	3.7	0.29	6.13	-4.9	OVER	over range
0930	164	17.6	17.4	3.6	0.29	6.26	-3.8	over range	
0935	164	18.0	17.3	3.0	0.28	6.09	-4.6	over range	
0940	164	18.3	17.3	2.8	0.28	6.09	-2.9	over range	
0945	164	18.5	17.3	2.8	0.28	6.09	-4.5	35.7	
0948	164	18.6	17.3	2.8	0.28	6.09	-3.6	39.3	
0951	164	18.7	17.3	2.7	0.28	6.08	-4.3	39.2	

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW 30TZ 20221003

0955

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **0.17"** = 0.0012; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.01

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Brunette	Location: MW315	Date: 10-3-22
Project Number: FR7559C	Phase/Task: 03	Personnel: NS

Well ID: MW315	Screen Interval (ft) 5-20	DTW (ft) NS 20.18
	Pump/Tubing Setting (ft) 9	DTB (ft) 20
	Well Diameter (in) 2 in	Depth To Product (ft) —
	Tubing Diameter (in) 3/8 x 0.25	
Water Quality Meter Model #: YSI Pro		Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
NW 1550	NW 180	17.7	begin purge						
1555	180	17.5	18.5	5.1	0.24	5.92	-16.9	0.31	
1600	180	17.5	18.2	4.1	0.24	5.94	-25.9	0.56	
1605	180	17.5	18.1	3.5	0.25	5.96	-33.1	0.00	
1610	180	17.5	18.0	3.3	0.25	5.97	-37.2	1.50	
1613	180	17.5	18.0	3.3	0.25	5.98	-38.7	0.13	
1616	180	17.5	18.0	3.2	0.25	5.98	-40.3	0.25	

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW315 20221003 1620

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette	Location: Greenville, SC	Date: 10/3/22
Project Number: FR7559C	Phase/Task: 03	Personnel: Allison McLain

Well ID: MW-31TZ	Screen Interval (ft) 28-38	DTW (ft) 14.59
	Pump/Tubing Setting (ft) 33	DTB (ft) 38
	Well Diameter (in) 2	Depth To Product (ft) —
	Tubing Diameter (in) 0.17 x 0.25	
Water Quality Meter Model #: YSI pro plus 42919		Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1555 Begin purge									
1600 ~~1502~~	150	15.02	18.9	0.46	273.4	6.31	172.7	19.6	
1606	150	15.08	18.5	0.36	303.9	6.24	66.0	17.4	
1610	150	15.10	18.6	0.32	319.4	6.23	51.1	9.72	
1615	150	15.12	18.1	0.24	334.8	6.23	37.4	7.52	
1620	150	15.15	17.9	0.19	341.9	6.24	31.8	6.52	
1623	150	15.16	17.9	0.20	342.7	6.22	30.3	4.28	
1626	150	15.17	17.9	0.21	345.3	6.22	29.2	3.69	
1629	150	15.18	17.9	0.20	346.3	6.24	28.9	3.97	
1630	Sample taken								

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis
MW-31TZ-20221003
1630
EPA 8260D
8270
8270-SIM
MNA Geochem

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bunker Hill	Location: MW325	Date: 10-3-22
Project Number: FR7559C	Phase/Task: 03	Personnel: NSW

Well ID: MW325	Screen Interval (ft) 20-35	DTW (ft) 13.70
	Pump/Tubing Setting (ft) 2	DTB (ft) 35
	Well Diameter (in) 2.0	Depth To Product (ft)
	Tubing Diameter (in) 0.25	
Water Quality Meter Model #: YSI Pro		Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1413	—	13.7	Begin	Purge	now				
1430	180	14.4	12.9	16.0	0.21	5.47	88	2.76	
1435	180	14.5	12.7	10.6	0.2	5.45	92	4.38	
1440	180	14.5	12.7	9.5	0.2	5.44	91.9	4.38	
1445	186	14.5	12.6	9.0	0.2	5.42	89.4	2.46	
1450	180	14.5	12.6	8.7	0.2	5.44	91.5	3.30	
1453	180	14.5	12.6	8.5	0.2	5.43	91.6	2.41	
1456	180	14.5	12.6	8.3	0.2	5.42	91.3	2.59	

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW325 20221003

1500

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Brandette Location: Greenville, SC Date: 10/3/22

Project Number: FR7559C Phase/Task: 03 Personnel: Allison McLain

Well ID: MW-32TZ
Screen Interval (ft) 56-66
Pump/Tubing Setting (ft) 61
Well Diameter (in) 2
Tubing Diameter (in) 0.17 x 0.25
Water Quality Meter Model #: YSI Pro plus 42919
DTW (ft) 13.92
DTB (ft) 66
Depth To Product (ft) --
Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1425	Begin	purge							
1430	170	13.93	17.6	0.83	351.6	6.26	84.1	14.6	
1435	170	13.93	17.3	0.52	327.3	6.48	89.2	12.0	
1440	170	13.93	17.2	0.39	264.4	6.22	124.6	7.43	
1445	170	13.93	17.2	0.29	253.3	6.06	136.0	4.55	
1450	170	13.93	17.1	0.26	250.9	6.00	140.1	2.05	
1453	170	13.93	17.1	0.22	249.5	5.96	141.7	0.93	
1456	170	13.93	17.1	0.22	250.4	5.94	140.2	0.64	
1459	170	13.93	17.1	0.21	252.1	5.94	136.3	1.02	
1500	Sample	taken							

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis
MW-32TZ-20221003
MS-03-20221003
MSD-03-20221003
EPA 8260D, 8270, 8270-SIM
1500

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 10/3/22

Project Number: FR7559C Phase/Task: 03 Personnel: Allison, Melanie

Well ID: MW-335 Screen Interval (ft) 5-20 DTW (ft) 12.10

Pump/Tubing Setting (ft) 16 DTB (ft) 20

Well Diameter (in) 2 Depth To Product (ft) —

Tubing Diameter (in) 0.17 x 0.25

Water Quality Meter Model #: YSI Pro plus 412919 Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1135	Begin	Purge							
1138	170	12.14	20.5	0.55	674	6.50	-13.4	12.0	
1143	170	12.12	20.4	0.51	683	6.51	-15.3	7.80	
1148	170	12.12	20.4	0.37	693	6.51	-19.2	4.23	
1153	170	12.12	20.5	0.31	689	6.53	-23.2	3.34	
1158	170	12.12	20.5	0.22	697	6.55	-27.8	2.85	
1201	170	12.12	20.5	0.22	699	6.55	-27.5	2.17	
1204	170	12.12	20.6	0.22	696	6.56	-28.4	1.95	
1205	Sample	Taken							
									ATM

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-335-20221003
1205
EPA 8260
8270
8270-SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Barnett Location: 33TZ Date: 10-3-22

Project Number: FR7559C Phase/Task: 03 Personnel: NSW

Well ID: 33TZ
Screen Interval (ft) 35-40
Pump/Tubing Setting (ft) 37.50
Well Diameter (in) 2
Tubing Diameter (in) 0.17 x 0.25
DTW (ft) 11.6
DTB (ft) 40
Depth To Product (ft) —
Water Quality Meter Model #: YSI Pro
Measurement Location: TOC
Fe^{2+} = mg/L

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
11:30	—	11.6	Begin	purge					NSW
11:49	180	12.9	19.6	18.1	0.27	7.06	-94.3	0.95	
11:55	180	13.8	19.4	7.7	0.27	7.04	-52.5	1.26	
1200	180	14.8	19.2	6.5	0.27	7.04	-55.6	1.55	
1205	180	15.6	19.1	6.3	0.27	7.04	-57.6	1.53	
1209	180	16.0	19.2	5.7	0.27	7.01	-59.8	0.84	
1211	180	16.5	19.2	5.5	0.27	7.02	-60.6	2.21	
1214	180	17.3	19.1	5.8	0.27	7.01	-61.3	2.02	

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

33TZ 20221003
12:30

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **0.17"** = 0.0012; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.01

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9/27/2022

Project Number: FR7559C Phase/Task: 03 Personnel: JT / KC

Well ID: MW-345 Screen Interval (ft) 10-25 DTW (ft) ~~11.70~~ 11.74

Pump/Tubing Setting (ft) 18 DTB (ft) 28.60

Well Diameter (in) 2 Depth To Product (ft) —

Tubing Diameter (in) 0.25

Water Quality Meter Model #: YSI Pro Measurement Location: TOC

Time	Purge Rate (mL/min) 340	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1012	~~340~~								
1013	200	11.91	18.3	0.41	1.189	6.46	-71.1	4.76	
1016	200	11.91	18.4	0.31	1.194	6.56	-96.6	3.84	
1019	200	12.00	18.4	0.37	1.193	6.56	-101.9	3.12	
1023	200	12.00	18.3	0.73	1.181	6.58	-104.5	9.23	
1027	200	12.00	18.2	0.56	1.164	6.48	-104.0	8.95	
1029	200	12.00	18.2	0.71	1.161	6.58	-104.0	6.59	
1031	200	12.00	18.2	0.48	1.162	6.59	-103.8	~~6.92~~	
1033	200	12.00	18.2	0.55	1.160	6.59	-103.8	6.59	
1034	200	12.00	18.2	0.54	1.159	6.59	-103.7	6.58	

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis
MW-345 1036

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9-27-22

Project Number: FR7559C Phase/Task: 03 Personnel: QT, KO

Well ID: MW-34T2 Screen Interval (ft) 40-50 DTW (ft) 12.43

Pump/Tubing Setting (ft) 45 DTB (ft) 53.61

Well Diameter (in) 2.0 Depth To Product (ft) —

Tubing Diameter (in) 0.25

Water Quality Meter Model #: YSI-PRO Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (MS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1100	150	12.51	21.2	4.16	0.37	7.72	-193	12.36	CLEAR
1103	100	12.53	20.4	1.15	0.36	7.65	-208	8.23	
1106	100	12.55	20.3	0.86	0.37	7.61	-225	9.46	
1109	100	12.56	20.2	0.61	0.37	7.62	-190	9.01	
1111	100	12.56	20.1	0.65	0.38	7.62	-133	9.16	
1114	100	12.56	20.1	0.68	0.38	7.62	-132	9.16	
1117	100	12.56	20.1	0.68	0.37	7.62	-128	9.05	
1120	100	12.57	20.2	0.64	0.37	7.62	-120	8.87	
1123	100	12.57	20.2	0.66	0.37	7.62	-115	8.95	
1126	100	12.57	20.2	0.64	0.38	7.62	-109	8.58	
1130-	SAMPLED								

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-34T2
1130

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9-27-22

Project Number: FR7559C Phase/Task: 03 Personnel: JT / KO

Well ID: MW-34BR Screen Interval (ft) 103-108 DTW (ft) 15.08

Pump/Tubing Setting (ft) 105 DTB (ft) 111.02

Well Diameter (in) 2.0 Depth To Product (ft) —

Tubing Diameter (in) 0.25

Water Quality Meter Model #: YSI PRO- Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
0935	110	13.08	19.3	0.65	0.78	9.84	-306	13.7	CLEAR
0938	105	13.10	19.4	0.42	0.77	9.97	-318	12.6	
0942	105	13.11	19.4	0.42	0.77	9.97	-319	11.7	
0944	105	13.11	19.4	0.38	0.77	9.97	-319	11.1	
0946	105	13.11	19.4	0.37	0.76	9.97	-320	9.26	
0948	105	13.11	19.4	0.37	0.76	9.97	-322	9.12	
0950	105	13.11	19.4	0.36	0.77	9.97	-324	9.09	
SAMPLED AT 0950									

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-34BR
0950

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec

Project Name: Bramlett Former MGP	Location: Greenville, SC	Date: 9/29/22	
Project Number: FR75598	Phase/Task: 03/--A	Personnel: N Charles	

Well ID: MW-355	Screen Interval (ft) 5-20	DTW (ft) 6.54	
	Pump/Tubing Setting (ft) 10	DTB (ft) 20	
	Well Diameter (in) 2	Depth To Product (ft) NA	
	Tubing Diameter (in) 0.17 X 0.25		
Water Quality Meter Model #: YSI 21D281681		Measurement Location: TOC	

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1120	125	6.86	18.8	0.42	160.2	6.41	180.9	18.7	
1123	125	6.86	18.7	0.34	160.5	6.37	181.3	13.9	
1126	125	6.94	18.7	0.25	160.0	6.35	180.9	10.3	
1129	125	6.98	18.9	0.23	159.7	6.34	180.8	9.72	
1132	125	6.98	18.8	0.19	160.1	6.35	179.8	5.91	
1135	125	6.98	19.1	0.21	159.8	6.36	179.5	4.32	
1138	125	6.98	19.2	0.20	160.8	6.34	179.6	5.15	
1141	125	6.98	19.2	0.20	160.5	6.36	178.0	5.72	
1144	125	6.98	19.1	0.19	160.4	6.36	177.9	4.91	
1147	125	6.98	19.2	0.20	160.7	6.36	178.2	4.72	
1150	Samples	collected							
1156	Purge	Stopped							
								NAC	

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-355-20220929 @ 1150

EPA 8260 & 8270/8270 SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (20 feet - 6.54 feet) x 0.16 gallons/foot = 2.15 gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (0.0014 gal/ft x 14 ft) + 0.1 gallons = 0.11 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Brainerd Location: Greenville, SC Date: 9/29/22

Project Number: FR7559B Phase/Task: Personnel: Allison McLane

Well ID: MW-35TZ Screen Interval (ft) 30-35 DTW (ft) 6.52

Pump/Tubing Setting (ft) 32 DTB (ft) 35

Well Diameter (in) 2 Depth To Product (ft)

Tubing Diameter (in) 0.17 x 0.25

Water Quality Meter Model #: YSI pro plus 42919 Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1117	Begin	Purge							
1121	160	7.98	18.9	0.54	264.3	6.28	48.0	0.89	
1125	160	8.19	18.8	0.39	264.2	6.38	33.9	1.01	
1130	160	8.73	18.8	0.31	264.4	6.48	22.7	0.76	
1135	160	9.49	18.7	0.24	263.0	6.58	15.9	1.27	
1138	160	9.71	18.6	0.26	263.0	6.60	9.8	0.76	
1141	160	10.06	18.6	0.26	264.5	6.64	5.9	0.86	
1144	160	10.28	18.6	0.27	263.6	6.64	5.2	0.98	
1150	Sample	taken							

AM

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis
MW-35TZ-20220929
1150
EPA 8260
8270
8270-SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (35 feet - 6.52 feet) x 0.16 gallons/foot = 4.56 gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (0.0014 gal/ft x 37 ft) + 0.1 gallons = 0.15 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Former MGP Location: Greenville, SC Date: 9/29/22

Project Number: FR7559E Phase/Task: 03/---- Personnel: N Chyrles / A. McLane

Well ID: MW35BR
Screen Interval (ft) 140-150
Pump/Tubing Setting (ft) 145
Well Diameter (in) 2
Tubing Diameter (in) 0.17 x 0.25
Water Quality Meter Model #: YSI 42919

DTW (ft) 4.39
DTB (ft) 150
Depth To Product (ft) NA
Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1230	260	3.89	19.3	1.66	605	7.11	-107.5	4.51	
1232	260	4.61	18.9	2.43	607	7.37	-136.4	3.98	
1235	260	5.86	18.7	0.47	602	7.70	-161.0	6.62	
1238	260	7.31	18.9	0.27	600	7.89	-177.8	1.83	
1241	260	8.40	18.7	0.23	599	7.98	-186.0	1.98	
1244	260	9.89	18.8	0.21	599	8.04	-194.2	1.13	
1247	260	11.61	18.8	0.18	598	8.08	-200.6	1.44	
1250	260	12.74	18.7	0.16	599	8.10	-204.5	1.73	
1253	260	13.70	18.6	0.17	597	8.11	-207.1	0.98	
1256	260	14.59	18.6	0.18	598	8.11	-209.4	0.87	
1300	Samples	collected							
1307	Purge	Stopped							

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW35BR-20220929 @ 1300

EPA 8260 & 8270/8270 SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (150 feet - 4.39 feet) x 0.16 gallons/foot = 23.29 gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (0.0014 gal/ft x 150 ft) + 0.1 gallons = 0.31 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9/28/22

Project Number: FR7559B Phase/Task: Personnel: Allison McLane

Well ID: MW-365 Screen Interval (ft) 5-20 DTW (ft) 9.58
Pump/Tubing Setting (ft) 16 DTB (ft) 20
Well Diameter (in) 2 Depth To Product (ft) —
Tubing Diameter (in) 0.17 x 0.25
Water Quality Meter Model #: YSI pro plus 42919 Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1240	Begin Purge								
1242	180	9.82	21.1	0.70	387.8	5.93	-39.9	3.02	odor
1246	180	9.84	21.1	0.47	398.8	6.02	-54.3	3.00	
1252	180	9.84	20.9	0.34	403.9	6.07	-65.5	4.19	
1256	180	9.85	21.0	0.22	408.9	6.12	-79.1	3.33	
1306	180	9.85	20.9	0.17	410.0	6.15	-89.2	3.62	
1309	180	9.85	20.7	0.21	410.1	6.17	-95.4	3.15	
1312	180	9.85	20.7	0.18	411.0	6.17	-96.4	2.98	
1315	180	9.85	20.7	0.20	412.1	6.17	-98.0	2.90	
1320	sample taken								

AM

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis
MW-365-20220928 1320
DUP-02-20220928 2000
EPA 8260D
8270
8270-SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (20 feet - 9.58 feet) x 0.16 gallons/foot = 1.67 gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (0.0014 gal/ft x 20 ft) + 0.1 gallons = 0.126 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Brownfield Former MGP	Location: Greenville, SC	Date: 9/28/22	
Project Number: FR7559[illegible]	Phase/Task: 03/....	Personnel: N. Charles	

Well ID: MW 36T2	Screen Interval (ft) 40 - 45	DTW (ft) 9.40	
	Pump/Tubing Setting (ft) 43	DTB (ft) 45	
	Well Diameter (in) 2	Depth To Product (ft) NA	
	Tubing Diameter (in) 0.17 x 0.25		
Water Quality Meter Model #: YSI 21D22 1688		Measurement Location: TOC	

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1320	200	9.48	21.1	5.47	118.9	6.99	389.4	2.43	
1323	200	9.49	21.2	4.33	119.7	6.46	414.2	3.24	
1326	200	9.50	20.8	3.45	120.1	6.17	424.8	2.79	
1329	200	9.50	20.6	2.98	120.2	6.04	427.9	2.84	
1332	200	9.50	20.6	2.67	120.8	6.09	431.8	2.97	
1335	200	9.50	20.6	2.65	120.6	6.12	433.2	2.59	
1338	200	9.50	20.5	2.63	119.7	6.10	433.7	2.34	
1341	200	9.50	20.4	2.65	119.3	6.11	434.2	2.55	
1345	Sample	collected							
1352	Purge	stopped							

NAC

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW 36T2 - 20220928

(D) 1345

EPA 8260, 8270, 8270 SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (45 feet - 9.40 feet) x 0.16 gallons/foot = 5.69 gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (0.0014 gal/ft x 47 ft) + 0.1 gallons = 0.16 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9/28/22

Project Number: FR7559B Phase/Task: Personnel: Allison McLane

Well ID: MW-36BR Screen Interval (ft) 63-68 DTW (ft) 9.28
Pump/Tubing Setting (ft) 65 DTB (ft) 68
Well Diameter (in) 2 Depth To Product (ft)
Tubing Diameter (in) 0.17 x 0.25
Water Quality Meter Model #: YSI Pro Plus 42919 Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1405	Begin	purge							
1410	180	9.44	20.2	0.47	311.4	6.85	-77.9	14.6	
1416	180	9.46	20.1	0.28	315.2	6.79	-98.8	10.1	
1419	180	9.46	19.9	0.21	306.1	6.75	-106.7	11.6	
1425	180	9.46	19.8	0.18	277.9	6.73	-105.4	12.8	
1428	180	9.47	19.8	0.15	241.1	6.63	-96.4	10.3	
1432	180	9.47	19.7	0.17	231.0	6.52	-91.9	11.4	
1435	180	9.48	19.7	0.17	228.2	6.50	-88.9	10.9	
1438	180	9.48	19.8	0.18	225.7	6.49	-89.8	11.0	
1441	180	9.48	19.7	0.18	224.2	6.50	-85.7	10.3	
1445	Sample	taken							

AM

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis
MW-36BR_20220928
1145
EPA 8260D
8270
8270-SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (0.0014 gal/ft x 69 ft) + 0.1 gallons = 0.197 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec consultants

Geosyntec Consultants
Groundwater Sampling Log

Project Name: Bramlette Former MGP
Location: Greenville, SC
Date: 9/28/22

Project Number: FR7559C
Phase/Task: 03/0---
Personnel: N. Charles

Well ID: MW37S
Screen Interval (ft) 5-20
Pump/Tubing Setting (ft) 18
Well Diameter (in) 2
Tubing Diameter (in) 0.17 x 0.25
Water Quality Meter Model #: YSI 21D221688
DTW (ft) 9.86
DTB (ft) 20
Depth To Product (ft) NA
Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1440	150	9.92	19.8	2.55	112.8	5.73	663.4	13.2	
1443	150	9.92	20.1	2.26	112.7	5.62	668.2	7.84	
1446	150	9.92	19.9	2.18	112.3	5.49	672.7	7.38	
1449	150	9.92	19.8	2.18	111.0	5.51	675.5	7.47	
1452	150	9.92	19.8	2.10	108.9	5.51	681.7	7.41	
1455	150	9.92	19.8	2.12	109.7	5.50	672.2	7.29	
1500	Samples	Collected							
1503	Purge	ended							

NAC

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW37S-20220928
@ 1500
EPA 8260/8270/8270 SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
=(20 feet - 9.86 feet) x 0.16 gallons/foot = 1.62 gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
=(0.0014 gal/ft x 25 ft) + 0.1 gallons = 0.135 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9/28/22

Project Number: FR7559B Phase/Task: Personnel: Allison McLan

Well ID: MW-37TZ Screen Interval (ft) 65-70 DTW (ft) 9.59

Pump/Tubing Setting (ft) 67 DTB (ft) 70

Well Diameter (in) 2 Depth To Product (ft) —

Tubing Diameter (in) 0.17 x 0.25

Water Quality Meter Model #: YSI Pro plus 42919 Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1519 ~~1515~~	Begin	Purge							
1522	170	11.69	19.6	0.94	664	6.97	-153.3	6.09	
1526	170	13.88	19.1	0.62	659	7.73	-166.2	5.47	
1536	170	16.51	19.1	0.58	658	8.17	-163.7	5.04	
1540	170	17.95	19.1	0.57	657	8.35	-163.6	4.72	
1544	170	19.44	19.1	0.55	656	8.25	-164.2	9.40	
1550	170	20.73	19.0	0.53	655	8.28	-167.6	4.59	
1553	170	21.66	19.0	0.50	653	8.30	-169.8	5.10	
1556	170	22.34	19.0	0.51	651	8.29	-171.3	4.83	
1559	170	22.93	19.0	0.50	650	8.28	-172.2	4.70	
1605	Sample	taken							

AM

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-37TZ-20220928
1605
EPA 8260D
8270
8270-SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (70 feet - 9.59 feet) x 0.16 gallons/foot = 9.7 gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (0.0014 gal/ft x 73 ft) + 0.1 gallons = 0.2 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; 1/2

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec

Project Name: Bramlette Former MGP Location: Greenville, SC Date: 9/28/22

Project Number: FR7559[illegible] Phase/Task: 03/... Personnel: N. Charles

Well ID: MW 37BR
Screen Interval (ft) 111 - 116
Pump/Tubing Setting (ft) 114
Well Diameter (in) 2
Tubing Diameter (in) 0.17 x 0.25
Water Quality Meter Model #: YSI 21022188

DTW (ft) 11.17
DTB (ft) 116
Depth To Product (ft) NA
Measurement Location: ToC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1540	200	11.45	20.5	1.40	211.7	6.63	112.2	9.11	
1543	200	11.74	20.1	0.58	289.9	6.74	88.2	8.73	
1546	200	11.87	20.0	0.40	303.6	6.79	69.0	8.52	
1549	200	12.00	19.9	0.32	311.4	6.85	68.5	7.39	
1552	200	12.10	19.8	0.30	318.2	6.90	69.2	7.92	
1555	200	12.19	19.8	0.29	315.4	6.88	69.8	7.58	
1558	200	12.22	19.7	0.22	357.0	6.99	70.1	6.92	
1601	200	12.29	19.7	0.19	355.8	7.01	69.7	6.35	
1604	200	12.36	19.7	0.18	354.2	7.03	71.2	6.42	
1607	200	12.41	19.7	0.17	352.9	7.05	70.5	6.12	
1610	200	12.45	19.7	0.16	353.8	7.04	72.1	6.87	
1615	Samples collected								
1620	Purge stopped								

MBC

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis
MW37BR-20220928
@ 1615
EPA 8260 & 8270/8270 SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (116 feet - 11.17 feet) x 0.16 gallons/foot = 16.77 gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (0.0014 gal/ft x 120 ft) + 0.1 gallons = 0.268 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlett Location: Greenville, SC Date: 9-29-22

Project Number: FR7559C Phase/Task: 03 Personnel: KO, JT

Well ID: MW-38S
Screen Interval (ft) 5-20
Pump/Tubing Setting (ft) 13.0
Well Diameter (in) 2.0
Tubing Diameter (in) 0.25
DTW (ft) 6.87
DTB (ft) 23.02
Depth To Product (ft) —
Water Quality Meter Model #: YSI-PRO
Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (mS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1039	200	6.89	17.7	0.32	0.23	6.36	-6.6	15.8	CLEAR
1043	200	6.90	17.6	0.23	0.23	6.32	-10.9	—	
1046	200	6.90	17.5	0.17	0.22	6.31	-13.3	5.27	
1049	200	6.90	17.4	0.19	0.22	6.31	-16.1	5.44	
1053	200	6.90	17.4	0.19	0.22	6.30	-18.2	5.51	
1056	200	6.90	17.4	0.18	0.22	6.31	-19.8	3.46	
1100	200	6.90	17.4	0.18	0.22	6.31	-20.2	2.12	
1103	200	6.90	17.4	0.19	0.22	6.31	-20.2	2.02	
1105 - SAMPLED									

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-38S
1105

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlett Rc Location: Greenville, SC Date: 9/29/22

Project Number: FR7559C Phase/Task: 03 Personnel: KO, JT

Well ID: MW-38BR Screen Interval (ft) 42-47 DTW (ft) 6.69

Pump/Tubing Setting (ft) 44.0 DTB (ft) 50.22

Well Diameter (in) 2.0 Depth To Product (ft) —

Tubing Diameter (in) 0.25

Water Quality Meter Model #: YSI Pro Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1045	140	6.95	—					No reading	
1048	140	7.00	16.3	0.44	0.296	7.62	60.7	4.70	
1051	130	7.00	16.3	0.43	0.296	7.62	60.3	3.85	
1054	130	7.01	16.3	0.37	0.296	7.58	11.3	2.01	
1057	130	7.01	16.2	0.32	0.295	7.52	-22.7	2.06	
1100	130	7.01	16.1	0.31	0.295	7.50	-29.6	1.65	
1103	130	7.01	16.1	0.26	0.294	7.50	-33.8	1.39	
1106	130	7.01	16.2	0.27	0.294	7.51	-42.1	1.38	
1108	130	7.01	16.2	0.28	0.294	7.50	-42.9	1.37	
1110	130	7.01	16.2	0.28	0.294	7.50	-42.9	1.37	

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-38BR 1113

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name:	Bramlette	Location:	Greenville, SC	Date:	9/29/2022
Project Number:	FR7559C	Phase/Task:	03	Personnel:	KW, JT

Well ID:	MW-39S	Screen Interval (ft)	9-24	DTW (ft)	12.35
		Pump/Tubing Setting (ft)	18	DTB (ft)	27.36
		Well Diameter (in)	2.0	Depth To Product (ft)	—
		Tubing Diameter (in)	0.25		
Water Quality Meter Model #:	YSI Pro			Measurement Location:	TOC

Time	*Purge Rate (mL/min)*	*DTW (ft)*	*Temp (°C)*	*DO (mg/L)*	*Specific Conductance (µS/cm)*	*pH (S.U.)*	*ORP (mV)*	*Turbidity (NTU)*	*Comments*
1252	150	12.35	15.6	2.99	0.216	6.60	100.1	5.20	
1255	230	12.35	15.5	1.87	0.215	6.41	123.7	4.35	
1257	240	12.35	15.5	1.60	0.215	6.45	125.1	2.78	
1300	240	12.35	15.5	0.44	0.214	6.31	154.6	1.50	
1303	240	12.35	15.5	0.41	0.213	6.29	163.2	1.50	
1306	240	12.35	15.6	0.51	0.214	6.28	173.8	1.50	
1309	240	12.35	15.6	0.61	0.213	6.27	181.9	1.50	
1311	240	12.35	15.6	0.60	0.214	6.27	181.9	1.50	
1313	240	12.35	15.6	0.63	0.214	6.26	186.5	1.50	

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-39S
1315
DUP-03 taken

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette	Location: Greenville, SC	Date: 9-29-22
Project Number: FR7559C	Phase/Task: 03	Personnel: KO

Well ID: MW-39BR	Screen Interval (ft) 45-50	DTW (ft) 12.05
	Pump/Tubing Setting (ft) 47	DTB (ft) 52.90
	Well Diameter (in) 2.0	Depth To Product (ft) —
	Tubing Diameter (in) 0.25	
Water Quality Meter Model #: YSI-PRO		Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1255	150	12.12	18.7	3.50	0.36	7.05	-15.2	4.11	CLEAR
1257	100	12.26	17.7	0.68	0.37	7.24	-66	4.65	
1300	100	12.27	17.5	0.51	0.37	7.25	-74.1	2.43	
1303	100	12.28	17.4	0.33	0.37	7.28	-80.5	2.11	
1305	100	12.27	17.4	1.24	0.37	7.29	-83.8	1.07	
1307	100	12.27	17.4	1.25	0.37	7.29	-85.5	1.10	
1310	100	12.28	17.4	1.26	0.37	7.29	-85.9	1.05	
1313	100	12.28	17.4	1.26	0.37	7.29	-88.9	.99	
1316	100	12.27	17.4	1.27	0.37	7.28	-92.6	.93	
1320 - SAMPLED									

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-39BR
1320
MS-01
MSD-01

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9/29/22

Project Number: FR7559C Phase/Task: 03 Personnel: KD

Well ID: MW-39BRL
Screen Interval (ft) 75 - 80
Pump/Tubing Setting (ft) 77
Well Diameter (in) 2.0
Tubing Diameter (in) 0.25
Water Quality Meter Model #: YSI Pro
DTW (ft) 13.55
DTB (ft) 82.76
Depth To Product (ft) —
Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1434	125	13.71	16.4	0.87	0.317	8.46	37.7	8.01	
1437	125	13.74	16.4	0.85	0.320	8.45	33.5	7.10	
1439	125	13.80	16.4	0.83	0.322	8.44	36.0	6.23	
1441	125	13.82	16.4	0.38	0.354	8.78	-51.0	5.65	
1443	125	13.83	16.4	0.30	0.379	8.94	-51.0	4.71	
1446	125	13.83	16.4	0.26	0.417	9.08	-110.8	3.80	
1449	125	13.84	16.4	0.25	0.440	9.15	-111.6	3.39	
1451	125	13.84	16.3	0.24	0.442	9.20	-139.6	3.35	
1453	125	13.85	16.2	0.23	0.443	9.22	-140.1	3.34	
1455	125	13.85	16.2	0.23	0.443	9.22	-141.0	3.34	

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-39BRL

1457

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Brambette Location: Greenville Date: 9-28-22

Project Number: FR7559C Phase/Task: 03 Personnel: QT

Well ID: MW-40BR Screen Interval (ft) 65-75 DTW (ft) 12.30

Pump/Tubing Setting (ft) 70 DTB (ft) 75.23

Well Diameter (in) 2.0 Depth To Product (ft) —

Tubing Diameter (in) 0.25

Water Quality Meter Model #: YSI-PRO-21022162 9 Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (mS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
0903	250	12.50	17.5	2.74	0.311	6.82	190.4	2.6	CLEAR
0905	150	12.52	17.6	1.94	0.31	6.80	180.8	1.5	
0907	150	12.53	17.6	1.63	0.31	6.89	178.7	1.0	
0910	150	12.53	17.6	1.50	0.31	6.91	177.6	.80	
0913	150	12.53	17.6	1.51	0.31	6.86	176.1	.75	
0916	150	12.53	17.6	1.29	0.31	6.85	175.7	—	
0920	150	12.53	17.6	1.27	0.31	6.85	177.8	0.60	
0923	150	12.53	17.6	1.27	0.31	6.84	177.4	0.57	
0930 - SAMPLED									

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-40BR-20220928

0930

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramalette Location: Greenville, SC Date: 4/28/2022

Project Number: FR7559C Phase/Task: 03 Personnel: KO

Well ID: MW-41S Screen Interval (ft) 5-20 DTW (ft) 2.46

Pump/Tubing Setting (ft) 12.5 DTB (ft) 19.97

Well Diameter (in) 2.0 Depth To Product (ft) —

Tubing Diameter (in) 0.25

Water Quality Meter Model #: YSI Pro Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1133	150	2.60	19.7	0.35	0.139	5.47	38.4	9.10	
1136	150	2.60	19.6	0.67	0.139	5.47	33.6	8.53	
1138	150	2.62	19.2	0.39	0.138	5.49	15.3	4.35	
1141	150	2.65	19.2	0.38	0.138	5.50	13.6	3.04	
1144	150	2.70	19.2	0.36	0.138	5.51	10.6	2.95	
1147	150	2.72	19.1	0.31	0.137	5.52	7.0	2.31	
1150	150	2.75	19.1	0.31	0.137	5.53	6.2	2.49	
1154	150	2.75	19.0	0.30	0.137	5.53	6.0	2.56	
1157	150	2.75	19.0	0.30	0.137	5.53	5.8	2.55	

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-41S

1159

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9-28-22

Project Number: FR7559C Phase/Task: 03 Personnel: QT

Well ID: MW-41TZ
Screen Interval (ft) 45-55
Pump/Tubing Setting (ft) 50
Well Diameter (in) 20
Tubing Diameter (in) 0.25
Water Quality Meter Model #: YSI-PCO

DTW (ft) 2.02
DTB (ft) 55.56
Depth To Product (ft) —
Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (mS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1145	150	2.09	17.3	8.02	1.0	7.58	-124	7.16	CLEAR
1149	100	2.25	17.3	6.57	1.0	7.44	-128	6.54	
1153	100	2.27	17.2	2.69	1.0	7.30	-128	5.01	
1156	100	2.26	17.2	2.26	1.0	7.29	-128	4.69	
1200	100	2.26	17.2	2.20	1.0	7.28	-129	4.08	
1204	100	2.26	17.2	2.19	1.0	7.29	-134	3.96	
1207	100	2.28	17.3	2.18	0.99	7.29	-138	3.90	
1210 - SAMPLED									

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-41TZ
1210

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlett	Location: Greenville, SC	Date: 9/28/2022
Project Number: FR7559C	Phase/Task: 03	Personnel: KO

Well ID: MW-41BR	Screen Interval (ft) 80 - 90	DTW (ft) 2.16
	Pump/Tubing Setting (ft) 85	DTB (ft) 90.48
	Well Diameter (in) 2	Depth To Product (ft) —
	Tubing Diameter (in) 0.25	
Water Quality Meter Model #: YSI Pro		Measurement Location: TOC

Time	*Purge Rate (mL/min)*	*DTW (ft)*	*Temp (°C)*	*DO (mg/L)*	*Specific Conductance (µS/cm)*	*pH (S.U.)*	*ORP (mV)*	*Turbidity (NTU)*	*Comments*
1250	150	2.30	17.5	3.29	0.858	7.85	-127	8.50	
1252	150	2.70	17.4	2.80	0.825	7.87	-132.2	6.20	
1254	150	3.30	17.3	2.18	0.848	7.89	-138.1	3.75	
1257	150	3.60	17.3	1.35	0.868	7.91	-151.2	2.89	
1300	150	4.17	17.2	1.02	0.863	7.93	-161.4	2.00	
1302	150	4.53	17.2	0.68	0.861	7.95	-170.0	1.63	
1304	150	5.05	17.2	0.67	0.861	7.96	-180.5	1.09	
1306	150	5.73	17.2	0.52	0.859	7.95	-187.0	1.09	
1308	150	6.01	17.1	0.60	0.859	7.94	-190.8	1.10	
1310	150	6.60	17.1	0.56	0.860	7.95	-200.0	1.10	
1313	150	7.10	17.2	0.59	0.862	7.95	-201.0	1.15	

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-41BR

1315

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette MGP Location: Greenville, SC Date: 9/28/22

Project Number: FR7559B Phase/Task: 03/... Personnel: N. Charles

Well ID: MW 42S Screen Interval (ft) 5 - 20 DTW (ft) 9.49

Pump/Tubing Setting (ft) 15 DTB (ft) 20

Well Diameter (in) 2 Depth To Product (ft) NA

Tubing Diameter (in) 0.17 x 0.25

Water Quality Meter Model #: YSI 21D22 1688 Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1050	125	9.56	20.3	3.81	100.5	5.53	186.0	9.23	
1053	125	9.56	20.4	3.10	99.8	5.50	188.3	8.04	
1056	125	9.56	20.3	3.01	99.6	5.49	189.8	9.53	
1059	125	9.56	20.5	2.71	99.8	5.47	192.0	9.15	
1102	125	9.56	20.4	2.73	99.2	5.45	192.8	9.27	
1105	125	9.56	20.4	2.59	99.0	5.47	193.1	9.13	
1109	125	9.56	20.4	2.52	99.3	5.50	192.8	9.19	
1115	Sample collected								
1119	Purge stopped								
							N/AC		

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW 42S - 20220928 @ 1115 EPA 8260D and 8270/8270 SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (20 feet - 9.49 feet) x 0.16 gallons/foot = 1.68 gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (0.0014 gal/ft x 20 ft) + 0.1 gallons = 0.128 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9/28/22

Project Number: FR7559B Phase/Task: _____ Personnel: Allison McGinn

Well ID: MW-42TZ
Screen Interval (ft) 50 - 55
Pump/Tubing Setting (ft) 52
Well Diameter (in) 2
Tubing Diameter (in) 0.17 x 0.25
DTW (ft) 9.36
DTB (ft) 55
Depth To Product (ft) —
Water Quality Meter Model #: YSI Pro plus 42919
Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
~~1055~~	~~150~~	Begin	Purge						
1058	150	9.50	19.3	5.26	141.2	7.32	88.8	1.70	
1104	150	9.46	19.5	3.69	136.6	6.15	146.2	0.72	
1108	150	9.46	19.5	3.26	135.0	5.75	167.3	1.31	
1111	150	9.47	19.5	3.18	134.5	5.50	182.0	0.57	
1114	150	9.47	19.4	3.14	134.1	5.37	190.5	0.88	
1117	150	9.47	19.3	2.98	133.9	5.25	199.1	1.02	
1120	150	9.48	19.3	2.98	134.0	5.22	201.3	0.43	
1123	150	9.48	19.3	3.02	134.1	5.17	204.2	0.61	
1126	150	9.48	19.3	3.03	134.2	5.16	206.0	0.55	
1130	Sample	taken							AM

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis
MW-42TZ-20220928
1130
EPA 8260D
8270
8270-SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (0.0014 gal/ft x 57 ft) + 0.1 gallons = 0.18 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Brasfield MGP Location: Greenville, SC Date: 9/28/22

Project Number: FR7559.6 Phase/Task: 03/-- Personnel: N Charles

Well ID: MW42 BR Screen Interval (ft) 72 - 77 DTW (ft) 9.74

Pump/Tubing Setting (ft) 73 DTB (ft) 77

Well Diameter (in) 2 Depth To Product (ft) NA

Tubing Diameter (in) 0.17 X 0.25

Water Quality Meter Model #: YSI 21D221688 Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1147	180	8.90	20.8	2.19	130.9	6.57	149.2	16.1	
1150	180	8.98	20.5	1.34	132.0	6.61	146.0	9.33	
1153	180	9.01	20.1	0.75	132.3	6.69	140.6	7.04	
1156	180	9.09	19.9	0.64	132.5	6.73	138.2	7.12	
1159	180	9.09	20.1	0.48	134.0	6.72	135.5	7.38	
1202	180	9.09	20.2	0.45	1342	6.73	64.5	7.31	
1205	180	9.09	20.3	0.24	158.7	6.81	32.5	7.57	
1208	180	9.09	20.2	0.23	159.7	6.83	31.7	7.48	
1211	180	9.09	20.1	0.23	158.4	6.84	32.3	7.12	
1215	Samples	Collected							
1220	Purge	Stopped							

NAC

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW42 BR - 20220928 @ 1215

EPA 8260 / 8270 / 8280 SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (77 feet - 9.74 feet) x 0.16 gallons/foot = 10.76 gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (0.0014 gal/ft x 78 ft) + 0.1 gallons = 0.2 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlett Former MGP Location: Greenville, SC Date: 9/27/22

Project Number: FR7559B Phase/Task: 03/01 Personnel: N. Charles

Well ID: MW435 Screen Interval (ft) 5-20 DTW (ft) 9.54

Pump/Tubing Setting (ft) 20 DTB (ft) 23.82

Well Diameter (in) 2 Depth To Product (ft) —

Tubing Diameter (in) 0.17 x 0.25

Water Quality Meter Model #: YSI 19C103330 Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1550	190	9.57	19.1	1.98	104.9	5.53	164.8	90.9	
1553	190	9.57	18.8	2.00	100.7	5.30	161.0	74.3	
1556	190	9.57	18.7	1.95	99.8	5.20	159.1	76.5	
1559	190	9.57	18.6	1.96	98.8	5.11	158.0	72.1	
1602	190	9.57	18.5	1.94	98.4	5.05	156.5	60.7	
1605	190	9.57	18.5	1.92	98.8	5.00	157.7	59.3	
1608	190	9.57	18.4	1.90	98.2	4.98	156.6	58.1	
1611	190	9.57	18.4	1.89	98.2	4.97	156.9	58.7	
1614	190	9.57	18.5	1.82	98.6	4.97	158.4	59.3	
1620	Collect Sample								
1623	Purge stopped								

NAC

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW435-20220927

EPA 8260B & 8270/8270 SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (23.82 feet - 9.54 feet) x 0.06 gallons/foot = 0.85 gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (0.0026 gal/ft x 25 ft) + 0.05 gallons = 0.115 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.

Geosyntec Consultants

Groundwater Sampling Log

Project Name: Brunswick MGP Location: Greenville, SC Date: 9/28/22

Project Number: FR7559C Phase/Task: 03/---- Personnel: N Charles

Well ID: MW-43 T2 Screen Interval (ft) 61 - 71 DTW (ft) 9.82

Pump/Tubing Setting (ft) 66 DTB (ft) 74.50

Well Diameter (in) 2 Depth To Product (ft) N/A

Tubing Diameter (in) 0.17 x 0.25 Measurement Location: TOC

Water Quality Meter Model #: YSI 21D221688

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
0855	200	10.10	16.8	3.30	99.7	7.37	186.4	6.98	
0858	200	10.12	16.9	1.94	98.1	7.33	154.2	6.93	
0901	200	10.12	16.9	1.48	97.2	7.12	148.4	7.56	
0904	200	10.12	17.0	0.89	96.9	6.66	152.1	6.95	
0907	200	10.12	17.0	0.64	97.5	6.31	159.4	6.97	
0910	200	10.12	17.0	0.59	97.5	6.28	158.2	6.83	
0913	200	10.12	17.0	0.53	97.3	6.25	155.3	6.89	
0916	200	10.12	17.0	0.55	97.3	6.21	151.2	6.80	
0920	Collect	Samples							
0925	Purge	Stopped							
									NAC

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-43T2-20220928

@ 0920

EPA 8260/8270/8270 SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (74.50 feet - 9.82 feet) x 0.16 gallons/foot = 10.34 gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (0.0014 gal/ft x 72 ft) + 0.1 gallons = 0.20 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9/28/22

Project Number: FR7559B Phase/Task: Personnel: Allison McLane

Well ID: MW-43BR Screen Interval (ft) 110-115 DTW (ft) 10.04
Pump/Tubing Setting (ft) 110 DTB (ft) 115
Well Diameter (in) 0.17 x 0.25 2 inch Depth To Product (ft) —
Tubing Diameter (in) ↓
Water Quality Meter Model #: YSI Pro Plus 42919 Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
0940	Begin	purge							
0943	180	11.68	17.4	0.62	295.9	7.76	-9.6	3.27	Odor
0951	180	13.37	17.4	0.35	295.7	7.72	-63.2	2.87	
0956	180	14.75	17.4	0.25	295.5	7.75	-86.3	2.29	
1001	180	15.99	17.4	0.26	295.3	7.76	-96.4	1.76	
1004	180	16.86	17.4	0.26	295.2	7.77	-103.0	1.80	
1007	180	17.84	17.4	0.29	295.6	7.75	-111.0	1.96	
1010	180	19.04	17.4	0.29	295.5	7.75	-115.0	2.10	
1015	Sample	taken							

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis
MW-43BR-20220928
1015
EPA 8260D
8270
8270-SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (115 feet - 10.04 feet) x 0.16 gallons/foot = 17 gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (0.0014 gal/ft x 114 ft) + 0.1 gallons = 0.26 gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; 1/2

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramble Location: Greenville, SC Date: 10-4-22

Project Number: FR7559C Phase/Task: – Personnel: GT

Well ID: MW-44TZ Screen Interval (ft) 20-25 DTW (ft) 17.75

Pump/Tubing Setting (ft) 22 DTB (ft) 25.31

Well Diameter (in) 2" Depth To Product (ft) –

Tubing Diameter (in) .17 x .25

Water Quality Meter Model #: YSI-PRO-1614/06178 Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance mS/cm	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1231	150	17.77	18.2	–	0.094	5.85	166.2	6.8	CLEAR
1235	150	17.78	18.1	139.12	.070	5.85	173.1	5.2	
1239	150	17.78	18.0	5.72	.068	5.70	196.8	–	
1242	150	17.78	18.1	5.69	.067	5.69	216.6	4.6	
1245	150	17.78	18.1	5.69	.065	5.69	218.4	4.2	
1249	150	17.78	18.1	5.71	.065	5.67	219.6	4.0	
1253	150	17.78	18.1	5.70	.065	5.67	222.8	4.6	
1255 - SAMPLED									

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-44TZ/1255

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Brandette Location: Greenville Date: 10-4-22

Project Number: FR7559C Phase/Task: — Personnel: QT

Well ID: MW-44BR
Screen Interval (ft) 50-60
Pump/Tubing Setting (ft) 55
Well Diameter (in) 2"
Tubing Diameter (in) .17x.25
DTW (ft) 17.25
DTB (ft) 59.28
Depth To Product (ft) —
Water Quality Meter Model #: YSI-PRO-1614106178
Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (mS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1326	150	17.31	18.4	4.73	0.20	4.95	348.4	5.88	CLEAR
1329	120	17.39	18.6	2.33	0.20	10.62	354.7	4.86	
1333	120	17.46	18.4	1.71	0.21	10.81	390.4	4.46	
1336	120	17.49	18.4	1.56	0.21	10.74	404.8	4.21	
1339	120	17.51	18.4	1.52	0.21	10.75	414.6	4.29	
1342	120	17.53	18.4	1.51	0.21	10.75	416.2	4.21	
1345	120	17.56	18.4	1.52	0.21	10.75	418.1	4.06	
1349	120	17.57	18.3	1.53	0.21	10.75	420.1	4.11	
1354	120	17.57	18.3	1.52	0.22	10.74	422.6	4.08	
1355	SAMPLED								

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis
MW-44BR/1355
+
GEOCHEMICAL PARAMETERS

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bamlette Location: Greenville, SC Date: 10/3/2022

Project Number: FR7559C Phase/Task: 03 Personnel: _____

Well ID: MW-45BR Screen Interval (ft) 80-90 DTW (ft) 12.60
Pump/Tubing Setting (ft) 85 DTB (ft) 93.34
Well Diameter (in) 2.0 Depth To Product (ft) —
Tubing Diameter (in) 0.25
Water Quality Meter Model #: YSI Pro Measurement Location: TOC

Time	*Purge Rate (mL/min)*	*DTW (ft)*	*Temp (°C)*	*DO (mg/L)*	*Specific Conductance (µS/cm)*	*pH (S.U.)*	*ORP (mV)*	*Turbidity (NTU)*	*Comments*
1119	120	12.60	19.6	4.59	0.681	9.93	-74.0	4.62	
1122	120	13.20	19.0	1.00	0.736	11.00	61.7	3.80	
1125	110	13.65	18.9	0.46	0.759	11.14	46.4	2.37	
1128	110	14.05	18.2	0.29	0.778	11.19	37.7	2.99	
1131	110	14.98	18.2	0.25	0.776	11.19	34.6	2.98	
1134	110	15.55	18.2	0.23	0.775	11.20	33.0	2.98	
1137	110	16.05	18.1	0.20	0.779	11.21	27.7	2.99	
1140	110	16.70	18.0	0.20	0.774	11.21	27.7	2.98	
1143	110	17.30	18.0	0.20	0.779	11.20	20.0	2.97	Reacted with HCl preserved VOA odor

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-45BR
1147
Geochemical parameter bottles

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec consultants

Geosyntec Consultants
Groundwater Sampling Log

Project Name: Bramlett Location: Greenville, SC Date: 10/3/2022

Project Number: FR75596 Phase/Task: 03 Personnel: KO

Well ID: MW-46BR Screen Interval (ft) 170-180 DTW (ft) 5.45

Pump/Tubing Setting (ft) 175 DTB (ft) 182.73

Well Diameter (in) 2.0 Depth To Product (ft) —

Tubing Diameter (in) 0.25 Measurement Location: TOC

Water Quality Meter Model #: YSI Pro

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
0932	140	6.38	18.5	1.80	0.241	8.55	124.9	3.51	
0933	125	7.01	18.4	0.72	0.239	8.38	110.6	1.76	
0936	100	7.43	18.3	0.40	0.237	8.32	96.3	1.86	
0937	100	7.75	18.5	0.36	0.236	8.30	91.8	1.89	
0942	100	8.45	18.4	0.33	0.237	8.32	88.2	1.96	
0945	100	8.80	18.4	0.30	0.236	8.30	84.6	1.90	
0948	100	9.30	18.2	0.29	0.236	8.31	80.0	1.89	
0951	100	9.57	18.3	0.29	0.236	8.31	75.0	1.89	
0953	100	9.83	18.3	0.28	0.236	8.32	73.8	1.89	

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or <10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis

MW-46BR

0954

Geochemical parameters collected

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec consultants

Geosyntec Consultants
Groundwater Sampling Log

Project Name: Bramblette	Location: Greenville	Date: 10-3-22
Project Number: FL7559C	Phase/Task:	Personnel: JT

Well ID: MW-47BR	Screen Interval (ft) 110-120	DTW (ft) 13.88
	Pump/Tubing Setting (ft) 115'	DTB (ft) 120
	Well Diameter (in) 2"	Depth To Product (ft) —
	Tubing Diameter (in) .17x.25	
Water Quality Meter Model #: YSI-PRO-16H106178		Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (mS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
0935	150*	13.48	16.6	10.84	3.56	12.52	74.8	9.27	CLEAR
0938	150	13.70	16.5	9.68	3.60	12.64	50.9	7.11	
0942	150	14.00	16.7	7.28	3.61	12.67	39.8	5.81	
0947	150	15.09	16.6	6.41	3.61	12.71	36.1	5.56	
0950	150	15.24	16.5	5.97	3.61	12.72	35.4	5.60	
0954	150	15.74	16.4	5.01	3.60	12.70	35.4	5.61	
0957	150	16.10	16.4	2.98	3.60	12.71	36.0	5.67	
1001	150	16.65	16.4	2.98	3.60	12.71	36.6	5.50	
1004	150	17.18	16.4	2.97	3.60	12.70	36.8	5.52	
1010 - SAMPLED									

*150 purge rate - could not go lower than 150 - pump would cut off

Stabilization Criteria	EPA Region 4	ASTM D 6771-02
pH	0.1	0.2
Sp. Cond.	5%	3%
Turbitiy	10% or < 10 NTU	none
DO	10% or 0.2 mg/L	10% or 0.2 mg/L
ORP	none	20 mV

Sample ID with Time and Analysis
MW-47BR + Geochemical Para 1010 - SAMPLED

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; 1/2

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramble Hill Location: 485 Date: 10-3-22

Project Number: FR7559C Phase/Task: 03 Personnel: N Weaver

Well ID: 485 Screen Interval (ft) 30-15 DTW (ft) 12.65

Pump/Tubing Setting (ft) 22 DTB (ft) 30.10

Well Diameter (in) 2 Depth To Product (ft) —

Tubing Diameter (in) 0.17 x 0.25

Water Quality Meter Model #: YSI Pro Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
0945	Begin	Purge							NSW
0950	170	12.80	19.3	9.6	0.32	6.46	-44.5	2.46	
0955	170	12.8	19.5	8.7	0.42	6.29	-24.8	5.79	
1000	170	12.8	19.5	5.1	0.57	6.23	-15.6	1.37	
1006	170	12.8	19.5	3.9	0.65	6.27	-12.7	1.19	
1013	170	12.8	19.6	3.2	0.7	6.32	-11.4	0.00	
1020	170	12.8	19.7	2.5	0.74	6.35	-9.4	0.00	
1025	170	12.8	19.8	2.3	0.74	6.37	-9.3	0.00	
1028	170	12.8	19.8	2.2	0.76	6.36	-7.7	0.00	
1031	170	12.8	19.8	2.1	0.75	6.37	-7.8	0.00	

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-485 20221003

10:40

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette	Location: Greenville, SC	Date: 10/3/22
Project Number: FR7559C	Phase/Task: 03	Personnel: Allison McClain

Well ID: MW-48TZ	Screen Interval (ft) 45-55	DTW (ft) 12.22
	Pump/Tubing Setting (ft) 50	DTB (ft) 55
	Well Diameter (in) 2	Depth To Product (ft) —
	Tubing Diameter (in) 0.17 x 0.25	
Water Quality Meter Model #: YSI pro plus 42919		Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
0950									
~~0945~~ AM	Begin Purge								
0952	200	13.03	18.5	0.69	203.5	8.38	-62.6	0.32	
0957	150	14.09	18.9	0.47	203.1	7.94	-84.4	0.00	
1002	150	15.70	18.6	0.27	200.5	7.63	-96.0	0.20	
1007	150	16.54	18.6	0.23	199.3	7.50	-102.0	0.06	
1012	150	18.42	18.5	0.21	198.5	7.37	-108.4	0.12	
1017	150	20.08	18.6	0.19	197.0	7.32	-112.9	0.08	
1020	150	20.94	18.7	0.18	198.0	7.31	-114.8	0.02	
1023	150	21.66	18.7	0.18	198.3	7.30	-115.2	0.10	
1025	Sample	taken							

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis
MW-48TZ - 20221003
1025
EPA 8260
8270
8270SIM

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9/27/2022

Project Number: FR7559C Phase/Task: 03 Personnel: MO, JT

Well ID: MW-505 Screen Interval (ft) 5-15 DTW (ft) 6.13

Pump/Tubing Setting (ft) 10 DTB (ft) 15.42

Well Diameter (in) 2.0 Depth To Product (ft) N/A

Tubing Diameter (in) 0.25

Water Quality Meter Model #: YSI Pro Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1503	125	6.20	19.3	2.16	0.125	5.22	111.1	5.07	
1506	125	6.21	19.4	1.97	0.123	5.13	130.9	4.31	
1508	125	6.25	19.2	2.17	0.122	5.09	145.4	4.34	
1511	125	6.30	19.1	2.00	0.121	5.04	168.1	4.32	
1513	125	6.35	19.1	1.90	0.121	5.04	183.7	4.33	
1516	125	6.40	19.1	1.74	0.121	5.04	193.4	4.32	
1518	125	6.41	19.0	1.56	0.121	5.02	200.0	4.30	
1521	125	6.42	19.0	1.55	0.120	5.03	201.0	4.32	
1523	125	6.43	19.0	1.53	0.121	5.03	202.2	4.31	

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-505

1525

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY

= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME

= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Geosyntec Consultants
Groundwater Sampling Log

Geosyntec consultants

Project Name: Bramlette Location: Greenville, SC Date: 9/27/22

Project Number: FR7559C Phase/Task: 03 Personnel: KO, JT

Well ID: MW-50TZ
Screen Interval (ft) 29 - 34
Pump/Tubing Setting (ft) 32
Well Diameter (in) 2.0
Tubing Diameter (in) 0.25
Water Quality Meter Model #: YSI Pro
DTW (ft) 4.80
DTB (ft) 34.32
Depth To Product (ft) NA
Measurement Location: TOC

Time	Purge Rate (mL/min)	DTW (ft)	Temp (°C)	DO (mg/L)	Specific Conductance (µS/cm)	pH (S.U.)	ORP (mV)	Turbidity (NTU)	Comments
1447	250	4.90	19.3	2.56	0.162	5.27	141.6	7.11	
1450	250	4.90	19.2	2.58	0.164	5.24	143.6	5.58	
1453	250	4.90	19.1	2.43	0.162	5.24	149.2	3.11	
1455	250	4.90	19.0	2.46	0.161	5.21	153.4	2.98	
1458	250	4.90	19.0	2.48	0.167	5.21	155.0	2.46	
1501	250	4.91	19.0	2.50	0.165	5.21	157.2	2.21	
1504	250	4.91	19.0	2.50	0.167	5.21	156.5	1.96	
1507	250	4.91	19.0	2.48	0.164	5.21	156.4	1.56	

Stabilization Criteria	*EPA Region 4*	*ASTM D 6771-02*
pH	*0.1*	*0.2*
Sp. Cond.	*5%*	*3%*
Turbitiy	*10% or <10 NTU*	*none*
DO	*10% or 0.2 mg/L*	*10% or 0.2 mg/L*
ORP	*none*	*20 mV*

Sample ID with Time and Analysis

MW-50TZ
1510

Well Volume = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= (feet - feet) x gallons/foot = gal

Well Capacity (gallons/foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.8

Equipment Volume = (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME
= (gal/ft x ft) + gallons = gallons

Tubing Inside Dia. Capacity (gal/ft): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2**

Surface Water Sampling Log

Sample Location ID: SW-2
Sample Date: 9/27/22

GPS Location Code: —	**Sampling Personnel:** N. Charles & A. McLane
Weather Conditions: —	
Water Depth (ft) —	Stream Velocity (ft/s) —
Sample Depth 6"	
Sampling Method: (Immersion) Pump	Other: —
Accessed by: Boat (Land)	

Sample ID: SW-2-20220927 **Sample Time:** 1445

Water Quality:

Temp (°C): 23.2

Conductivity (mS/cm): 178.1

pH: 9.25

DO (%): 54.5

DO (mg/L) 4.59

ORP (mV): 26.8

Turbidity (NTU): 60.6

Salinity (ppt): —

Stream Description (odor, color, qualitative turbidity, debris, trash, etc.):

light brown color

QA/QC Report

QA/QC Type	QA/QC Sample ID	Time	Parent

Additional Comments

Analsyes: EPA 8260D and 8270/8270 SIM

Instrument IDs:

Turbidity Meter: HACH 047828

Water Quality Instrument: YSI 21D22168

Geosyntec consultants

Surface Water Sampling Log

Sample Location ID: SW-3
Sample Date: 9/27/22

GPS Location Code: —	**Sampling Personnel:** N. Charles & A. McLane
Weather Conditions: —	
Water Depth (ft) —	Stream Velocity (ft/s) —
Sample Depth 6"	
Sampling Method: (Immersion) Pump	Other: —
Accessed by: Boat (Land)	

Sample ID: SW-3-20220927 **Sample Time:** 1420

Water Quality:

Temp (°C): 19.8

Conductivity (mS/cm): 197.7

pH: 8.95

DO (%): 22.8

DO (mg/L) 2.09

ORP (mV): -2.5

Turbidity (NTU): 64.3

Salinity (ppt): —

Stream Description (odor, color, qualitative turbidity, debris, trash, etc.):

—

QA/QC Report

QA/QC Type	QA/QC Sample ID	Time	Parent

Additional Comments

Analsyes: EPA 8260 D & 8270 / 8270 SIM

Instrument IDs:

Turbidity Meter: HACH 047824

Water Quality Instrument: YSI 21D22168

Geosyntec consultants

Surface Water Sampling Log

Sample Location ID: SW-4
Sample Date: 9/27/22

GPS Location Code: —	**Sampling Personnel:** N Charles & A. McLane
Weather Conditions: —	
Water Depth (ft) —	Stream Velocity (ft/s) —
Sample Depth 6"	
Sampling Method: (Immersion) Pump	Other: —
Accessed by: Boat (Land)	

Sample ID: SW-4-20220927 **Sample Time:** 1400

Water Quality:

Temp (°C): 21.2

Conductivity (~~mS/cm~~ µS/cm): 373.4

pH: 8.30

DO (%): 21.1

DO (mg/L) 1.81

ORP (mV): 19.6

Turbidity (NTU): 37.7

Salinity (ppt): —

Stream Description (odor, color, qualitative turbidity, debris, trash, etc.):
brown color, turbid

QA/QC Report

QA/QC Type	QA/QC Sample ID	Time	Parent

Additional Comments

Analsyes: EPA method 8270 and 8260D
8270 SIM

Instrument IDs:
Turbidity Meter: HACH 047828
Water Quality Instrument: YSI 21022168

Geosyntec consultants

Surface Water Sampling Log

Sample Location ID: SW-7
Sample Date: 9/26/22

GPS Location Code: —
Weather Conditions: Sunny 60°

Sampling Personnel: N. Charles & A. McLane

Water Depth (ft): 18.93
Sample Depth: ~~18~~ 19.50
Sampling Method: (Immersion) Pump
Accessed by: Boat (Land)

Stream Velocity (ft/s): X
Other: X

Sample ID: SW-7-20220926
Sample Time: 1600

Water Quality:

Temp (°C): 22.3
Conductivity (µS/cm): 247.0
pH: 0.16
DO (%): 132.2
DO (mg/L) 9.25
ORP (mV): 168.9
Turbidity (NTU): 8.92
Salinity (ppt): X

Stream Description (odor, color, qualitative turbidity, debris, trash, etc.):
dark brown turbid color, leaf litter on surface

QA/QC Report

QA/QC Type	QA/QC Sample ID	Time	Parent

Additional Comments

Analsyes: EPA-8270/8270 SIM & 8260

Instrument IDs:
Turbidity Meter: 047828
Water Quality Instrument: 21022168B

Geosyntec consultants

Surface Water Sampling Log

Sample Location ID: SW-8
Sample Date: 9/26/22

GPS Location Code: —	**Sampling Personnel:** N. Charles & A. McLane
Weather Conditions: Sunny 80°	
Water Depth (ft) —	Stream Velocity (ft/s)
Sample Depth 6"	
Sampling Method: Immersion / Pump	Other: X
Accessed by: Boat / Land	

Sample ID: SW-8-20220926 **Sample Time:** 1645

Water Quality:

Temp (°C): 20.9

Conductivity (µS/cm): 71.7

pH: -1.06

DO (%): 101.3

DO (mg/L) 8.13

ORP (mV): 244.6

Turbidity (NTU): 8.80

Salinity (ppt): X

Stream Description (odor, color, qualitative turbidity, debris, trash, etc.):

~~Floor~~

QA/QC Report

QA/QC Type	QA/QC Sample ID	Time	Parent

Additional Comments

Analsyes: EPA 8270/8270 SIM & 8260

Instrument IDs:

Turbidity Meter: 047828

Water Quality Instrument: 21D221188

Geosyntec consultants

Surface Water Sampling Log

Sample Location ID: SW-9
Sample Date: 9/27/22

GPS Location Code: —	**Sampling Personnel:** N. Charles & A. McLane
Weather Conditions: Sunny 70s	
Water Depth (ft) 1.7	Stream Velocity (ft/s) X
Sample Depth 0.8 ft	
Sampling Method: (Immersion) Pump	Other: —
Accessed by: Boat (Land)	

Sample ID: SW-9-20220927 **Sample Time:** 0930

Water Quality:

Temp (°C):	16.4
Conductivity (µS/cm):	50.4
pH:	7.97
DO (%):	84.6
DO (mg/L)	8.15
ORP (mV):	180.6
Turbidity (NTU):	8.19
Salinity (ppt):	X

Stream Description (odor, color, qualitative turbidity, debris, trash, etc.):

—

QA/QC Report

QA/QC Type	QA/QC Sample ID	Time	Parent

Additional Comments

Analsyes: EPA Method 8270 and 8260
8270 SIM

Instrument IDs:
Turbidity Meter: HACH 047828
Water Quality Instrument: YSI 21D22168

Geosyntec consultants

Surface Water Sampling Log

Sample Location ID: SW-10
Sample Date: 9/27/22

GPS Location Code: —	**Sampling Personnel:** N. Charles & A. McLane
Weather Conditions: —	
Water Depth (ft) —	Stream Velocity (ft/s) —
Sample Depth 6"	
Sampling Method: (Immersion) Pump	Other: —
Accessed by: Boat (Land)	

Sample ID: SW-10-20220927 **Sample Time:** 1020

Water Quality:

Temp (°C): 16.8

Conductivity (µS/cm): 81.2

pH: 10.00

DO (%): 84.6

DO (mg/L) 7.74

ORP (mV): 70.6

Turbidity (NTU): 21.9

Salinity (ppt): X

Stream Description (odor, color, qualitative turbidity, debris, trash, etc.):

—

QA/QC Report

QA/QC Type	QA/QC Sample ID	Time	Parent

Additional Comments

Analsyes: EPA 8260 D & 8270/8270 SIM

Instrument IDs:

Turbidity Meter: HACH 047828

Water Quality Instrument: YSI 21D22168

Geosyntec consultants

Surface Water Sampling Log

Sample Location ID: SW-11
Sample Date: 9/27/22

GPS Location Code: —	**Sampling Personnel:** N. Charles & A. McLane
Weather Conditions: —	
Water Depth (ft) —	Stream Velocity (ft/s) X
Sample Depth 6"	
Sampling Method: (Immersion) Pump	Other: X
Accessed by: Boat (Land)	

Sample ID: SW-11-20220927 **Sample Time:** 1130

Water Quality:

Temp (°C): 17.9

Conductivity (mS/cm): 84.0

pH: 8.65

DO (%): 64.3

DO (mg/L) 5.97

ORP (mV): 6.5

Turbidity (NTU): 8.91

Salinity (ppt): X

Stream Description (odor, color, qualitative turbidity, debris, trash, etc.):

Clear

QA/QC Report

QA/QC Type	QA/QC Sample ID	Time	Parent

Additional Comments

Analsyes: EPA 8260 D & 8270/8270 SIM

DUP-01 taken here at "2000"

Instrument IDs:

Turbidity Meter: HACH 047828

Water Quality Instrument: YSI 21D22168

Geosyntec consultants

Surface Water Sampling Log

Sample Location ID: SW-12
Sample Date: 9/27/22

GPS Location Code: —	**Sampling Personnel:** N. Charles & A. mclane
Weather Conditions: —	
Water Depth (ft) —	Stream Velocity (ft/s) —
Sample Depth 1'	
Sampling Method: (Immersion) Pump	Other: —
Accessed by: Boat (Land)	

Sample ID: SW-12-20220927 **Sample Time:** 1200

Water Quality:

Temp (°C): 17.4

Conductivity (mS/cm):

pH: 10.05

DO (%): 91.8

DO (mg/L) 8.32

ORP (mV): -32.9

Turbidity (NTU): 10.4

Salinity (ppt): —

Stream Description (odor, color, qualitative turbidity, debris, trash, etc.):

—

QA/QC Report

QA/QC Type	QA/QC Sample ID	Time	Parent

Additional Comments

Analsyes: EPA 8260 D & 8270 / 8270 SIM

Instrument IDs:

Turbidity Meter: HACH 047828

Water Quality Instrument: YSI 21D22168

Geosyntec consultants

APPENDIX C

COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Well Screen Interval (ft bls):	5 - 15	5 - 15	5 - 15	5 - 15	5 - 15	5 - 15	5 - 15	5 - 15
			Sample Collection Date:	03/20/2019	02/17/2020	09/24/2020	03/15/2021	09/09/2021	03/15/2022	03/15/2022	10/03/2022
	SCDHEC MCL (R.61-58)	Units							(DUP)		
Volatile Organic Compounds (USEPA Method 8260)											
1,2-Dichlorobenzene	600	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	12.5 U	12.5 U
1,4-Dichlorobenzene	75	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	12.5 U	12.5 U
Benzene	5	µg/L	**25.8**	**29.9**	**13.6**	**11.1**	**15.3**	**17.2**	**16.8**	**15.8**
Ethylbenzene	700	µg/L	44.9	42.4	35.5	23.5	29.2	29.3	28.8	28.5
m,p-Xylenes	NE	µg/L	35.4	43.3	27.3	14.2 J	20.0	21.7	21.6 J	21.3 J
Naphthalene	25	µg/L	**1700**	**1970**	**1810**	**938**	**1490**	**1890**	**1790**	**1700**
O-Xylene	NE	µg/L	27.8	28.3	22.8	11.9	18.6	18.7	18.5	17.8
p-Isopropyltoluene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	4.5 J	41.2 J	12.5 U
Styrene	100	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	12.5 U	12.5 U
Toluene	1000	µg/L	11.2	12.4	4.8 J	6.4 J	5.8 J	5.4 J	12.5 U	6.6 J
Total Xylenes	10000	µg/L	63.3	71.5	50	26.1	38.6	40.4	40.1	39.1
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	491	462	549	357	602	419	440	722
2-Methylnaphthalene	NE	µg/L	479	476	555	350	573	430	433	710
Acenaphthene	NE	µg/L	225	207	220	139	226	177	189	305
Acenaphthylene	NE	µg/L	10 U	96.2 U	10 U	10.0 U	9.1 U	9.1 U	9.5 U	9.1 U
Anthracene	NE	µg/L	10.5	96.2 U	12.3	5.8 J	10.7	9.2	9.7	15.5
Benzo(A)Anthracene	NE	µg/L	10 U	96.2 U	10 U	10.0 U	9.1 U	9.1 U	9.5 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	10 U	96.2 U	10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	96.2 U	10 U	10.0 U	9.1 U	9.1 U	9.5 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	96.2 U	10 U	10.0 U	9.1 U	9.1 U	9.5 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	96.2 U	10 U	10.0 U	9.1 U	9.1 U	9.5 U	9.1 U
Chrysene	NE	µg/L	10 U	96.2 U	10 U	10.0 U	9.1 U	9.1 U	9.5 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	96.2 U	10 U	10.0 U	9.1 U	9.1 U	9.5 U	9.1 U
Dibenzofuran	NE	µg/L	22.5	23.2 J	26.3	15.1	25.7	22.7	23.5	32.5
Fluoranthene	NE	µg/L	3 J	96.2 U	3.3 J	10.0 U	3.0 J	2.5 J	2.5 J	4.2 J
Fluorene	NE	µg/L	66.1	66.7 J	71.6	40.5	69.9	60.9	61.7	90.6
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	96.2 U	10 U	10.0 U	9.1 U	9.1 U	9.5 U	9.1 U
Phenanthrene	NE	µg/L	56.3	74.2 J	75.8	38.2	67.7	62.2	66.9	93.4
Pyrene	NE	µg/L	4.2 J	96.2 U	5.2 J	2.7 J	3.9 J	4.2 J	4.7 J	5.7 J
Field Parameters										
Dissolved Oxygen	NE	mg/L	0.5	0.22	0.75	0.41	2.21	--	0.43	3.16
Eh	NE	mV	162	422	234	144	83	--	71	
Oxidation-Reduction Potential	NE	mV	-43	217	29	-61	-122	--	-134	-89.3
pH	NE	SU	6.42	6.22	6.3	6.34	6	--	6.35	6.82
Specific Conductivity	NE	µS/cm	407	360	362	324	345	--	345	0.36
Temperature	NE	deg c	16	17	19	15	19	--	15.1	18.7
Turbidity	NE	NTU	5.37	0.3	3.1	0.8	0.6	--	0.33	3.14

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-2	MW-2	MW-2	MW-2BR	MW-2BR	MW-2BR	MW-2BR	MW-2BR	MW-2BR	MW-2BR
	Well Screen Interval (ft bls):		5 - 15	5 - 15	5 - 15	55 - 60	55 - 60	55 - 60	55 - 60	55 - 60	55 - 60	55 - 60
	Sample Collection Date:		03/20/2019	03/20/2019	02/17/2020	11/25/2019	02/17/2020	09/29/2020	03/10/2021	10/13/2021	03/09/2022	10/04/2022
	SCDHEC MCL (R.61-58)	Units	(DUP)									
Volatile Organic Compounds (USEPA Method 8260)												
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	25 U	12.5 U	10 U	10.0 U	10.0 U	5.0 U	10.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	25 U	12.5 U	10 U	10.0 U	10.0 U	5.0 U	10.0 U
Benzene	5	µg/L	1.5	3.4	0.37 J	**1100**	**964**	**973**	**1250**	**655**	**482**	**767**
Ethylbenzene	700	µg/L	1 U	1 U	1 U	274	92.8	130	104	104	22.3	107
m,p-Xylenes	NE	µg/L	2 U	2 U	2 U	143	72.8	43.1	15.9 J	27.4	20.8	60.1
Naphthalene	25	µg/L	0.98 J	1.7	1 U	**3900**	**1160**	**1910**	**738**	**981**	**525**	**1930**
O-Xylene	NE	µg/L	1 U	1 U	1 U	82.5	45.5	40.4	28.1	29.7	23.3	45.8
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	25 U	12.5 U	10 U	10.0 U	10.0 U	5.0 U	10.0 U
Styrene	100	µg/L	1 U	1 U	1 U	9.6 J	12.5 U	10 U	10.0 U	10.0 U	5.0 U	10.0 U
Toluene	1000	µg/L	1 U	1 U	1 U	89.2	69	59.6	44.6	9.3 J	3.8 J	15.1
Total Xylenes	10000	µg/L	1 U	1 U	1 U	226	118	83.5	44.0	57.1	44.1	106
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)												
1-Methylnaphthalene	NE	µg/L	10 U	10 U	10 U	259	46.5	39.6	101	63.0	38.0	123
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10 U	432	59.8	47.3	8.4 J	25.4	19.1	111
Acenaphthene	NE	µg/L	10 U	10 U	10 U	203	28.7	19.6	48.4	29.1	47.3	75.5
Acenaphthylene	NE	µg/L	10 U	10 U	10 U	20.7	3.6 J	2.3 J	4.6 J	2.1 J	4.0 J	3.6 J
Anthracene	NE	µg/L	10 U	10 U	10 U	4.9 J	9.8 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10 U	9.9 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Benzo(A)Pyrene	0.2	µg/L	10 U	10 U	10 U	9.9 U	9.8 U	**5.3 J**	0.10 U	0.10 U	1.0 U	1.0 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10 U	9.9 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10 U	9.9 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10 U	9.9 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Chrysene	NE	µg/L	10 U	10 U	10 U	9.9 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10 U	9.9 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Dibenzofuran	NE	µg/L	10 U	10 U	10 U	10.7	9.8 U	10 U	2.2 J	9.1 U	10.0 U	3.2 J
Fluoranthene	NE	µg/L	10 U	10 U	10 U	9.9 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Fluorene	NE	µg/L	10 U	10 U	10 U	36.7	6.2 J	2.4 J	7.5 J	4.2 J	5.8 J	11.4
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10 U	9.9 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Phenanthrene	NE	µg/L	10 U	10 U	10 U	34.3	5.8 J	10 U	4.3 J	2.5 J	10.0 U	8.4 J
Pyrene	NE	µg/L	10 U	10 U	10 U	9.9 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Field Parameters												
Dissolved Oxygen	NE	mg/L	2.11	2.11	0.92	--	0.26	0.25	0.13	0.18	0.73	2.8
Eh	NE	mV	415	415	366	--	337	0	77	-20	216	--
Oxidation-Reduction Potential	NE	mV	210	210	161	--	132	-205	-128	-225	11	-171.4
pH	NE	SU	6.17	6.17	5.91	--	7.63	7.83	7.98	7.99	8.79	9.02
Specific Conductivity	NE	µS/cm	204	204	200	--	1421	790	859	575	559	0.62
Temperature	NE	deg c	16	16	16	--	18	23	19	25.1	15	19
Turbidity	NE	NTU	16.8	16.8	6.9	--	9.8	9.9	4.2	2.87	3.7	1.77

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-2TZ	MW-2TZ	MW-2TZ	MW-2TZ	MW-2TZ	MW-2TZ	MW-2TZ
			Well Screen Interval (ft bls):	27 - 32	27 - 32	27 - 32	27 - 32	27 - 32	27 - 32	27 - 32
			Sample Collection Date:	02/17/2020	09/29/2020	09/29/2020	03/10/2021	10/13/2021	03/09/2022	10/04/2022
	SCDHEC MCL (R.61-58)	Units		(DUP)						
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	12.5 U	20 U	20 U	5.0 U	12.5 U	1.0 U	25.0 U
1,4-Dichlorobenzene	75	µg/L	12.5 U	20 U	20 U	5.0 U	12.5 U	1.0 U	25.0 U
Benzene	5	µg/L	**817**	**803**	**684**	**517**	**1110**	**19.0**	**994**
Ethylbenzene	700	µg/L	109	146	132	47.4	170	4.7	281
m,p-Xylenes	NE	µg/L	28	31.4 J	28.5 J	8.4 J	52.4	1.2 J	62.4
Naphthalene	25	µg/L	**1590**	**1950**	**2090**	**732**	**1950**	**53.6**	**3630**
O-Xylene	NE	µg/L	4.9 J	6.8 J	7.2 J	2.0 J	38.1	0.68 J	24.5 J
p-Isopropyltoluene	NE	µg/L	12.5 U	20 U	20 U	5.0 U	12.5 U	1.0 U	25.0 U
Styrene	100	µg/L	12.5 U	20 U	20 U	5.0 U	12.5 U	1.0 U	25.0 U
Toluene	1000	µg/L	12.5 U	20 U	20 U	5.0 U	30.0	1.0 U	12.3 J
Total Xylenes	10000	µg/L	28	20 U	20 U	10.4	90.6	1.9	86.9
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)									
1-Methylnaphthalene	NE	µg/L	180	222	237	78.1	118	2.3 J	391
2-Methylnaphthalene	NE	µg/L	224	187	202	48.4	120	10.0 U	522
Acenaphthene	NE	µg/L	94.9 J	126	145	36.1	50.2	10.0 U	180
Acenaphthylene	NE	µg/L	99 U	10 U	10 U	10.0 U	8.7 U	10.0 U	10.0 U
Anthracene	NE	µg/L	99 U	10 U	10 U	10.0 U	8.7 U	10.0 U	2.4 J
Benzo(A)Anthracene	NE	µg/L	99 U	10 U	10 U	10.0 U	8.7 U	10.0 U	10.0 U
Benzo(A)Pyrene	0.2	µg/L	99 U	10 U	10 U	0.10 U	0.10 U	0.10 U	1.0 U
Benzo(B)Fluoranthene	NE	µg/L	99 U	10 U	10 U	10.0 U	8.7 U	10.0 U	10.0 U
Benzo(G,H,I)Perylene	NE	µg/L	99 U	10 U	10 U	10.0 U	8.7 U	10.0 U	10.0 U
Benzo(K)Fluoranthene	NE	µg/L	99 U	10 U	10 U	10.0 U	8.7 U	10.0 U	10.0 U
Chrysene	NE	µg/L	99 U	10 U	10 U	10.0 U	8.7 U	10.0 U	10.0 U
Dibenzo(A,H)Anthracene	NE	µg/L	99 U	10 U	10 U	10.0 U	8.7 U	10.0 U	10.0 U
Dibenzofuran	NE	µg/L	99 U	5.2 J	5.7 J	10.0 U	2.2 J	10.0 U	10.6
Fluoranthene	NE	µg/L	99 U	10 U	10 U	10.0 U	8.7 U	10.0 U	10.0 U
Fluorene	NE	µg/L	99 U	20.2	22.3	5.4 J	7.7 J	10.0 U	37.4
Indeno(1,2,3-cd)pyrene	NE	µg/L	99 U	10 U	10 U	10.0 U	8.7 U	10.0 U	10.0 U
Phenanthrene	NE	µg/L	99 U	10.7	11.3	2.9 J	3.6 J	10.0 U	23.2
Pyrene	NE	µg/L	99 U	10 U	10 U	10.0 U	8.7 U	10.0 U	10.0 U
Field Parameters									
Dissolved Oxygen	NE	mg/L	0.3	0.4	0.4	0.24	0.35	2.69	2.3
Eh	NE	mV	378	49	49	154	60	227	--
Oxidation-Reduction Potential	NE	mV	173	-156	-156	-51	-145	22	-116
pH	NE	SU	6.84	6.7	6.7	6.69	6.84	7.5	6.78
Specific Conductivity	NE	µS/cm	468	590	590	571	495	435	0.51
Temperature	NE	deg c	18	20	20	19	23.4	15	19.1
Turbidity	NE	NTU	7.4	8.3	8.3	3.5	8.17	6.5	0.62

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-3	MW-3	MW-3	MW-3BR	MW-3BR	MW-3BR	MW-3BR	MW-3BR	MW-3BR	MW-3BR	MW-3BR
			Well Screen Interval (ft bls):	9 - 14	9 - 14	9 - 14	60 - 64	60 - 64	60 - 64	60 - 64	60 - 64	60 - 64	60 - 64	60 - 64
			Sample Collection Date:	09/09/2021	03/15/2022	10/03/2022	04/10/2019	02/17/2020	02/17/2020	09/24/2020	03/16/2021	09/09/2021	03/15/2022	10/03/2022
	SCDHEC MCL (R.61-58)	Units						(DUP)						
Volatile Organic Compounds (USEPA Method 8260)														
1,2-Dichlorobenzene	600	µg/L	1.0 U	1.0 U	1.0 U	10 U	20 U	10 U	10 U	2.5 U	5.0 U	4.0 U	4.0 U
1,4-Dichlorobenzene	75	µg/L	1.0 U	1.0 U	1.0 U	10 U	20 U	10 U	10 U	2.5 U	5.0 U	4.0 U	4.0 U
Benzene	5	µg/L	1.0 U	2.8	1.0 U	**620**	**576**	**595**	**423**	**281**	**241**	**168**	**181**
Ethylbenzene	700	µg/L	1.0 U	1.0 U	1.0 U	128	103	136	72.7	35.8	28.6	10.5	28.4
m,p-Xylenes	NE	µg/L	2.0 U	0.72 J	2.0 U	118	107	150	69	37.6	44.4	38.2	44.8
Naphthalene	25	µg/L	1.0 U	0.91 J	1.0 U	**2910**	**1770**	**1430**	**1290**	**293**	**708**	**474**	**763**
O-Xylene	NE	µg/L	1.0 U	0.50 J	1.0 U	61.9	59.5	83	41.7	23.0	29.8	23.7	25.6
p-Isopropyltoluene	NE	µg/L	1.0 U	1.0 U	1.0 U	10 U	20 U	10 U	10 U	2.5 U	5.0 U	4.0 U	4.0 U
Styrene	100	µg/L	1.0 U	1.0 U	1.0 U	59.1	48.3	69.8	38	11.3	15.5	6.4	13.5
Toluene	1000	µg/L	1.0 U	1.0 U	1.0 U	251	266	266	179	93.1	81.1	48.1	70.8
Total Xylenes	10000	µg/L	1.0 U	1.2	1.0 U	180	166	233	111	60.6	74.2	61.9	70.4
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)														
1-Methylnaphthalene	NE	µg/L	3.7 J	10.8	8.9 J	226	69.2 J	35.8 J	80.9	26.7	74.1	65.6	57.6
2-Methylnaphthalene	NE	µg/L	9.1 U	2.4 J	4.8 J	367	102	49.7 J	126	26.0	73.6	10.8 J	76.0
Acenaphthene	NE	µg/L	6.4 J	9.7	9.2 J	24.6	97.1 U	98 U	8.3 J	6.4 J	13.8	17.8	13.4
Acenaphthylene	NE	µg/L	9.1 U	9.1 U	10.0 U	167	53.9 J	28.1 J	48.4	16.2	45.2	44.8	35.0
Anthracene	NE	µg/L	9.1 U	9.1 U	10.0 U	2.9 J	97.1 U	98 U	10 U	10.0 U	9.1 U	2.7 J	8.7 U
Benzo(A)Anthracene	NE	µg/L	9.1 U	9.1 U	10.0 U	10 U	97.1 U	98 U	10 U	10.0 U	9.1 U	11.1 U	8.7 U
Benzo(A)Pyrene	0.2	µg/L	0.10 U	0.10 U	0.10 U	10 U	97.1 U	98 U	10 U	0.10 U	0.10 U	1.0 U	1.0 U
Benzo(B)Fluoranthene	NE	µg/L	9.1 U	9.1 U	10.0 U	10 U	97.1 U	98 U	10 U	10.0 U	9.1 U	11.1 U	8.7 U
Benzo(G,H,I)Perylene	NE	µg/L	9.1 U	9.1 U	10.0 U	10 U	97.1 U	98 U	10 U	10.0 U	9.1 U	11.1 U	8.7 U
Benzo(K)Fluoranthene	NE	µg/L	9.1 U	9.1 U	10.0 U	10 U	97.1 U	98 U	10 U	10.0 U	9.1 U	11.1 U	8.7 U
Chrysene	NE	µg/L	9.1 U	9.1 U	10.0 U	10 U	97.1 U	98 U	10 U	10.0 U	9.1 U	11.1 U	8.7 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.1 U	9.1 U	10.0 U	10 U	97.1 U	98 U	10 U	10.0 U	9.1 U	11.1 U	8.7 U
Dibenzofuran	NE	µg/L	9.1 U	9.1 U	10.0 U	7.5 J	97.1 U	98 U	2.5 J	10.0 U	2.6 J	4.9 J	2.3 J
Fluoranthene	NE	µg/L	9.1 U	9.1 U	10.0 U	10 U	97.1 U	98 U	10 U	10.0 U	9.1 U	11.1 U	8.7 U
Fluorene	NE	µg/L	2.3 J	3.9 J	3.2 J	24.7	97.1 U	98 U	8.3 J	3.4 J	8.6 J	10.4 J	7.5 J
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.1 U	9.1 U	10.0 U	10 U	97.1 U	98 U	10 U	10.0 U	9.1 U	11.1 U	8.7 U
Phenanthrene	NE	µg/L	3.7 J	4.6 J	4.5 J	17	97.1 U	98 U	6.2 J	10.0 U	4.9 J	7.5 J	5.2 J
Pyrene	NE	µg/L	9.1 U	9.1 U	10.0 U	10 U	97.1 U	98 U	10 U	10.0 U	9.1 U	11.1 U	8.7 U
Field Parameters														
Dissolved Oxygen	NE	mg/L	2.41	0.63	0.15	2.76	0.32	0.32	0.2	0.73	0.56	0.28	3.05
Eh	NE	mV	84	47	--	213	277	277	153	227	120	29	--
Oxidation-Reduction Potential	NE	mV	-121	-158	14.4	8	72	72	-52	22	-85	-176	-1.6
pH	NE	SU	6.26	6.71	6.58	11.67	10.15	10.15	10.08	9.94	9.69	9.17	9.64
Specific Conductivity	NE	µS/cm	841	885	0.718	1249	322	322	358	342	353	333	0.34
Temperature	NE	deg c	22	13.4	20.8	20	17	17	18	8	23	15.5	17.5
Turbidity	NE	NTU	1.7	7.3	3.68	7.3	9	9	9.4	5.1	3	3.2	4.01

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-3BRL	MW-3BRL	MW-3BRL	MW-3BRL	MW-3BRL	MW-3BRL	MW-3BRL
			Well Screen Interval (ft bls):	99 - 104	99 - 104	99 - 104	99 - 104	99 - 104	99 - 104	99 - 104
			Sample Collection Date:	02/18/2020	09/24/2020	03/16/2021	09/09/2021	09/09/2021	03/15/2022	10/03/2022
	SCDHEC MCL (R.61-58)	Units						(DUP)		
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	10 U	12.5 U	12.5 U	12.5 U	10.0 U	20.0 U	20.0 U	
1,4-Dichlorobenzene	75	µg/L	10 U	12.5 U	12.5 U	12.5 U	10.0 U	20.0 U	20.0 U	
Benzene	5	µg/L	**588**	**533**	**523**	**620**	**462**	**564**	**532**	
Ethylbenzene	700	µg/L	146	108	104	116	52.5	144	143	
m,p-Xylenes	NE	µg/L	110	85.8	66.3	90.0	36.7	122	109	
Naphthalene	25	µg/L	**2430**	**2390**	**2060**	**2340**	**1050**	**3420**	**3400**	
O-Xylene	NE	µg/L	64.6	52.2	40.8	53.6	25.5	67.2	60.1	
p-Isopropyltoluene	NE	µg/L	10 U	12.5 U	12.5 U	12.5 U	10.0 U	20.0 U	20.0 U	
Styrene	100	µg/L	38.5	36.5	17.6	37.1	19.6	45.2	42.2	
Toluene	1000	µg/L	124	112	68.2	135	77.6	145	149	
Total Xylenes	10000	µg/L	175	138	107	144	62.2	189	169	
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	126	181	237	142	146	138	267	
2-Methylnaphthalene	NE	µg/L	193	283	358	221	200	219	314	
Acenaphthene	NE	µg/L	29.4 J	38.2	56.8	24.3	22.0	24.8	50.1	
Acenaphthylene	NE	µg/L	80.3 J	103	122	81.7	78.4	80.6	156	
Anthracene	NE	µg/L	98 U	10 U	3.6 J	8.7 U	10.0 U	2.3 J	5.2 J	
Benzo(A)Anthracene	NE	µg/L	98 U	10 U	10.0 U	8.7 U	10.0 U	9.1 U	9.1 U	
Benzo(A)Pyrene	0.2	µg/L	98 U	2 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	
Benzo(B)Fluoranthene	NE	µg/L	98 U	10 U	10.0 U	8.7 U	10.0 U	9.1 U	9.1 U	
Benzo(G,H,I)Perylene	NE	µg/L	98 U	10 U	10.0 U	8.7 U	10.0 U	9.1 U	9.1 U	
Benzo(K)Fluoranthene	NE	µg/L	98 U	10 U	10.0 U	8.7 U	10.0 U	9.1 U	9.1 U	
Chrysene	NE	µg/L	98 U	10 U	10.0 U	8.7 U	10.0 U	9.1 U	9.1 U	
Dibenzo(A,H)Anthracene	NE	µg/L	98 U	10 U	10.0 U	8.7 U	10.0 U	9.1 U	9.1 U	
Dibenzofuran	NE	µg/L	98 U	6.9 J	9.1 J	4.6 J	4.3 J	5.3 J	12.8	
Fluoranthene	NE	µg/L	98 U	10 U	10.0 U	8.7 U	10.0 U	9.1 U	9.1 U	
Fluorene	NE	µg/L	20.2 J	21.5	28.8	16.2	14.6	16.8	42.5	
Indeno(1,2,3-cd)pyrene	NE	µg/L	98 U	10 U	10.0 U	8.7 U	10.0 U	9.1 U	9.1 U	
Phenanthrene	NE	µg/L	21.5 J	16	22.3	14.4	14.7	15.6	41.0	
Pyrene	NE	µg/L	98 U	10 U	10.0 U	8.7 U	10.0 U	9.1 U	2.5 J	
Field Parameters										
Dissolved Oxygen	NE	mg/L	0.42	0.37	0.47	0.53	--	0.24	2.07	
Eh	NE	mV	173	6	221	-54	--	-43		
Oxidation-Reduction Potential	NE	mV	-32	-199	16	-259	--	-248	-267.1	
pH	NE	SU	7.26	7.64	8.01	7.92	--	8.07	7.86	
Specific Conductivity	NE	µS/cm	1610	2654	2674	2002	--	1740	1.17	
Temperature	NE	deg c	14	19	12	22	--	16.7	16.7	
Turbidity	NE	NTU	8.9	2.4	3	6.9	--	3.75	8.06	

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Well Screen Interval (ft bls):	4 - 14	4 - 14	4 - 14	4 - 14	4 - 14	4 - 14	4 - 14
			Sample Collection Date:	03/21/2019	02/18/2020	09/24/2020	03/15/2021	10/14/2021	03/10/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units								
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Acenaphthene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Acenaphthylene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Anthracene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzo(A)Pyrene	0.2	µg/L	10 U	10 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Chrysene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibenzofuran	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Fluoranthene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Fluorene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Phenanthrene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Pyrene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Field Parameters										
Dissolved Oxygen	NE	mg/L	0.61	0.28	0.3	0.35	0.99	1.06	0.47
Eh	NE	mV	275	283	153	203	464	169	--
Oxidation-Reduction Potential	NE	mV	70	78	-52	-2	259	-36	21.8
pH	NE	SU	6.17	5.96	6	6.17	4.49	5.14	5.66
Specific Conductivity	NE	µS/cm	224	229	318	293	33	77	0.17
Temperature	NE	deg c	14	16	22	15	25	13	21.2
Turbidity	NE	NTU	9.68	0.9	1.3	0.7	6.7	7.8	4.75

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-7R	MW-7R	MW-7R	MW-7R	MW-7R	MW-7R	MW-7R
			Well Screen Interval (ft bls):	5 - 15	5 - 15	5 - 15	5 - 15	5 - 15	5 - 15	5 - 15
			Sample Collection Date:	03/22/2019	02/13/2020	09/22/2020	03/11/2021	09/07/2021	03/08/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units								
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	**25.5**	**22**	**7.7**	**12.4**	**30.2**	**36.1**	3.9
Ethylbenzene	700	µg/L	0.75 J	4.7	0.45 J	1.0 U	1.4	23.5	1.0 U
m,p-Xylenes	NE	µg/L	1.7 J	2.8	1.6 J	1.1 J	3.1	10.6	2.0 U
Naphthalene	25	µg/L	**33.8**	**51.7**	7.9	**31.0**	**95.6**	**116**	14.0
O-Xylene	NE	µg/L	0.25 J	0.33 J	0.39 J	1.0 U	1.0 U	1.2	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	2.8	1 U	1.1	3.1	11.8	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	6.5 J	4 J	3.5 J	3.4 J	8.3 U	5.2 J	8.3 U
2-Methylnaphthalene	NE	µg/L	6.3 J	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Acenaphthene	NE	µg/L	2.3 J	9.9 U	10 U	10.0 U	8.3 U	2.1 J	8.3 U
Acenaphthylene	NE	µg/L	9.9 U	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Anthracene	NE	µg/L	9.9 U	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	9.9 U	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	9.9 U	9.9 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.9 U	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	9.9 U	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	9.9 U	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Chrysene	NE	µg/L	9.9 U	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.9 U	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Dibenzofuran	NE	µg/L	9.9 U	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Fluoranthene	NE	µg/L	9.9 U	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Fluorene	NE	µg/L	9.9 U	9.9 U	10 U	10.0 U	8.3 U	2.1 J	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.9 U	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Phenanthrene	NE	µg/L	9.9 U	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Pyrene	NE	µg/L	9.9 U	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Field Parameters										
Dissolved Oxygen	NE	mg/L	0.31	0.15	0.13	0.1	0.13	0.15	0.43
Eh	NE	mV	262	462	236	215	165	195	--
Oxidation-Reduction Potential	NE	mV	57	257	31	10	-40	-10	201.4
pH	NE	SU	6.4	5.93	6.19	6.07	5.15	6.63	6.2
Specific Conductivity	NE	µS/cm	202	170	189	238	155	272	118.2
Temperature	NE	deg c	13	16	21	19	22	15	19.1
Turbidity	NE	NTU	101	6.16	9.3	9.6	7.9	8.6	9.92

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-9R	MW-9R	MW-9R	MW-9R	MW-9R	MW-9R	MW-9R
			Well Screen Interval (ft bls):	21 - 26	21 - 26	21 - 26	21 - 26	21 - 26	21 - 26	21 - 26
			Sample Collection Date:	03/22/2019	02/13/2020	09/22/2020	03/11/2021	09/07/2021	03/08/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units								
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
2-Methylnaphthalene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Acenaphthene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Acenaphthylene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Anthracene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	9.9 U	9.7 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Chrysene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Dibenzofuran	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Fluoranthene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Fluorene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Phenanthrene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Pyrene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Field Parameters										
Dissolved Oxygen	NE	mg/L	1.2	0.78	0.91	0.71	0.49	0.63	0.62
Eh	NE	mV	381	481	291	285	168	267	--
Oxidation-Reduction Potential	NE	mV	176	276	86	80	-37	62	228.5
pH	NE	SU	5.74	5.38	5.54	5.07	4.77	5.62	5.09
Specific Conductivity	NE	µS/cm	130	129	128	130	126	124	136.3
Temperature	NE	deg c	14	17	20	18	23	16	18.2
Turbidity	NE	NTU	9.4	1	4.1	1.1	0.7	0.6	0.12

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-13R	MW-13R	MW-13R	MW-13R	MW-13R	MW-13R	MW-13R	MW-13R
			Well Screen Interval (ft bls):	10 - 20	10 - 20	10 - 20	10 - 20	10 - 20	10 - 20	10 - 20	10 - 20
			Sample Collection Date:	03/21/2019	03/21/2019	02/10/2020	09/22/2020	03/11/2021	09/08/2021	03/08/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units		(DUP)							
Volatile Organic Compounds (USEPA Method 8260)											
1,2-Dichlorobenzene	600	µg/L		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L		2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)											
1-Methylnaphthalene	NE	µg/L		10 U	10 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
2-Methylnaphthalene	NE	µg/L		10 U	10 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Acenaphthene	NE	µg/L		10 U	10 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Acenaphthylene	NE	µg/L		10 U	10 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Anthracene	NE	µg/L		10 U	10 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Benzo(A)Anthracene	NE	µg/L		10 U	10 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L		10 U	10 U	9.8 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L		10 U	10 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L		10 U	10 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L		10 U	10 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Chrysene	NE	µg/L		10 U	10 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L		10 U	10 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Dibenzofuran	NE	µg/L		10 U	10 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Fluoranthene	NE	µg/L		10 U	10 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Fluorene	NE	µg/L		10 U	10 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L		10 U	10 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Phenanthrene	NE	µg/L		10 U	10 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Pyrene	NE	µg/L		10 U	10 U	9.8 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Field Parameters											
Dissolved Oxygen	NE	mg/L		0.75	0.75	0.66	1.67	0.42	2.43	0.55	0.85
Eh	NE	mV		468	468	498	398	293	233	288	--
Oxidation-Reduction Potential	NE	mV		263	263	293	193	88	28	83	63.7
pH	NE	SU		4.93	4.93	4.68	4.7	4.36	4.51	4.86	4.74
Specific Conductivity	NE	µS/cm		116	116	118	109	124	127	123	0.119
Temperature	NE	deg c		16	16	16	20	18	21	17	19.6
Turbidity	NE	NTU		1.01	1.01	0.4	9.1	0.8	4	0.8	0.35

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
			Well Screen Interval (ft bls):	50 - 55	50 - 55	50 - 55	50 - 55	50 - 55	50 - 55	50 - 55
			Sample Collection Date:	03/22/2019	02/12/2020	09/23/2020	03/11/2021	09/08/2021	03/08/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units								
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
2-Methylnaphthalene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Acenaphthene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Acenaphthylene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Anthracene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	9.8 U	9.8 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Chrysene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Dibenzofuran	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Fluoranthene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Fluorene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Phenanthrene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Pyrene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Field Parameters										
Dissolved Oxygen	NE	mg/L	4.6	4.44	3.83	4.22	3.84	3.76	3.87
Eh	NE	mV	426	437	407	264	252	272	--
Oxidation-Reduction Potential	NE	mV	221	232	202	59	47	67	197.2
pH	NE	SU	5.9	5.53	5.4	5.67	5.44	5.77	6.03
Specific Conductivity	NE	µS/cm	123	113	129	125	135	123	108.8
Temperature	NE	deg c	14	15	19	18	21	16	18.1
Turbidity	NE	NTU	22.2	6.9	1.67	2.6	0.8	2.1	2.13

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16
			Well Screen Interval (ft bls):	5 - 15	5 - 15	5 - 15	5 - 15	5 - 15	5 - 15	5 - 15
			Sample Collection Date:	03/22/2019	02/12/2020	09/23/2020	03/11/2021	09/08/2021	03/08/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units								
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	10.0 U	10.0 U	8.3 U
2-Methylnaphthalene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	10.0 U	10.0 U	8.3 U
Acenaphthene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	10.0 U	10.0 U	8.3 U
Acenaphthylene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	10.0 U	10.0 U	8.3 U
Anthracene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	10.0 U	10.0 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	10.0 U	10.0 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	9.9 U	9.7 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	10.0 U	10.0 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	10.0 U	10.0 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	10.0 U	10.0 U	8.3 U
Chrysene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	10.0 U	10.0 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	10.0 U	10.0 U	8.3 U
Dibenzofuran	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	10.0 U	10.0 U	8.3 U
Fluoranthene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	10.0 U	10.0 U	8.3 U
Fluorene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	10.0 U	10.0 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	10.0 U	10.0 U	8.3 U
Phenanthrene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	10.0 U	10.0 U	8.3 U
Pyrene	NE	µg/L	9.9 U	9.7 U	10 U	10.0 U	10.0 U	10.0 U	8.3 U
Field Parameters										
Dissolved Oxygen	NE	mg/L	0.5	0.32	0.19	0.39	2.78	0.22	0.19
Eh	NE	mV	259	451	149	255	145	263	--
Oxidation-Reduction Potential	NE	mV	54	246	-56	50	-60	58	-46
pH	NE	SU	6.55	6.4	6.41	6.53	6.3	6.47	6.37
Specific Conductivity	NE	µS/cm	1300	1581	1228	950	803	874	928
Temperature	NE	deg c	12	14	22	17	23	15	18.8
Turbidity	NE	NTU	38.7	9.9	8.83	5	9.6	9.7	6.55

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-18	MW-18	MW-18	MW-18	MW-18	MW-20	MW-20	MW-20
			Well Screen Interval (ft bls):	10 - 24	10 - 24	10 - 24	10 - 24	10 - 24	20 - 25	20 - 25	20 - 25
			Sample Collection Date:	03/16/2021	10/14/2021	03/09/2022	10/04/2022	10/04/2022	09/09/2021	03/15/2022	10/03/2022
	SCDHEC MCL (R.61-58)	Units						(DUP)			
Volatile Organic Compounds (USEPA Method 8260)											
1,2-Dichlorobenzene	600	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	25.0 U	25.0 U	25.0 U
1,4-Dichlorobenzene	75	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	25.0 U	25.0 U	25.0 U
Benzene	5	µg/L	1.0 U	1.5	1.0 U	1.0 U	1.0 U	**165**	**167**	**192**
Ethylbenzene	700	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	162	164	238
m,p-Xylenes	NE	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	80.5	143	117
Naphthalene	25	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**3050**	**4010**	**4640**
O-Xylene	NE	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	43.8	74.3	56.7
p-Isopropyltoluene	NE	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	25.0 U	25.0 U	25.0 U
Styrene	100	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	25.0 U	25.0 U	25.0 U
Toluene	1000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	18.0 J	107	21.4 J
Total Xylenes	10000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	124	217	174
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)											
1-Methylnaphthalene	NE	µg/L	10.0 U	10.0 U	8.3 U	8.7 U	8.7 U	168	296	395
2-Methylnaphthalene	NE	µg/L	10.0 U	10.0 U	8.3 U	8.7 U	8.7 U	265	447	651
Acenaphthene	NE	µg/L	10.0 U	10.0 U	8.3 U	8.7 U	2.9 J	66.6	152	174
Acenaphthylene	NE	µg/L	10.0 U	10.0 U	8.3 U	8.7 U	8.7 U	10.0 U	9.1 U	8.7 U
Anthracene	NE	µg/L	10.0 U	10.0 U	8.3 U	8.7 U	8.7 U	10.0 U	5.3 J	6.1 J
Benzo(A)Anthracene	NE	µg/L	10.0 U	10.0 U	8.3 U	8.7 U	8.7 U	10.0 U	9.1 U	8.7 U
Benzo(A)Pyrene	0.2	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
Benzo(B)Fluoranthene	NE	µg/L	10.0 U	10.0 U	8.3 U	8.7 U	8.7 U	10.0 U	9.1 U	8.7 U
Benzo(G,H,I)Perylene	NE	µg/L	10.0 U	10.0 U	8.3 U	8.7 U	8.7 U	10.0 U	9.1 U	8.7 U
Benzo(K)Fluoranthene	NE	µg/L	10.0 U	10.0 U	8.3 U	8.7 U	8.7 U	10.0 U	9.1 U	8.7 U
Chrysene	NE	µg/L	10.0 U	10.0 U	8.3 U	8.7 U	8.7 U	10.0 U	9.1 U	8.7 U
Dibenzo(A,H)Anthracene	NE	µg/L	10.0 U	10.0 U	8.3 U	8.7 U	8.7 U	10.0 U	9.1 U	8.7 U
Dibenzofuran	NE	µg/L	10.0 U	10.0 U	8.3 U	8.7 U	8.7 U	4.9 J	13.3	14.0
Fluoranthene	NE	µg/L	10.0 U	10.0 U	8.3 U	8.7 U	8.7 U	10.0 U	9.1 U	8.7 U
Fluorene	NE	µg/L	10.0 U	10.0 U	8.3 U	8.7 U	8.7 U	16.3	46.6	46.9
Indeno(1,2,3-cd)pyrene	NE	µg/L	10.0 U	10.0 U	8.3 U	8.7 U	8.7 U	10.0 U	9.1 U	8.7 U
Phenanthrene	NE	µg/L	10.0 U	10.0 U	8.3 U	8.7 U	8.7 U	13.5	37.9	44.6
Pyrene	NE	µg/L	10.0 U	10.0 U	8.3 U	8.7 U	8.7 U	10.0 U	2.3 J	2.2 J
Field Parameters											
Dissolved Oxygen	NE	mg/L	0.23	1.27	0.42	3.94	3.94	1.91	0.26	0.16
Eh	NE	mV	192	180	211	--	--	98	60	--
Oxidation-Reduction Potential	NE	mV	-13	-25	6	-45.9	-45.9	-107	-145	46
pH	NE	SU	6.19	6.08	6.16	6.41	6.41	5.94	6.3	6.28
Specific Conductivity	NE	µS/cm	288	370	319	0.3	0.3	236	232	0.202
Temperature	NE	deg c	13	21.1	15	17.4	17.4	24	15.3	18.8
Turbidity	NE	NTU	2.9	1.7	9.9	3.52	3.52	3.6	2.19	6.75

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte											
	Well Location ID:		MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21
	Well Screen Interval (ft bls):		5 - 18	5 - 18	5 - 18	5 - 18	5 - 18	5 - 18	5 - 18	5 - 18	5 - 18
	Sample Collection Date:		03/20/2019	02/18/2020	02/18/2020	09/28/2020	09/28/2020	03/17/2021	09/09/2021	03/15/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units		(DUP)		(DUP)					
Volatile Organic Compounds (USEPA Method 8260)											
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	**30.4**	**6.7**	4.8	**14.4**	**6.4**	0.62 J	1.0 U	2.0	0.38 J
Ethylbenzene	700	µg/L	4.8	1.2	0.92 J	2.7	1.1	0.40 J	0.56 J	1.0 U	0.33 J
m,p-Xylenes	NE	µg/L	2.8	0.87 J	2 U	3.3	1.7 J	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	**57.5**	10.3	5.6	**28.8**	21	1.2	14.3	1.5	3.2
O-Xylene	NE	µg/L	7.2	1.5	0.98 J	3.7	1.7	0.41 J	1.0 U	1.8	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	8.9	2.3	1.1	5.3	3.3	1.0 U	0.77 J	1.0 U	1.0 U
Total Xylenes	10000	µg/L	9.9	1.5	1 U	6.9	1.7	0.41 J	1.0 U	1.8	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)											
1-Methylnaphthalene	NE	µg/L	21	1.7 J	2.2 J	10 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
2-Methylnaphthalene	NE	µg/L	9.8 U	9.6 U	9.8 U	10 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Acenaphthene	NE	µg/L	27.8	3.2 J	4.6 J	10 U	2.2 J	10.0 U	8.7 U	8.5 J	8.3 U
Acenaphthylene	NE	µg/L	1.8 J	9.6 U	9.8 U	10 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Anthracene	NE	µg/L	4.1 J	9.6 U	9.8 U	10 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	9.8 U	9.6 U	9.8 U	10 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	9.8 U	9.6 U	9.8 U	**0.87**	**16.3**	0.10 U	0.10 U	0.060 J	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.8 U	9.6 U	9.8 U	10 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	9.8 U	9.6 U	9.8 U	10 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	9.8 U	9.6 U	9.8 U	10 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Chrysene	NE	µg/L	9.8 U	9.6 U	9.8 U	10 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.8 U	9.6 U	9.8 U	10 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Dibenzofuran	NE	µg/L	11.3	9.6 U	2 J	10 U	10 U	10.0 U	8.7 U	2.5 J	8.3 U
Fluoranthene	NE	µg/L	3.9 J	9.6 U	9.8 U	10 U	10 U	4.0 J	8.7 U	9.1 U	8.3 U
Fluorene	NE	µg/L	12.8	1.8 J	3 J	10 U	10 U	10.0 U	8.7 U	2.5 J	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.8 U	9.6 U	9.8 U	10 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Phenanthrene	NE	µg/L	2.2 J	9.6 U	2 J	10 U	10 U	2.2 J	8.7 U	9.1 U	8.3 U
Pyrene	NE	µg/L	2.9 J	9.6 U	9.8 U	10 U	10 U	3.6 J	8.7 U	9.1 U	8.3 U
Field Parameters											
Dissolved Oxygen	NE	mg/L	0.75	0.28	0.28	0.51	0.51	0.56	0.21	0.29	0.22
Eh	NE	mV	136	254	254	73	73	226	128	234	--
Oxidation-Reduction Potential	NE	mV	-69	49	49	-132	-132	21	-77	29	-85.3
pH	NE	SU	6.85	6.78	6.78	6.66	6.66	7.05	6.54	6.89	6.86
Specific Conductivity	NE	µS/cm	432	515	515	574	574	433	534	563	0.64
Temperature	NE	deg c	12	14	14	21	21	11	20	14	18.9
Turbidity	NE	NTU	3.11	4.2	4.2	7.2	7.2	0.5	1.6	2.7	2.01

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-21BR	MW-21BR	MW-21BR	MW-21BR	MW-21BR	MW-21BR
	Well Screen Interval (ft bls):		37 - 42	37 - 42	37 - 42	37 - 42	37 - 42	37 - 42
	Sample Collection Date:		02/18/2020	09/28/2020	03/17/2021	09/09/2021	03/15/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	5 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	5 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	3.6 J	1.5	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	53.2	6	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	43	1.3 J	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	**752**	**53.3**	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	23.2	2.3	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	5 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	7	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	43.5	1.1	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	66.2	2.3	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	20.1	3 J	10.0 U	8.3 U	9.1 U	9.1 U
2-Methylnaphthalene	NE	µg/L	17.5	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Acenaphthene	NE	µg/L	8.4 J	7.1 J	10.0 U	8.3 U	1.9 J	9.1 U
Acenaphthylene	NE	µg/L	7.1 J	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Anthracene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	9.9 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Chrysene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Dibenzofuran	NE	µg/L	2.5 J	2.9 J	10.0 U	8.3 U	9.1 U	9.1 U
Fluoranthene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Fluorene	NE	µg/L	3.7 J	3.1 J	10.0 U	8.3 U	9.1 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Phenanthrene	NE	µg/L	4.1 J	2.5 J	10.0 U	8.3 U	9.1 U	9.1 U
Pyrene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.26	0.44	0.47	0.4	0.87	0.52
Eh	NE	mV	445	62	214	111	213	--
Oxidation-Reduction Potential	NE	mV	240	-143	9	-94	8	242.8
pH	NE	SU	6.91	6.77	6.69	6.65	6.6	7.39
Specific Conductivity	NE	µS/cm	613	553	509	544	509	0.44
Temperature	NE	deg c	15	19	13	22	14	15.3
Turbidity	NE	NTU	1.6	5.6	3.2	2.2	2.2	2.97

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-21BRL	MW-21BRL	MW-21BRL	MW-21BRL	MW-21BRL	MW-21BRL	MW-21BRL
	Well Screen Interval (ft bls):		60 - 65	60 - 65	60 - 65	60 - 65	60 - 65	60 - 65	60 - 65
	Sample Collection Date:		02/18/2020	09/28/2020	03/17/2021	03/17/2021	09/09/2021	03/15/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units			(DUP)				
Volatile Organic Compounds (USEPA Method 8260)									
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	5.0 U	5.0 U	5.0 U	10.0 U	12.5 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	5.0 U	5.0 U	5.0 U	10.0 U	12.5 U
Benzene	5	µg/L	1 U	4	**9.6**	**9.5**	**16.5**	**22.2**	**31.7**
Ethylbenzene	700	µg/L	2.1	5.5	17.8	14.3	20.1	21.6	47.4
m,p-Xylenes	NE	µg/L	6.6	18.5	55.6	40.4	62.5	121	186
Naphthalene	25	µg/L	**105**	**172**	**675**	**451**	**727**	**1010**	**1740**
O-Xylene	NE	µg/L	2.7	9.1	23.3	17.5	28.5	54.0	78.9
p-Isopropyltoluene	NE	µg/L	1 U	1 U	5.0 U	5.0 U	5.0 U	4.5 J	12.5 U
Styrene	100	µg/L	6	22.5	58.0	47.3	72.5	94.7	**164**
Toluene	1000	µg/L	5.3	36.3	97.7	86.1	133	200	321
Total Xylenes	10000	µg/L	9.3	27.6	78.9	57.9	91.0	175	265
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)									
1-Methylnaphthalene	NE	µg/L	3.1 J	16.5	12.3	18.2	36.8	27.4	32.6
2-Methylnaphthalene	NE	µg/L	5.5 J	29.5	21.9	32.3	69.5	29.0	38.6
Acenaphthene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	2.1 J	2.1 J
Acenaphthylene	NE	µg/L	2.5 J	10.1	8.1 J	12.4	27.1	30.0	31.4
Anthracene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	8.7 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	8.7 U
Benzo(A)Pyrene	0.2	µg/L	10 U	0.1 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	8.7 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	8.7 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	8.7 U
Chrysene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	8.7 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	8.7 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	8.7 U
Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	8.7 U
Fluorene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	3.4 J	4.2 J	4.0 J
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	8.7 U
Phenanthrene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	2.1 J	9.1 U	8.7 U
Pyrene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	8.7 U
Field Parameters									
Dissolved Oxygen	NE	mg/L	0.21	0.33	--	0.39	0.24	0.51	0.5
Eh	NE	mV	325	38	--	231	60	254	--
Oxidation-Reduction Potential	NE	mV	120	-167	--	26	-145	49	-176.1
pH	NE	SU	9.05	9.2	--	9.11	8.64	8.73	9.26
Specific Conductivity	NE	µS/cm	235	232	--	216	226	235	0.24
Temperature	NE	deg c	15	20	--	11	20	13	16.4
Turbidity	NE	NTU	9.43	9.8	--	10.3	3.5	3.7	1.81

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22
	Well Screen Interval (ft bls):		25 - 35	25 - 35	25 - 35	25 - 35	25 - 35	25 - 35	25 - 35
	Sample Collection Date:		03/21/2019	02/18/2020	09/24/2020	03/15/2021	10/14/2021	03/10/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units							
Volatile Organic Compounds (USEPA Method 8260)									
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	0.65 J	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)									
1-Methylnaphthalene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
2-Methylnaphthalene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Acenaphthene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Acenaphthylene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Anthracene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Benzo(A)Anthracene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Benzo(A)Pyrene	0.2	µg/L	10 U	9.6 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Chrysene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Dibenzofuran	NE	µg/L	10 U	9.6 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Fluoranthene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Fluorene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Phenanthrene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Pyrene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	9.1 U	10.0 U	10.0 U
Field Parameters									
Dissolved Oxygen	NE	mg/L	1.96	0.99	0.98	1.6	1.21	1.74	1.41
Eh	NE	mV	362	401	402	236	348	257	--
Oxidation-Reduction Potential	NE	mV	157	196	197	31	143	52	94.2
pH	NE	SU	5.87	5.58	5.58	5.69	5.38	5.63	5.7
Specific Conductivity	NE	µS/cm	197	161	184	177	178	184	0.177
Temperature	NE	deg c	16	16	20	16	23	12	20.3
Turbidity	NE	NTU	21.7	7.7	5.2	7.3	5	2.7	1.26

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-25R	MW-25R	MW-25R	MW-25R	MW-25R	MW-25R	MW-25R
			Well Screen Interval (ft bls):	2 - 17	2 - 17	2 - 17	2 - 17	2 - 17	2 - 17	2 - 17
			Sample Collection Date:	03/21/2019	02/13/2020	09/28/2020	03/15/2021	10/14/2021	03/15/2022	10/04/2022
	SCDHEC MCL (R.61-58)	Units								
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	0.67 J
O-Xylene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Acenaphthene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Acenaphthylene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Anthracene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	10 U	10 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Chrysene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Dibenzofuran	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Fluoranthene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Fluorene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Phenanthrene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Pyrene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Field Parameters										
Dissolved Oxygen	NE	mg/L	0.46	0.23	0.19	0.11	1.24	0.22	2.94
Eh	NE	mV	285	278	202	212	220	255	--
Oxidation-Reduction Potential	NE	mV	80	73	-3	7	15	50	-109.2
pH	NE	SU	6.12	5.92	5.77	5.86	5.82	5.92	6.87
Specific Conductivity	NE	µS/cm	191	175	187	193	186	189	0.25
Temperature	NE	deg c	15	19	24	17	24.6	18	23.5
Turbidity	NE	NTU	18.9	8.4	14.7	9	0.53	9.5	9

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-26	MW-26	MW-26	MW-26	MW-26	MW-26	MW-26
			Well Screen Interval (ft bls):	45 - 55	45 - 55	45 - 55	45 - 55	45 - 55	45 - 55	45 - 55
			Sample Collection Date:	03/21/2019	02/10/2020	09/22/2020	03/11/2021	09/08/2021	03/08/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units								
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	10 U	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Acenaphthene	NE	µg/L	10 U	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Acenaphthylene	NE	µg/L	10 U	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Anthracene	NE	µg/L	10 U	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	10 U	10 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Chrysene	NE	µg/L	10 U	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Dibenzofuran	NE	µg/L	10 U	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Fluoranthene	NE	µg/L	10 U	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Fluorene	NE	µg/L	10 U	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Phenanthrene	NE	µg/L	10 U	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Pyrene	NE	µg/L	10 U	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Field Parameters										
Dissolved Oxygen	NE	mg/L	1.4	1.61	1.67	0.83	1.75	0.38	2.65
Eh	NE	mV	533	458	348	193	198	216	--
Oxidation-Reduction Potential	NE	mV	328	253	143	-12	-7	11	150.8
pH	NE	SU	7.48	6	6.23	11.79	6.72	12.13	6.28
Specific Conductivity	NE	µS/cm	325	119	149	715	257	2728	130.4
Temperature	NE	deg c	16	16	19	16	21	15	19.3
Turbidity	NE	NTU	6.09	1.2	4.1	1.3	0.6	1.1	2.78

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27
			Well Screen Interval (ft bls):	25 - 35	25 - 35	25 - 35	25 - 35	25 - 35	25 - 35	25 - 35	25 - 35
			Sample Collection Date:	03/21/2019	02/10/2020	09/22/2020	03/11/2021	09/08/2021	03/08/2022	03/08/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units							(DUP)		
Volatile Organic Compounds (USEPA Method 8260)											
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)											
1-Methylnaphthalene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U
2-Methylnaphthalene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U
Acenaphthene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U
Acenaphthylene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U
Anthracene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	10 U	9.9 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U
Chrysene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U
Dibenzofuran	NE	µg/L	10 U	9.9 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U
Fluoranthene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U
Fluorene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U
Phenanthrene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U
Pyrene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U
Field Parameters											
Dissolved Oxygen	NE	mg/L	0.61	0.44	2.62	0.73	2.99	--	0.84	0.69
Eh	NE	mV	471	478	374	279	231	--	266	--
Oxidation-Reduction Potential	NE	mV	266	273	169	74	26	--	61	199.1
pH	NE	SU	5.33	5.01	5.18	4.76	4.77	--	5.31	5.29
Specific Conductivity	NE	µS/cm	59	62	63	65	73	--	71	0.07
Temperature	NE	deg c	17	16	19	17	20	--	17	18.5
Turbidity	NE	NTU	9.99	6.3	7.5	3.6	3	--	1.2	1.38

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-28	MW-28	MW-28	MW-28	MW-28	MW-28	MW-28
			Well Screen Interval (ft bls):	35 - 45	35 - 45	35 - 45	35 - 45	35 - 45	35 - 45	35 - 45
			Sample Collection Date:	03/22/2019	02/13/2020	09/22/2020	03/11/2021	09/07/2021	03/08/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units								
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
2-Methylnaphthalene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Acenaphthene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Acenaphthylene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Anthracene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	9.8 U	9.8 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Chrysene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Dibenzofuran	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Fluoranthene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Fluorene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Phenanthrene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Pyrene	NE	µg/L	9.8 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Field Parameters										
Dissolved Oxygen	NE	mg/L	1.9	0.87	0.71	0.9	0.31	1.72	0.17
Eh	NE	mV	424	465	283	245	147	261	--
Oxidation-Reduction Potential	NE	mV	219	260	78	40	-58	56	173
pH	NE	SU	6.4	5.89	6.16	5.91	5.71	6.24	6.34
Specific Conductivity	NE	µS/cm	206	171	195	177	193	172	143.7
Temperature	NE	deg c	15	17	21	20	25	16	18.5
Turbidity	NE	NTU	20	3.8	9.8	9.4	4.1	6.6	9.21

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-29BR	MW-29BR	MW-29BR	MW-29BR	MW-29BR	MW-29BR
			Well Screen Interval (ft bls):	81 - 86	81 - 86	81 - 86	81 - 86	81 - 86	81 - 86
			Sample Collection Date:	02/11/2020	09/23/2020	03/15/2021	09/08/2021	03/09/2022	09/27/2022
	SCDHEC MCL (R.61-58)	Units							
Volatile Organic Compounds (USEPA Method 8260)									
1,2-Dichlorobenzene	600	µg/L	2.5 U	2 U	2.0 U	2.5 U	5.0 U	5.0 U
1,4-Dichlorobenzene	75	µg/L	2.5 U	2 U	2.0 U	2.5 U	5.0 U	5.0 U
Benzene	5	µg/L	**151**	**140**	**214**	**150**	**190**	**192**
Ethylbenzene	700	µg/L	11.2	6.2	10.7	9.7	14.5	20.6
m,p-Xylenes	NE	µg/L	25.1	12.7	25.6	21.1	31.5	45.6
Naphthalene	25	µg/L	**306**	**171**	**250**	**293**	**436**	**595**
O-Xylene	NE	µg/L	12.8	7.1	13.5	11.7	14.2	21.2
p-Isopropyltoluene	NE	µg/L	2.5 U	2 U	2.0 U	2.5 U	5.0 U	5.0 U
Styrene	100	µg/L	27.7	16.8	30.1	25.9	33.4	48.6
Toluene	1000	µg/L	109	82.5	135	99.7	150	162
Total Xylenes	10000	µg/L	37.8	19.8	39.1	32.8	45.7	66.8
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)									
1-Methylnaphthalene	NE	µg/L	13	10 U	22.6	17.1	18.6	2.6
2-Methylnaphthalene	NE	µg/L	21.1	10 U	32.6	26.3	22.6	3.0
Acenaphthene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	0.90 U
Acenaphthylene	NE	µg/L	7.2 J	10 U	13.0	9.9	11.6	1.5
Anthracene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	0.90 U
Benzo(A)Anthracene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	0.90 U
Benzo(A)Pyrene	0.2	µg/L	9.9 U	0.1 U	0.10 U	0.10 U	1.0 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	0.90 U
Benzo(G,H,I)Perylene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	0.90 U
Benzo(K)Fluoranthene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	0.90 U
Chrysene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	0.90 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	0.90 U
Dibenzofuran	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	0.90 U
Fluoranthene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	0.90 U
Fluorene	NE	µg/L	9.9 U	10 U	2.2 J	8.3 U	2.1 J	0.28 J
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	0.90 U
Phenanthrene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	0.90 U
Pyrene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	0.90 U
Field Parameters									
Dissolved Oxygen	NE	mg/L	0.28	0.48	0.32	0.48	0.87	0.41
Eh	NE	mV	191	228	188	97	174	--
Oxidation-Reduction Potential	NE	mV	-14	23	-17	-108	-31	-113
pH	NE	SU	9.16	9.46	9.42	8.87	9.31	9.24
Specific Conductivity	NE	µS/cm	306	317	320	322	308	0.306
Temperature	NE	deg c	19	21	16	23	14	18.7
Turbidity	NE	NTU	16.5	3.7	1.6	0.5	1.9	0.63

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-29S	MW-29S	MW-29S	MW-29S	MW-29S	MW-29S	MW-29S
			Well Screen Interval (ft bls):	5 - 15	5 - 15	5 - 15	5 - 15	5 - 15	5 - 15	5 - 15
			Sample Collection Date:	03/21/2019	02/11/2020	09/23/2020	03/15/2021	09/08/2021	03/09/2022	09/27/2022
	SCDHEC MCL (R.61-58)	Units								
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	10 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
2-Methylnaphthalene	NE	µg/L	10 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Acenaphthene	NE	µg/L	10 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Acenaphthylene	NE	µg/L	10 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Anthracene	NE	µg/L	10 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	10 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	10 U	9.8 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Chrysene	NE	µg/L	10 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Dibenzofuran	NE	µg/L	10 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Fluoranthene	NE	µg/L	10 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Fluorene	NE	µg/L	10 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Phenanthrene	NE	µg/L	10 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Pyrene	NE	µg/L	10 U	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Field Parameters										
Dissolved Oxygen	NE	mg/L	0.37	0.19	1.06	0.16	0.14	0.59	0.3
Eh	NE	mV	225	311	228	224	167	200	--
Oxidation-Reduction Potential	NE	mV	20	106	23	19	-38	-5	32.2
pH	NE	SU	6.91	6.68	6.53	6.92	6.18	6.76	6.14
Specific Conductivity	NE	µS/cm	721	815	790	653	635	644	0.77
Temperature	NE	deg c	14	15	20	14	22	12	20.3
Turbidity	NE	NTU	9.22	9.9	6.8	4.2	2	3.4	4.64

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-29TZ	MW-29TZ	MW-29TZ	MW-29TZ	MW-29TZ	MW-29TZ	MW-29TZ
			Well Screen Interval (ft bls):	26 - 31	26 - 31	26 - 31	26 - 31	26 - 31	26 - 31	26 - 31
			Sample Collection Date:	03/21/2019	02/13/2020	09/23/2020	03/15/2021	09/08/2021	03/09/2022	09/27/2022
	SCDHEC MCL (R.61-58)	Units								
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	25 U	25 U	40 U	25.0 U	25.0 U	25.0 U	40.0 U
1,4-Dichlorobenzene	75	µg/L	25 U	25 U	40 U	25.0 U	25.0 U	25.0 U	40.0 U
Benzene	5	µg/L	**1920**	**1680**	**1480**	**1600**	**1670**	**1790**	**1950**
Ethylbenzene	700	µg/L	411	242	243	209	281	359	499
m,p-Xylenes	NE	µg/L	181	119	105	62.1	100	97.3	201
Naphthalene	25	µg/L	**4060**	**3200**	**4260**	**1750**	**2830**	**4350**	**7220**
O-Xylene	NE	µg/L	109	79.3	69.9	54.4	76.7	77.9	123
p-Isopropyltoluene	NE	µg/L	25 U	25 U	40 U	25.0 U	25.0 U	25.0 U	40.0 U
Styrene	100	µg/L	25 U	25 U	40 U	25.0 U	25.0 U	25.0 U	40.0 U
Toluene	1000	µg/L	66.3	18.1 J	21 J	23.5 J	29.7	14.1 J	30.0 J
Total Xylenes	10000	µg/L	290	198	175	116	177	175	325
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	258	322	273	167	150	202	214
2-Methylnaphthalene	NE	µg/L	412	211	445	277	242	326	352
Acenaphthene	NE	µg/L	109	142	147	80.5	72.4	119	100
Acenaphthylene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Anthracene	NE	µg/L	10 U	3.1 J	2.4 J	10.0 U	10.0 U	2.7 J	3.0 J
Benzo(A)Anthracene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzo(A)Pyrene	0.2	µg/L	10 U	9.6 U	10 U	0.10 U	0.10 U	1.0 U	1.0 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Chrysene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibenzofuran	NE	µg/L	6.2 J	9.5 J	8.8 J	5.3 J	4.7 J	8.0 J	7.0 J
Fluoranthene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Fluorene	NE	µg/L	19.3	28.7	25.4	15.9	14.1	23.7	20.2
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Phenanthrene	NE	µg/L	9.5 J	18.2	15.5	11.3	8.8 J	15.0	17.5
Pyrene	NE	µg/L	10 U	9.6 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U
Field Parameters										
Dissolved Oxygen	NE	mg/L	1.7	0.36	0.51	0.39	0.28	0.57	1
Eh	NE	mV	355	412	185	173	156	173	--
Oxidation-Reduction Potential	NE	mV	150	207	-20	-32	-49	-32	-45.1
pH	NE	SU	6.53	6.48	6.63	6.73	6.11	6.44	6.16
Specific Conductivity	NE	µS/cm	370	407	391	374	377	348	0.372
Temperature	NE	deg c	17	17	23	15	25	14	18.6
Turbidity	NE	NTU	56.2	8.18	5.7	3.5	2.1	9.4	3.29

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-30S	MW-30S	MW-30S	MW-30S	MW-30S	MW-30S	MW-30S	MW-30S
			Well Screen Interval (ft bls):	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20
			Sample Collection Date:	03/21/2019	02/17/2020	09/29/2020	03/10/2021	10/13/2021	03/10/2022	10/04/2022	10/04/2022
	SCDHEC MCL (R.61-58)	Units									(DUP)
Volatile Organic Compounds (USEPA Method 8260)											
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	0.83 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)											
1-Methylnaphthalene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U	8.7 U
2-Methylnaphthalene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U	8.7 U
Acenaphthene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U	8.7 U
Acenaphthylene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U	8.7 U
Anthracene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U	8.7 U
Benzo(A)Anthracene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U	8.7 U
Benzo(A)Pyrene	0.2	µg/L	10 U	9.9 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U	8.7 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U	8.7 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U	8.7 U
Chrysene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U	8.7 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U	8.7 U
Dibenzofuran	NE	µg/L	10 U	9.9 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U	8.7 U
Fluoranthene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U	8.7 U
Fluorene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U	8.7 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U	8.7 U
Phenanthrene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U	8.7 U
Pyrene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U	8.7 U
Field Parameters											
Dissolved Oxygen	NE	mg/L	1.2	2.59	0.2	0.52	0.94	0.56	0.34	0.34
Eh	NE	mV	314	425	92	231	300	147	--	--
Oxidation-Reduction Potential	NE	mV	109	220	-113	26	95	-58	-30.1	-30.1
pH	NE	SU	6.34	6.07	6.27	6.05	5.8	6.23	6.29	6.29
Specific Conductivity	NE	µS/cm	254	135	298	205	210	227	367.1	367.1
Temperature	NE	deg c	15	14	20	18	22	11	18.9	18.9
Turbidity	NE	NTU	22.3	5.8	8.5	6.1	2.8	9.75	3.62	3.62

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-30TZ	MW-30TZ	MW-30TZ	MW-30TZ	MW-30TZ	MW-30TZ
	Well Screen Interval (ft bls):		35 - 40	35 - 40	35 - 40	35 - 40	35 - 40	35 - 40
	Sample Collection Date:		02/17/2020	09/29/2020	03/10/2021	10/13/2021	03/10/2022	10/04/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	2.9	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	0.62 J	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	2.2	0.51 J	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	0.31 J	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Acenaphthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Acenaphthylene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Anthracene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	10 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Chrysene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Fluorene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Phenanthrene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Pyrene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.32	0.2	0.32	0.34	0.67	2.7
Eh	NE	mV	210	78	226	261	197	--
Oxidation-Reduction Potential	NE	mV	5	-127	21	56	-8	-4.3
pH	NE	SU	6.85	6.48	6.15	6.05	6.11	6.08
Specific Conductivity	NE	µS/cm	320	311	301	283	266	0.28
Temperature	NE	deg c	14	19	20	21	9	17.3
Turbidity	NE	NTU	22.9	13.5	9.97	13.5	9.5	39.2

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-31S	MW-31S	MW-31S	MW-31S	MW-31S	MW-31S	MW-31S
			Well Screen Interval (ft bls):	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20
			Sample Collection Date:	03/21/2019	02/17/2020	09/29/2020	03/10/2021	10/13/2021	03/10/2022	10/03/2022
	SCDHEC MCL (R.61-58)	Units								
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	10 U	10 U	10 U	10.0 U	8.7 U	9.1 U	10.0 U
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10 U	10.0 U	8.7 U	9.1 U	10.0 U
Acenaphthene	NE	µg/L	3 J	2.8 J	4.4 J	2.5 J	3.2 J	4.9 J	4.9 J
Acenaphthylene	NE	µg/L	10 U	10 U	10 U	10.0 U	8.7 U	9.1 U	10.0 U
Anthracene	NE	µg/L	10 U	10 U	10 U	10.0 U	8.7 U	9.1 U	10.0 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10 U	10.0 U	8.7 U	9.1 U	10.0 U
Benzo(A)Pyrene	0.2	µg/L	10 U	10 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10 U	10.0 U	8.7 U	9.1 U	10.0 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10 U	10.0 U	8.7 U	9.1 U	10.0 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10 U	10.0 U	8.7 U	9.1 U	10.0 U
Chrysene	NE	µg/L	10 U	10 U	10 U	10.0 U	8.7 U	9.1 U	10.0 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10 U	10.0 U	8.7 U	9.1 U	10.0 U
Dibenzofuran	NE	µg/L	10 U	10 U	10 U	10.0 U	8.7 U	9.1 U	10.0 U
Fluoranthene	NE	µg/L	10 U	10 U	10 U	10.0 U	8.7 U	9.1 U	10.0 U
Fluorene	NE	µg/L	10 U	10 U	10 U	10.0 U	8.7 U	9.1 U	10.0 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10 U	10.0 U	8.7 U	9.1 U	10.0 U
Phenanthrene	NE	µg/L	10 U	10 U	10 U	10.0 U	8.7 U	9.1 U	10.0 U
Pyrene	NE	µg/L	10 U	10 U	10 U	10.0 U	8.7 U	9.1 U	10.0 U
Field Parameters										
Dissolved Oxygen	NE	mg/L	0.24	0.21	0.29	0.19	0.6	0.61	3.2
Eh	NE	mV	242	465	202	226	231	219	--
Oxidation-Reduction Potential	NE	mV	37	260	-3	21	26	14	-40.3
pH	NE	SU	6.17	6.02	5.79	5.86	5.74	6.15	5.98
Specific Conductivity	NE	µS/cm	245	244	223	259	237	244	0.25
Temperature	NE	deg c	16.2	15	18	20	19	15	18
Turbidity	NE	NTU	9.2	8.9	1.9	3.5	1.9	5.4	0.25

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-31TZ	MW-31TZ	MW-31TZ	MW-31TZ	MW-31TZ	MW-31TZ	MW-31TZ
			Well Screen Interval (ft bls):	28 - 38	28 - 38	28 - 38	28 - 38	28 - 38	28 - 38	28 - 38
			Sample Collection Date:	03/21/2019	02/17/2020	09/29/2020	03/10/2021	10/13/2021	03/10/2022	10/03/2022
	SCDHEC MCL (R.61-58)	Units								
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	0.77 J	0.40 J	1.9	1.0	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1	1.0 U	2.9	2.2	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
2-Methylnaphthalene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Acenaphthene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Acenaphthylene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Anthracene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	10 U	9.9 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Chrysene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Dibenzofuran	NE	µg/L	10 U	9.9 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Fluoranthene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Fluorene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Phenanthrene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Pyrene	NE	µg/L	10 U	9.9 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Field Parameters										
Dissolved Oxygen	NE	mg/L	0.39	0.29	0.42	0.29	0.65	0.87	0.2
Eh	NE	mV	252	472	206	232	261	225	--
Oxidation-Reduction Potential	NE	mV	47	267	1	27	56	20	28.9
pH	NE	SU	6.38	6.14	5.96	6.02	6	6.25	6.24
Specific Conductivity	NE	µS/cm	314	302	328	341	344	320	346.3
Temperature	NE	deg c	17	15	18	20	21	14	17.9
Turbidity	NE	NTU	90	5.5	4	5.9	4.8	6.2	3.87

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-32S	MW-32S	MW-32S	MW-32S	MW-32S	MW-32S
	Well Screen Interval (ft bls):		20 - 35	20 - 35	20 - 35	20 - 35	20 - 35	20 - 35
	Sample Collection Date:		02/17/2020	09/29/2020	03/10/2021	10/13/2021	03/10/2022	10/03/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	9.1 U
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	9.1 U
Acenaphthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	9.1 U
Acenaphthylene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	9.1 U
Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	10 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	9.1 U
Chrysene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	9.1 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	9.1 U
Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	9.1 U
Fluorene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	9.1 U
Phenanthrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	9.1 U
Pyrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	9.1 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.32	0.18	0.72	0.34	1.22	8.3
Eh	NE	mV	497	117	275	367	222	--
Oxidation-Reduction Potential	NE	mV	292	-88	70	162	17	97.2
pH	NE	SU	5.48	5.52	5.56	5.23	5.44	5.42
Specific Conductivity	NE	µS/cm	183	186	191	198	195	0.2
Temperature	NE	deg c	15	17	21	23	12	12.6
Turbidity	NE	NTU	9.07	9.8	7.8	7.8	6.5	2.59

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-32TZ	MW-32TZ	MW-32TZ	MW-32TZ	MW-32TZ	MW-32TZ	MW-32TZ
			Well Screen Interval (ft bls):	56 - 66	56 - 66	56 - 66	56 - 66	56 - 66	56 - 66	56 - 66
			Sample Collection Date:	02/17/2020	09/29/2020	03/10/2021	10/13/2021	03/10/2022	03/10/2022	10/03/2022
	SCDHEC MCL (R.61-58)	Units						(DUP)		
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	9.9 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U	9.1 U	
2-Methylnaphthalene	NE	µg/L	9.9 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U	9.1 U	
Acenaphthene	NE	µg/L	9.9 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U	9.1 U	
Acenaphthylene	NE	µg/L	9.9 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U	9.1 U	
Anthracene	NE	µg/L	9.9 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U	9.1 U	
Benzo(A)Anthracene	NE	µg/L	9.9 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U	9.1 U	
Benzo(A)Pyrene	0.2	µg/L	9.9 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	
Benzo(B)Fluoranthene	NE	µg/L	9.9 U	2.6 J	10.0 U	8.7 U	9.1 U	8.3 U	9.1 U	
Benzo(G,H,I)Perylene	NE	µg/L	9.9 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U	9.1 U	
Benzo(K)Fluoranthene	NE	µg/L	9.9 U	2.8 J	10.0 U	8.7 U	9.1 U	8.3 U	9.1 U	
Chrysene	NE	µg/L	9.9 U	2.9 J	10.0 U	8.7 U	9.1 U	8.3 U	9.1 U	
Dibenzo(A,H)Anthracene	NE	µg/L	9.9 U	3.1 J	10.0 U	8.7 U	9.1 U	8.3 U	9.1 U	
Dibenzofuran	NE	µg/L	9.9 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U	9.1 U	
Fluoranthene	NE	µg/L	9.9 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U	9.1 U	
Fluorene	NE	µg/L	9.9 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U	9.1 U	
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.9 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U	9.1 U	
Phenanthrene	NE	µg/L	9.9 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U	9.1 U	
Pyrene	NE	µg/L	9.9 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U	9.1 U	
Field Parameters										
Dissolved Oxygen	NE	mg/L	1.7	0.14	2.33	0.53	--	1.1	0.21	
Eh	NE	mV	458	99	270	348	--	221	--	
Oxidation-Reduction Potential	NE	mV	253	-106	65	143	--	16	136.3	
pH	NE	SU	5.77	5.92	6	5.69	--	5.88	5.94	
Specific Conductivity	NE	µS/cm	196	259	149	258	--	255	252.1	
Temperature	NE	deg c	17	17	17	18	--	15	17.1	
Turbidity	NE	NTU	9.7	14.7	4.6	7.8	--	2.5	1.02	

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-33S	MW-33S	MW-33S	MW-33S	MW-33S	MW-33S
	Well Screen Interval (ft bls):		5 - 20	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20
	Sample Collection Date:		02/17/2020	09/29/2020	03/10/2021	10/13/2021	03/10/2022	10/03/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U
Acenaphthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U
Acenaphthylene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U
Anthracene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U
Benzo(A)Pyrene	0.2	µg/L	10 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U
Chrysene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U
Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U
Fluorene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U
Phenanthrene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U
Pyrene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	8.3 U	8.7 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.28	0.28	0.22	0.32	0.78	0.22
Eh	NE	mV	215	141	210	154.9	239	--
Oxidation-Reduction Potential	NE	mV	10	-64	5	-50.1	34	-28.4
pH	NE	SU	6.39	6.33	6.3	6.28	6.44	6.56
Specific Conductivity	NE	µS/cm	822	759	714	653	667	696
Temperature	NE	deg c	15	21	18	21.1	15	20.6
Turbidity	NE	NTU	2.3	4.1	2.8	9.98	4.3	1.95

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-33TZ	MW-33TZ	MW-33TZ	MW-33TZ	MW-33TZ	MW-33TZ
	Well Screen Interval (ft bls):		35 - 40	35 - 40	35 - 40	35 - 40	35 - 40	35 - 40
	Sample Collection Date:		02/17/2020	09/29/2020	03/10/2021	10/13/2021	03/10/2022	10/03/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
2-Methylnaphthalene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Acenaphthene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Acenaphthylene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Anthracene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	9.8 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Chrysene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Dibenzofuran	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Fluoranthene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Fluorene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Phenanthrene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Pyrene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.27	0.28	0.38	0.28	0.72	5.8
Eh	NE	mV	289	23	211	71	238	--
Oxidation-Reduction Potential	NE	mV	84	-182	6	-134	33	-61.3
pH	NE	SU	11.02	7.57	7.16	7.36	7.24	2.01
Specific Conductivity	NE	µS/cm	454	310	298	292	249	0.27
Temperature	NE	deg c	16	21	20	22.6	14	19.1
Turbidity	NE	NTU	14.8	9.2	4.7	99.6	9.2	2.02

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-34BR	MW-34BR	MW-34BR	MW-34BR	MW-34BR	MW-34BR
			Well Screen Interval (ft bls):	103 - 108	103 - 108	103 - 108	103 - 108	103 - 108	103 - 108
			Sample Collection Date:	02/11/2020	09/23/2020	03/15/2021	09/08/2021	03/09/2022	09/27/2022
	SCDHEC MCL (R.61-58)	Units							
Volatile Organic Compounds (USEPA Method 8260)									
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	**6.6**	2.5	2.2	2.1	1.5	1.8
Ethylbenzene	700	µg/L	0.37 J	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	1.2 J	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	14.2	1.6	1.2	1.1	2.3	2.2
O-Xylene	NE	µg/L	0.63 J	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1.1	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	4.2	1.6	0.99 J	0.84 J	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)									
1-Methylnaphthalene	NE	µg/L	9.6 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
2-Methylnaphthalene	NE	µg/L	9.6 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Acenaphthene	NE	µg/L	9.6 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Acenaphthylene	NE	µg/L	9.6 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Anthracene	NE	µg/L	9.6 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	9.6 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	9.6 U	0.1 U	0.10 U	0.10 U	5.0 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.6 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	9.6 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	9.6 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Chrysene	NE	µg/L	9.6 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.6 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Dibenzofuran	NE	µg/L	9.6 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Fluoranthene	NE	µg/L	9.6 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Fluorene	NE	µg/L	9.6 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.6 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Phenanthrene	NE	µg/L	9.6 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Pyrene	NE	µg/L	9.6 U	10 U	10.0 U	10.0 U	10.0 U	9.1 U
Field Parameters									
Dissolved Oxygen	NE	mg/L	1.06	0.31	0.21	0.68	0.31	0.36
Eh	NE	mV	309	-49	-107	-162	-116	--
Oxidation-Reduction Potential	NE	mV	104	-254	-312	-367	-321	-324
pH	NE	SU	9.12	8.71	8.21	7.75	8.24	9.97
Specific Conductivity	NE	µS/cm	1300	1636	1211	1201	900	0.77
Temperature	NE	deg c	18	24	16	27	14	19.4
Turbidity	NE	NTU	9.7	4.62	3	3	2.2	9.09

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-34S	MW-34S	MW-34S	MW-34S	MW-34S	MW-34S
	Well Screen Interval (ft bls):		10 - 25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25
	Sample Collection Date:		02/11/2020	09/23/2020	03/15/2021	09/08/2021	03/09/2022	09/27/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	0.73 J	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	9.7 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
2-Methylnaphthalene	NE	µg/L	9.7 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Acenaphthene	NE	µg/L	9.7 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Acenaphthylene	NE	µg/L	9.7 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Anthracene	NE	µg/L	9.7 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	9.7 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	9.7 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.7 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	9.7 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	9.7 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Chrysene	NE	µg/L	9.7 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.7 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Dibenzofuran	NE	µg/L	9.7 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Fluoranthene	NE	µg/L	9.7 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Fluorene	NE	µg/L	9.7 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.7 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Phenanthrene	NE	µg/L	9.7 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Pyrene	NE	µg/L	9.7 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.19	0.23	0.42	1.95	0.3	0.54
Eh	NE	mV	224	128	219	85	98	--
Oxidation-Reduction Potential	NE	mV	19	-77	14	-120	-107	-103.7
pH	NE	SU	6.6	6.56	6.66	6.6	6.62	6.59
Specific Conductivity	NE	µS/cm	1124	1071	884	1190	1046	1.159
Temperature	NE	deg c	16	23	14	25	14	18.2
Turbidity	NE	NTU	4.3	7.74	0.8	7.8	3	6.58

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-34TZ	MW-34TZ	MW-34TZ	MW-34TZ	MW-34TZ	MW-34TZ
	Well Screen Interval (ft bls):		40 - 50	40 - 50	40 - 50	40 - 50	40 - 50	40 - 50
	Sample Collection Date:		02/11/2020	09/23/2020	03/15/2021	09/08/2021	03/09/2022	09/27/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	0.42 J	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	2.2
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
2-Methylnaphthalene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Acenaphthene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Acenaphthylene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Anthracene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	9.9 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Chrysene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Dibenzofuran	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Fluoranthene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Fluorene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Phenanthrene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Pyrene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.35	0.24	0.49	1.98	0.46	0.66
Eh	NE	mV	237	142	219	115	33	--
Oxidation-Reduction Potential	NE	mV	32	-63	14	-90	-172	-109
pH	NE	SU	5.99	6.03	6.17	6.09	6.3	7.62
Specific Conductivity	NE	µS/cm	355	390	392	426	454	0.38
Temperature	NE	deg c	19	24	16	28	14	20.2
Turbidity	NE	NTU	8.5	7.5	2.3	2.8	4.4	8.98

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-35BR	MW-35BR	MW-35BR	MW-35BR	MW-35BR	MW-35BR
	Well Screen Interval (ft bls):		140 - 150	140 - 150	140 - 150	140 - 150	140 - 150	140 - 150
	Sample Collection Date:		07/15/2020	09/22/2020	03/12/2021	09/07/2021	03/08/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	0.025 J	10 U	10.0 U	8.3 U	10.0 U	8.3 U
2-Methylnaphthalene	NE	µg/L	0.04 J	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Acenaphthene	NE	µg/L	0.5 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Acenaphthylene	NE	µg/L	0.5 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Anthracene	NE	µg/L	0.05 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	0.05 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	0.1 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	0.05 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	0.2 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	0.2 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Chrysene	NE	µg/L	0.1 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	0.15 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Fluoranthene	NE	µg/L	0.3 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Fluorene	NE	µg/L	0.31 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	0.05 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Phenanthrene	NE	µg/L	0.2 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Pyrene	NE	µg/L	0.1 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.46	0.42	0.31	0.43	0.43	0.18
Eh	NE	mV	232	219	129	38	226	--
Oxidation-Reduction Potential	NE	mV	27	14	-76	-167	21	-209.4
pH	NE	SU	8.98	8.42	8.27	7.72	8.08	8.11
Specific Conductivity	NE	µS/cm	631	553	568	559	534	598
Temperature	NE	deg c	25	20	16	22	16	18.6
Turbidity	NE	NTU	18.3	7.8	4.5	4.5	3	0.87

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-35S	MW-35S	MW-35S	MW-35S	MW-35S	MW-35S
	Well Screen Interval (ft bls):		5 - 15	5 - 15	5 - 15	5 - 15	5 - 15	5 - 15
	Sample Collection Date:		02/13/2020	09/22/2020	03/12/2021	09/07/2021	03/08/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	2.8	1.2	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
2-Methylnaphthalene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Acenaphthene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Acenaphthylene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Anthracene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	9.8 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Chrysene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Dibenzofuran	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Fluoranthene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Fluorene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Phenanthrene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Pyrene	NE	µg/L	9.8 U	10 U	10.0 U	9.1 U	8.3 U	9.1 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	2.44	0.29	0.14	0.13	0.67	0.2
Eh	NE	mV	436	343	259	150	253	--
Oxidation-Reduction Potential	NE	mV	231	138	54	-55	48	178.2
pH	NE	SU	5.81	5.6	5.87	5.33	6	6.36
Specific Conductivity	NE	µS/cm	179	185	192	186	199	160.7
Temperature	NE	deg c	13	22.5	14	20	13	19.2
Turbidity	NE	NTU	1.7	0.43	1.4	1.1	1.8	4.72

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-35TZ	MW-35TZ	MW-35TZ	MW-35TZ	MW-35TZ	MW-35TZ
	Well Screen Interval (ft bls):		30 - 35	30 - 35	30 - 35	30 - 35	30 - 35	30 - 35
	Sample Collection Date:		02/13/2020	09/22/2020	03/12/2021	09/07/2021	03/08/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Acenaphthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Acenaphthylene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Anthracene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	10 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Chrysene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Fluorene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Phenanthrene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Pyrene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	8.3 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	2.27	0.26	3.59	0.26	2.68	0.27
Eh	NE	mV	463	104	270	136	244	--
Oxidation-Reduction Potential	NE	mV	258	-101	65	-69	39	5.2
pH	NE	SU	6.37	6.87	7.12	6.61	7.09	6.64
Specific Conductivity	NE	µS/cm	192	237	227	243	225	263.6
Temperature	NE	deg c	16	22	15	22	16	18.6
Turbidity	NE	NTU	5.3	3.6	6.6	3.1	5.1	0.98

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-36BR	MW-36BR	MW-36BR	MW-36BR	MW-36BR	MW-36BR
			Well Screen Interval (ft bls):	63 - 68	63 - 68	63 - 68	63 - 68	63 - 68	63 - 68
			Sample Collection Date:	02/12/2020	09/22/2020	03/11/2021	09/08/2021	03/07/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units							
Volatile Organic Compounds (USEPA Method 8260)									
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)									
1-Methylnaphthalene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
2-Methylnaphthalene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Acenaphthene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Acenaphthylene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Anthracene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	9.6 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Chrysene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Dibenzofuran	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Fluoranthene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Fluorene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Phenanthrene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Pyrene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Field Parameters									
Dissolved Oxygen	NE	mg/L	0.24	0.32	0.2	0.21	0.41	0.18
Eh	NE	mV	196	69	167	68	191	--
Oxidation-Reduction Potential	NE	mV	-9	-136	-38	-137	-14	-85.7
pH	NE	SU	6.77	6.98	6.81	6.64	6.96	6.5
Specific Conductivity	NE	µS/cm	182	331	305	290	266	224.2
Temperature	NE	deg c	17	20	17	22	19	19.7
Turbidity	NE	NTU	29.6	9.8	8.2	9.4	6.5	10.3

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-36S	MW-36S	MW-36S	MW-36S	MW-36S	MW-36S	MW-36S
			Well Screen Interval (ft bls):	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20
			Sample Collection Date:	02/12/2020	09/22/2020	03/11/2021	09/08/2021	03/07/2022	09/28/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units								(DUP)
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	4 U	2 U	2.0 U	2.5 U	1.0 U	2.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	4 U	2 U	2.0 U	2.5 U	1.0 U	2.0 U	1.0 U
Benzene	5	µg/L	**9.4**	**6.7**	**8.5**	**6.4**	**7.8**	**5.8**	**6.4**
Ethylbenzene	700	µg/L	51	39.3	40.5	32.5	31.9	22.6	23.2
m,p-Xylenes	NE	µg/L	54.8	18.3	12.2	18.7	12.3	19.2	19.6
Naphthalene	25	µg/L	**368**	**290**	**198**	**237**	**165**	**200**	**187**
O-Xylene	NE	µg/L	33.3	26.3	23.3	16.3	15.4	13.6	13.2
p-Isopropyltoluene	NE	µg/L	4 U	2 U	2.0 U	2.5 U	1.0 U	2.0 U	1.0 U
Styrene	100	µg/L	4 U	1.1 J	1.0 J	0.81 J	0.77 J	0.63 J	0.72 J
Toluene	1000	µg/L	11.7	12.7	11.4	8.2	7.5	6.8	7.0
Total Xylenes	10000	µg/L	88.2	44.6	35.5	35.0	27.8	32.8	32.8
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	26.6	23.8	5.8 J	9.3	13.3	19.0	16.7
2-Methylnaphthalene	NE	µg/L	18	4.7 J	10.0 U	9.1 U	10.0 U	3.2 J	2.7 J
Acenaphthene	NE	µg/L	17.8	13.3	4.7 J	5.4 J	8.6 J	11.4	9.7
Acenaphthylene	NE	µg/L	6.7 J	4.5 J	10.0 U	9.1 U	3.1 J	3.3 J	2.7 J
Anthracene	NE	µg/L	3.2 J	10 U	10.0 U	9.1 U	10.0 U	8.3 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	10 U	0.065 J	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U	8.3 U
Chrysene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U	8.3 U
Dibenzofuran	NE	µg/L	14	9.6 J	2.4 J	9.1 U	4.7 J	6.6 J	5.5 J
Fluoranthene	NE	µg/L	3.1 J	10 U	10.0 U	9.1 U	10.0 U	8.3 U	8.3 U
Fluorene	NE	µg/L	11.6	7.4 J	10.0 U	1.9 J	2.7 J	3.9 J	3.3 J
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U	8.3 U
Phenanthrene	NE	µg/L	9.3 J	7.3 J	10.0 U	2.0 J	3.2 J	5.5 J	4.7 J
Pyrene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U	8.3 U
Field Parameters										
Dissolved Oxygen	NE	mg/L	0.18	0.29	0.15	0.17	0.23	0.2	0.2
Eh	NE	mV	252	103	190	108	202	--	--
Oxidation-Reduction Potential	NE	mV	47	-102	-15	-97	-3	-98	-98
pH	NE	SU	6.41	6.44	6.39	6.38	6.53	6.17	6.17
Specific Conductivity	NE	µS/cm	464	438	481	419	439	412.1	412.1
Temperature	NE	deg c	15	20	19	25	19	20.7	20.7
Turbidity	NE	NTU	1.4	2.17	8.6	1.2	9.2	2.9	2.9

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-36TZ	MW-36TZ	MW-36TZ	MW-36TZ	MW-36TZ	MW-36TZ	MW-36TZ
			Well Screen Interval (ft bls):	40 - 45	40 - 45	40 - 45	40 - 45	40 - 45	40 - 45	40 - 45
			Sample Collection Date:	02/12/2020	09/22/2020	09/22/2020	03/11/2021	09/08/2021	03/07/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units		(DUP)						
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2 U	0.79 J	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1 U	0.79 J	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	8.3 U
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	8.3 U
Acenaphthene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	8.3 U
Acenaphthylene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	8.3 U
Anthracene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	10 U	0.1 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	8.3 U
Chrysene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	8.3 U
Dibenzofuran	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	8.3 U
Fluoranthene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	8.3 U
Fluorene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	8.3 U
Phenanthrene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	8.3 U
Pyrene	NE	µg/L	10 U	10 U	10 U	10.0 U	10.0 U	9.1 U	8.3 U
Field Parameters										
Dissolved Oxygen	NE	mg/L	1.14	2.03	2.03	2.01	1.75	2.08	2.65
Eh	NE	mV	344	394	394	289	189	258	--
Oxidation-Reduction Potential	NE	mV	139	189	189	84	-16	53	434.2
pH	NE	SU	5.77	5.45	5.45	5.31	5.47	5.67	6.11
Specific Conductivity	NE	µS/cm	227	147	147	142	139	135	119.3
Temperature	NE	deg c	16	19	19	18	23	19	20.4
Turbidity	NE	NTU	3.6	3.14	3.14	1.6	0.7	0.8	2.55

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-37BR	MW-37BR	MW-37BR	MW-37BR	MW-37BR	MW-37BR
	Well Screen Interval (ft bls):		111 - 116	111 - 116	111 - 116	111 - 116	111 - 116	111 - 116
	Sample Collection Date:		02/11/2020	09/21/2020	03/12/2021	09/08/2021	03/08/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	9.9 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
2-Methylnaphthalene	NE	µg/L	9.9 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Acenaphthene	NE	µg/L	9.9 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Acenaphthylene	NE	µg/L	9.9 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Anthracene	NE	µg/L	9.9 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	9.9 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	9.9 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.9 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	9.9 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	9.9 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Chrysene	NE	µg/L	9.9 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.9 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Dibenzofuran	NE	µg/L	9.9 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Fluoranthene	NE	µg/L	9.9 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Fluorene	NE	µg/L	9.9 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.9 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Phenanthrene	NE	µg/L	9.9 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Pyrene	NE	µg/L	9.9 U	10 U	10.0 U	9.1 U	10.0 U	8.3 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.33	0.57	0.38	0.29	0.47	0.16
Eh	NE	mV	195.4	121	183	76	186	--
Oxidation-Reduction Potential	NE	mV	-9.6	-84	-22	-129	-19	72.1
pH	NE	SU	7.18	7.25	7.12	7.16	7.2	7.04
Specific Conductivity	NE	µS/cm	280	427	487	444	364	353.8
Temperature	NE	deg c	17	21	19	22	16	19.7
Turbidity	NE	NTU	3.27	4.8	0.9	2.4	1.6	6.87

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-37S	MW-37S	MW-37S	MW-37S	MW-37S	MW-37S
	Well Screen Interval (ft bls):		5 - 20	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20
	Sample Collection Date:		02/10/2020	09/21/2020	03/12/2021	09/08/2021	03/08/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	9.6 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
2-Methylnaphthalene	NE	µg/L	9.6 U	10 U	10.0 U	8.3 U	9.1 U	1.7 J
Acenaphthene	NE	µg/L	9.6 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Acenaphthylene	NE	µg/L	9.6 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Anthracene	NE	µg/L	9.6 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	9.6 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	9.6 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.6 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	9.6 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	9.6 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Chrysene	NE	µg/L	9.6 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.6 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Dibenzofuran	NE	µg/L	9.6 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Fluoranthene	NE	µg/L	9.6 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Fluorene	NE	µg/L	9.6 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.6 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Phenanthrene	NE	µg/L	9.6 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Pyrene	NE	µg/L	9.6 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	1.63	5.51	1.21	1.87	1.91	2.12
Eh	NE	mV	492	354	247	174	247	--
Oxidation-Reduction Potential	NE	mV	287	149	42	-31	42	672.2
pH	NE	SU	5.42	5.36	5.47	5.08	5.6	5.5
Specific Conductivity	NE	µS/cm	168	143	178	118	168	109.7
Temperature	NE	deg c	14	20	17	23	15	19.8
Turbidity	NE	NTU	9.37	5.3	6.4	8.3	9.3	7.29

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-37TZ	MW-37TZ	MW-37TZ	MW-37TZ	MW-37TZ	MW-37TZ
	Well Screen Interval (ft bls):		65 - 70	65 - 70	65 - 70	65 - 70	65 - 70	65 - 70
	Sample Collection Date:		02/11/2020	09/21/2020	03/12/2021	09/08/2021	03/08/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	0.52 J	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
2-Methylnaphthalene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Acenaphthene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Acenaphthylene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Anthracene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	9.6 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Chrysene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Dibenzofuran	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Fluoranthene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Fluorene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Phenanthrene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Pyrene	NE	µg/L	9.6 U	10 U	10.0 U	9.1 U	8.3 U	8.3 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.43	0.24	0.33	0.23	0.57	0.5
Eh	NE	mV	326	88	192	-19	246	--
Oxidation-Reduction Potential	NE	mV	121	-117	-13	-224	41	-172.2
pH	NE	SU	6.68	9.06	7.1	8.81	8.5	8.28
Specific Conductivity	NE	µS/cm	631	732	911	705	629	650
Temperature	NE	deg c	17	20	20	22	15	19
Turbidity	NE	NTU	8.6	5.6	2.3	4.4	2.4	4.7

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-38BR	MW-38BR	MW-38BR	MW-38BR	MW-38BR	MW-38BR
	Well Screen Interval (ft bls):		42 - 47	42 - 47	42 - 47	42 - 47	42 - 47	42 - 47
	Sample Collection Date:		07/14/2020	09/28/2020	03/16/2021	09/09/2021	03/15/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	0.049 J	10 U	10.0 U	8.3 U	9.1 U	9.1 U
2-Methylnaphthalene	NE	µg/L	0.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Acenaphthene	NE	µg/L	0.5 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Acenaphthylene	NE	µg/L	0.5 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Anthracene	NE	µg/L	0.05 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	0.05 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	0.1 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	0.05 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	0.2 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	0.2 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Chrysene	NE	µg/L	0.1 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	0.15 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Fluoranthene	NE	µg/L	0.3 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Fluorene	NE	µg/L	0.31 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	0.05 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Phenanthrene	NE	µg/L	0.2 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Pyrene	NE	µg/L	0.1 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.27	0.35	0.2	0.24	0.4	0.28
Eh	NE	mV	185	251	235	108	247	--
Oxidation-Reduction Potential	NE	mV	-20	46	30	-97	42	-42.9
pH	NE	SU	7.27	6.89	7.62	6.92	6.94	7.5
Specific Conductivity	NE	µS/cm	289	286	274	309	304	0.294
Temperature	NE	deg c	22	19	11	19	15	16.2
Turbidity	NE	NTU	16.5	1.06	1.9	4	3.9	1.37

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-38S	MW-38S	MW-38S	MW-38S	MW-38S	MW-38S
	Well Screen Interval (ft bls):		5 - 20	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20
	Sample Collection Date:		07/14/2020	09/28/2020	03/16/2021	09/09/2021	03/15/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	0.013 J	10 U	10.0 U	8.7 U	9.1 U	8.3 U
2-Methylnaphthalene	NE	µg/L	0.025 J	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Acenaphthene	NE	µg/L	0.5 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Acenaphthylene	NE	µg/L	0.5 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Anthracene	NE	µg/L	0.05 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	0.05 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	0.1 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	0.05 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	0.2 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	0.2 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Chrysene	NE	µg/L	0.1 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	0.15 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Fluoranthene	NE	µg/L	0.3 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Fluorene	NE	µg/L	0.31 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	0.05 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Phenanthrene	NE	µg/L	0.2 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Pyrene	NE	µg/L	0.1 U	10 U	10.0 U	8.7 U	9.1 U	8.3 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.09	0.27	0.12	0.25	0.29	0.19
Eh	NE	mV	261	332	246	149	255	--
Oxidation-Reduction Potential	NE	mV	56	127	41	-56	50	-20.2
pH	NE	SU	6.13	5.96	5.99	6.16	6.02	6.31
Specific Conductivity	NE	µS/cm	228	233	217	243	211	0.22
Temperature	NE	deg c	19	19	12	20	15	17.4
Turbidity	NE	NTU	24.6	20.9	9.3	2.8	2.2	2.02

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-39BR	MW-39BR	MW-39BR	MW-39BR	MW-39BR	MW-39BR
	Well Screen Interval (ft bls):		45 - 50	45 - 50	45 - 50	45 - 50	45 - 50	45 - 50
	Sample Collection Date:		02/18/2020	09/28/2020	03/17/2021	09/09/2021	03/15/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	0.85 J	1 U	0.38 J	1.0 U	0.50 J	0.49 J
1,4-Dichlorobenzene	75	µg/L	0.43 J	1 U	1.0 U	1.0 U	1.0 U	0.40 J
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Acenaphthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Acenaphthylene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	10 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Chrysene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Fluorene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Phenanthrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Pyrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.28	0.28	0.68	0.37	2.06	1.27
Eh	NE	mV	349	49	148	135	252	--
Oxidation-Reduction Potential	NE	mV	144	-156	-57	-70	47	-92.6
pH	NE	SU	7.52	7.31	7.31	6.83	7.2	7.28
Specific Conductivity	NE	µS/cm	448	373	416	398	375	0.37
Temperature	NE	deg c	14	21	12	19	15	17.4
Turbidity	NE	NTU	2.7	5.6	3.3	3.2	4.6	0.93

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-39BRL	MW-39BRL	MW-39BRL	MW-39BRL	MW-39BRL	MW-39BRL
	Well Screen Interval (ft bls):		75 - 80	75 - 80	75 - 80	75 - 80	75 - 80	75 - 80
	Sample Collection Date:		02/18/2020	09/28/2020	03/17/2021	09/09/2021	03/15/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	9.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
2-Methylnaphthalene	NE	µg/L	9.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Acenaphthene	NE	µg/L	9.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Acenaphthylene	NE	µg/L	9.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Anthracene	NE	µg/L	9.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	9.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	9.8 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	9.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	9.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Chrysene	NE	µg/L	9.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Dibenzofuran	NE	µg/L	9.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Fluoranthene	NE	µg/L	9.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Fluorene	NE	µg/L	9.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Phenanthrene	NE	µg/L	9.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Pyrene	NE	µg/L	9.8 U	10 U	10.0 U	8.3 U	9.1 U	9.1 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.28	0.33	0.43	0.33	1.54	0.23
Eh	NE	mV	361	58	164	14	250	--
Oxidation-Reduction Potential	NE	mV	156	-147	-41	-191	45	-141
pH	NE	SU	9.64	9.87	10.76	9.33	9.57	9.22
Specific Conductivity	NE	µS/cm	265	1583	1968	1705	1496	0.443
Temperature	NE	deg c	15	20	12	19	14	16.2
Turbidity	NE	NTU	9.7	7.5	8	2.6	7	3.34

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-39S	MW-39S	MW-39S	MW-39S	MW-39S	MW-39S	MW-39S
			Well Screen Interval (ft bls):	9 - 24	9 - 24	9 - 24	9 - 24	9 - 24	9 - 24	9 - 24
			Sample Collection Date:	02/18/2020	09/28/2020	03/17/2021	09/09/2021	03/15/2022	09/29/2022	09/29/2022
	SCDHEC MCL (R.61-58)	Units								(DUP)
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	0.48 J	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	12.2	10.0 U
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	14.2	10.0 U
Acenaphthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U	10.0 U
Acenaphthylene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	11.3	10.0 U
Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U	10.0 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U	10.0 U
Benzo(A)Pyrene	0.2	µg/L	10 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U	10.0 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U	10.0 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U	10.0 U
Chrysene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U	10.0 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U	10.0 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U	10.0 U
Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U	10.0 U
Fluorene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U	10.0 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U	10.0 U
Phenanthrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U	10.0 U
Pyrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U	10.0 U
Field Parameters										
Dissolved Oxygen	NE	mg/L	0.17	0.73	0.16	0.19	0.52	0.63	0.63
Eh	NE	mV	393	107	257	178	260	--	--
Oxidation-Reduction Potential	NE	mV	188	-98	52	-27	55	186.5	186.5
pH	NE	SU	5.84	6.12	5.91	6.06	5.9	6.26	6.26
Specific Conductivity	NE	µS/cm	225	233	233	222	225	0.214	0.214
Temperature	NE	deg c	16	18	14	18	16	15.6	15.6
Turbidity	NE	NTU	0.6	3.1	1.1	0.7	1.1	1.5	1.5

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-40BR	MW-40BR	MW-40BR	MW-40BR	MW-40BR	MW-40BR	MW-40BR	MW-41BR	MW-41BR	MW-41BR
	Well Screen Interval (ft bls):		65 - 75	65 - 75	65 - 75	65 - 75	65 - 75	65 - 75	65 - 75	80 - 90	80 - 90	80 - 90
	Sample Collection Date:		04/30/2020	09/24/2020	03/15/2021	10/14/2021	10/14/2021	03/10/2022	09/28/2022	03/15/2021	03/14/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units					(DUP)					
Volatile Organic Compounds (USEPA Method 8260)												
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	0.75 J	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.95 J	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)												
1-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	9.1 U
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	9.1 U
Acenaphthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	9.1 U
Acenaphthylene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	9.1 U
Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	10 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	9.1 U
Chrysene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	9.1 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	9.1 U
Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	9.1 U
Fluorene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	9.1 U
Phenanthrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	9.1 U
Pyrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	9.1 U
Field Parameters												
Dissolved Oxygen	NE	mg/L	0.62	0.35	0.38	0.28	0.28	0.4	1.27	0.21	0.84	0.59
Eh	NE	mV	445	147	208	63	63	98		103	228	--
Oxidation-Reduction Potential	NE	mV	240	-58	3	-142	-142	-107	177.4	-102	23	-201
pH	NE	SU	7.27	6.74	7.19	6.78	6.78	6.85	6.84	8.8	8.17	7.95
Specific Conductivity	NE	µS/cm	375	311	329	339	339	345	0.31	994	937	0.862
Temperature	NE	deg c	18	21	16	25	25	14	17.6	14	16	17.2
Turbidity	NE	NTU	5.9	8.6	1.2	0.8	0.8	0.4	0.57	7.9	4	1.1

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-41S	MW-41S	MW-41S	MW-41S	MW-41S	MW-41S	MW-41S
			Well Screen Interval (ft bls):	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20
			Sample Collection Date:	02/13/2020	09/24/2020	03/15/2021	03/15/2021	10/14/2021	03/14/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units				(DUP)				
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	10 U	27.5	10.0 U	10.0 U	8.3 U	8.3 U	9.1 U
2-Methylnaphthalene	NE	µg/L	10 U	40.6	10.0 U	10.0 U	8.3 U	8.3 U	9.1 U
Acenaphthene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	8.3 U	9.1 U
Acenaphthylene	NE	µg/L	10 U	15.6	10.0 U	10.0 U	8.3 U	8.3 U	9.1 U
Anthracene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	8.3 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	8.3 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	10 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	8.3 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	8.3 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	8.3 U	9.1 U
Chrysene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	8.3 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	8.3 U	9.1 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	8.3 U	9.1 U
Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	8.3 U	9.1 U
Fluorene	NE	µg/L	10 U	2.5 J	10.0 U	10.0 U	8.3 U	8.3 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	8.3 U	9.1 U
Phenanthrene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	8.3 U	9.1 U
Pyrene	NE	µg/L	10 U	10 U	10.0 U	10.0 U	8.3 U	8.3 U	9.1 U
Field Parameters										
Dissolved Oxygen	NE	mg/L	0.33	0.44	0.44	0.17	0.21	0.97	0.3
Eh	NE	mV	430	281	281	247	362	255	--
Oxidation-Reduction Potential	NE	mV	225	76	76	42	157	50	5.8
pH	NE	SU	5.4	5.57	5.57	5.38	5.41	5.46	5.53
Specific Conductivity	NE	µS/cm	120	132	132	136	135	146	0.137
Temperature	NE	deg c	17	19	19	15	22	17	19
Turbidity	NE	NTU	5.2	4.9	4.9	3.2	2.8	1.1	2.5

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-41TZ	MW-41TZ	MW-41TZ	MW-41TZ	MW-41TZ	MW-41TZ
	Well Screen Interval (ft bls):		45 - 55	45 - 55	45 - 55	45 - 55	45 - 55	45 - 55
	Sample Collection Date:		02/13/2020	09/24/2020	03/15/2021	10/14/2021	03/14/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 UJ	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U
2-Methylnaphthalene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U
Acenaphthene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U
Acenaphthylene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U
Anthracene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U
Benzo(A)Anthracene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U
Benzo(A)Pyrene	0.2	µg/L	9.9 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U
Benzo(G,H,I)Perylene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U
Benzo(K)Fluoranthene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U
Chrysene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U
Dibenzofuran	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U
Fluoranthene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U
Fluorene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U
Phenanthrene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U
Pyrene	NE	µg/L	9.9 U	10 U	10.0 U	8.3 U	9.1 U	10.0 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.47	1.32	2.18	0.39	0.68	2.18
Eh	NE	mV	139	138	151	-4	183	--
Oxidation-Reduction Potential	NE	mV	-66	-67	-54	-209	-22	-138
pH	NE	SU	7.2	11.4	11.81	7.66	7.5	7.29
Specific Conductivity	NE	µS/cm	1171	480	509	591	1142	0.99
Temperature	NE	deg c	16	20	15	25	16	17.3
Turbidity	NE	NTU	9.1	6.6	5.9	9.2	2.8	3.9

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-41TZL	MW-41TZL	MW-42BR	MW-42BR	MW-42BR	MW-42BR	MW-42BR	MW-42BR	MW-42BR
	Well Screen Interval (ft bls):		45 - 55	45 - 55	72 - 77	72 - 77	72 - 77	72 - 77	72 - 77	72 - 77	72 - 77
	Sample Collection Date:		02/13/2020	09/28/2020	02/12/2020	02/12/2020	09/21/2020	03/11/2021	09/07/2021	03/07/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units			(DUP)						
Volatile Organic Compounds (USEPA Method 8260)											
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)											
1-Methylnaphthalene	NE	µg/L	9.8 U	10 U	10 U	9.6 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
2-Methylnaphthalene	NE	µg/L	9.8 U	10 U	10 U	9.6 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Acenaphthene	NE	µg/L	9.8 U	10 U	10 U	9.6 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Acenaphthylene	NE	µg/L	9.8 U	10 U	10 U	9.6 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Anthracene	NE	µg/L	9.8 U	10 U	10 U	9.6 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	9.8 U	10 U	10 U	9.6 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	9.8 U	0.1 U	10 U	9.6 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	9.8 U	10 U	10 U	9.6 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	9.8 U	10 U	10 U	9.6 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	9.8 U	10 U	10 U	9.6 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Chrysene	NE	µg/L	9.8 U	10 U	10 U	9.6 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	9.8 U	10 U	10 U	9.6 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Dibenzofuran	NE	µg/L	9.8 U	10 U	10 U	9.6 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Fluoranthene	NE	µg/L	9.8 U	10 U	10 U	9.6 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Fluorene	NE	µg/L	9.8 U	10 U	10 U	9.6 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	9.8 U	10 U	10 U	9.6 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Phenanthrene	NE	µg/L	9.8 U	10 U	10 U	9.6 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Pyrene	NE	µg/L	9.8 U	10 U	10 U	9.6 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Field Parameters											
Dissolved Oxygen	NE	mg/L	0.25	0.57	0.21	0.21	1.09	0.26	0.42	0.33	0.23
Eh	NE	mV	61	97	130	130	143	200	63	61	--
Oxidation-Reduction Potential	NE	mV	-144	-108	-75	-75	-62	-5	-142	-144	32.3
pH	NE	SU	8.23	8.33	7.49	7.49	7.11	7.32	6.89	6.74	6.84
Specific Conductivity	NE	µS/cm	1070	942	223	223	175	219	174	131	158.4
Temperature	NE	deg c	17	21	17	17	21	19	23	19	20.1
Turbidity	NE	NTU	17	7.4	3	3	4.6	0.4	0.8	0.8	7.12

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-42S	MW-42S	MW-42S	MW-42S	MW-42S	MW-42S
			Well Screen Interval (ft bls):	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20
			Sample Collection Date:	02/13/2020	09/21/2020	03/11/2021	09/07/2021	03/07/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units							
Volatile Organic Compounds (USEPA Method 8260)									
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)									
1-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Acenaphthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Acenaphthylene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	10 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Chrysene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Fluorene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Phenanthrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Pyrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	8.3 U
Field Parameters									
Dissolved Oxygen	NE	mg/L	2.32	2.04	2.81	2.75	3.11	2.52
Eh	NE	mV	391	376	289	221	234	--
Oxidation-Reduction Potential	NE	mV	186	171	84	16	29	192.8
pH	NE	SU	5.06	5.16	5.17	4.4	4.89	5.5
Specific Conductivity	NE	µS/cm	106	113	117	115	105	99.3
Temperature	NE	deg c	18	20	21	22	20	20.4
Turbidity	NE	NTU	9.8	9.3	4.3	7.5	2.7	9.19

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-42TZ	MW-42TZ	MW-42TZ	MW-42TZ	MW-42TZ	MW-42TZ
	Well Screen Interval (ft bls):		50 - 55	50 - 55	50 - 55	50 - 55	50 - 55	50 - 55
	Sample Collection Date:		02/12/2020	09/21/2020	03/11/2021	09/07/2021	03/07/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Acenaphthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Acenaphthylene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	10 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Chrysene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Fluorene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Phenanthrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Pyrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	10.0 U	8.3 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	1.29	1.87	2.55	3.21	2.43	3.03
Eh	NE	mV	398	354	277	225	237	--
Oxidation-Reduction Potential	NE	mV	193	149	72	20	32	206
pH	NE	SU	5.67	5.65	5.6	5.27	5.16	5.16
Specific Conductivity	NE	µS/cm	163	131	131	133	121	134.2
Temperature	NE	deg c	17	20	19	21	19	19.3
Turbidity	NE	NTU	2.9	7.2	1.2	1.1	1.4	0.55

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-43BR	MW-43BR	MW-43BR	MW-43BR	MW-43BR	MW-43BR
	Well Screen Interval (ft bls):		110 - 115	110 - 115	110 - 115	110 - 115	110 - 115	110 - 115
	Sample Collection Date:		07/14/2020	09/23/2020	03/11/2021	09/07/2021	03/07/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	0.38 J	0.40 J	0.51 J	0.36 J
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	2.3	2.5	3.9	3.1
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	0.40 J	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	0.40 J	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	0.8 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
2-Methylnaphthalene	NE	µg/L	0.8 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Acenaphthene	NE	µg/L	0.5 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Acenaphthylene	NE	µg/L	0.5 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Anthracene	NE	µg/L	0.05 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	0.05 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	0.1 U	0.1 U	0.10 U	0.10 U	1.0 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	0.05 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	0.2 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	0.2 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Chrysene	NE	µg/L	0.1 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	0.15 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Fluoranthene	NE	µg/L	0.3 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Fluorene	NE	µg/L	0.31 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	0.05 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Phenanthrene	NE	µg/L	0.2 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Pyrene	NE	µg/L	0.1 U	10 U	10.0 U	8.3 U	9.1 U	8.3 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.46	0.51	0.71	0.61	0.36	0.29
Eh	NE	mV	193	201	174	-80	148	--
Oxidation-Reduction Potential	NE	mV	-12	-4	-31	-285	-57	-115
pH	NE	SU	10.08	10.21	9.62	8.72	8.64	7.75
Specific Conductivity	NE	µS/cm	311	295	270	275	262	295.5
Temperature	NE	deg c	21	21	17	22	20	17.4
Turbidity	NE	NTU	13.4	9.6	9.8	9.4	9.1	2.1

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-43S	MW-43S	MW-43S	MW-43S	MW-43S	MW-43S
			Well Screen Interval (ft bls):	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20
			Sample Collection Date:	07/14/2020	09/23/2020	03/11/2021	09/07/2021	03/07/2022	09/27/2022
	SCDHEC MCL (R.61-58)	Units							
Volatile Organic Compounds (USEPA Method 8260)									
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)									
1-Methylnaphthalene	NE	µg/L	0.8 U	10 U	10.0 U	9.1 U	9.1 U	10.0 U
2-Methylnaphthalene	NE	µg/L	0.8 U	10 U	10.0 U	9.1 U	9.1 U	10.0 U
Acenaphthene	NE	µg/L	0.5 U	10 U	10.0 U	9.1 U	9.1 U	10.0 U
Acenaphthylene	NE	µg/L	0.5 U	10 U	10.0 U	9.1 U	9.1 U	10.0 U
Anthracene	NE	µg/L	0.05 U	10 U	10.0 U	9.1 U	9.1 U	10.0 U
Benzo(A)Anthracene	NE	µg/L	0.05 U	10 U	10.0 U	9.1 U	9.1 U	10.0 U
Benzo(A)Pyrene	0.2	µg/L	0.1 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	0.05 U	10 U	10.0 U	9.1 U	9.1 U	10.0 U
Benzo(G,H,I)Perylene	NE	µg/L	0.2 U	10 U	10.0 U	9.1 U	9.1 U	10.0 U
Benzo(K)Fluoranthene	NE	µg/L	0.2 U	10 U	10.0 U	9.1 U	9.1 U	10.0 U
Chrysene	NE	µg/L	0.1 U	10 U	10.0 U	9.1 U	9.1 U	10.0 U
Dibenzo(A,H)Anthracene	NE	µg/L	0.15 U	10 U	10.0 U	9.1 U	9.1 U	10.0 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	10.0 U
Fluoranthene	NE	µg/L	0.3 U	10 U	10.0 U	9.1 U	9.1 U	10.0 U
Fluorene	NE	µg/L	0.31 U	10 U	10.0 U	9.1 U	9.1 U	10.0 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	0.05 U	10 U	10.0 U	9.1 U	9.1 U	10.0 U
Phenanthrene	NE	µg/L	0.2 U	10 U	10.0 U	9.1 U	9.1 U	10.0 U
Pyrene	NE	µg/L	0.1 U	10 U	10.0 U	9.1 U	9.1 U	10.0 U
Field Parameters									
Dissolved Oxygen	NE	mg/L	0.74	0.84	0.42	2.31	0.2	1.82
Eh	NE	mV	278	309	187	202	203	--
Oxidation-Reduction Potential	NE	mV	73	104	-18	-3	-2	158.4
pH	NE	SU	5.71	5.73	6.56	5.45	6.48	4.97
Specific Conductivity	NE	µS/cm	102	98	326	102	247	98.6
Temperature	NE	deg c	19	20	17	19	17	18.5
Turbidity	NE	NTU	18.3	9.5	9.3	9.2	26	59.3

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-43TZ	MW-43TZ	MW-43TZ	MW-43TZ	MW-43TZ	MW-43TZ	MW-43TZ	MW-43TZ	MW-43TZ
			Well Screen Interval (ft bls):	61 - 71	61 - 71	61 - 71	61 - 71	61 - 71	61 - 71	61 - 71	61 - 71	61 - 71
			Sample Collection Date:	07/14/2020	07/14/2020	09/23/2020	03/11/2021	03/11/2021	09/07/2021	09/07/2021	03/07/2022	09/28/2022
	SCDHEC MCL (R.61-58)	Units		(DUP)			(DUP)			(DUP)		
Volatile Organic Compounds (USEPA Method 8260)												
1,2-Dichlorobenzene	600	µg/L		1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L		1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L		1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L		1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L		2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L		1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L		1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L		1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L		1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L		1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L		1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)												
1-Methylnaphthalene	NE	µg/L		0.01 J	0.8 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U	8.3 U
2-Methylnaphthalene	NE	µg/L		0.8 U	0.8 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U	8.3 U
Acenaphthene	NE	µg/L		0.5 U	0.5 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U	8.3 U
Acenaphthylene	NE	µg/L		0.5 U	0.5 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U	8.3 U
Anthracene	NE	µg/L		0.05 U	0.05 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U	8.3 U
Benzo(A)Anthracene	NE	µg/L		0.05 U	0.05 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L		0.1 U	0.1 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L		0.05 U	0.05 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L		0.2 U	0.2 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L		0.2 U	0.2 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U	8.3 U
Chrysene	NE	µg/L		0.1 U	0.1 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L		0.15 U	0.15 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U	8.3 U
Dibenzofuran	NE	µg/L		10 U	10 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U	8.3 U
Fluoranthene	NE	µg/L		0.3 U	0.3 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U	8.3 U
Fluorene	NE	µg/L		0.31 U	0.31 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L		0.05 U	0.05 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U	8.3 U
Phenanthrene	NE	µg/L		0.2 U	0.2 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U	8.3 U
Pyrene	NE	µg/L		0.1 U	0.1 U	10 U	10.0 U	10.0 U	8.3 U	9.1 U	9.1 U	8.3 U
Field Parameters												
Dissolved Oxygen	NE	mg/L		0.33	0.33	1.4	1.41	1.41	1.77	1.77	0.52	0.55
Eh	NE	mV		304	304	341	226	226	132	132	233	--
Oxidation-Reduction Potential	NE	mV		99	99	136	21	21	-73	-73	28	151.2
pH	NE	SU		5.97	5.97	6.02	6.25	6.25	5.74	5.74	6.13	6.21
Specific Conductivity	NE	µS/cm		364	364	157	134	134	127	127	114	97.3
Temperature	NE	deg c		20	20	18	17	17	20	20	18	17
Turbidity	NE	NTU		17	17	7.3	2	2	1.3	1.3	1.2	6.8

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-44BR	MW-44BR	MW-44BR	MW-44BR	MW-44BR	MW-44BR
	Well Screen Interval (ft bls):		50 - 60	50 - 60	50 - 60	50 - 60	50 - 60	50 - 60
	Sample Collection Date:		07/14/2020	09/28/2020	03/10/2021	10/14/2021	03/10/2022	10/04/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	0.75 J	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	0.044 J	10 U	10.0 U	10.0 U	10.0 U	8.7 U
2-Methylnaphthalene	NE	µg/L	0.057 J	10 U	10.0 U	10.0 U	10.0 U	8.7 U
Acenaphthene	NE	µg/L	1 U	10 U	10.0 U	10.0 U	10.0 U	8.7 U
Acenaphthylene	NE	µg/L	1 U	10 U	10.0 U	10.0 U	10.0 U	8.7 U
Anthracene	NE	µg/L	0.1 U	10 U	10.0 U	10.0 U	10.0 U	8.7 U
Benzo(A)Anthracene	NE	µg/L	0.1 U	10 U	10.0 U	10.0 U	10.0 U	8.7 U
Benzo(A)Pyrene	0.2	µg/L	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	0.1 U	10 U	10.0 U	10.0 U	10.0 U	8.7 U
Benzo(G,H,I)Perylene	NE	µg/L	0.4 U	10 U	10.0 U	10.0 U	10.0 U	8.7 U
Benzo(K)Fluoranthene	NE	µg/L	0.4 U	10 U	10.0 U	10.0 U	10.0 U	8.7 U
Chrysene	NE	µg/L	0.2 U	10 U	10.0 U	10.0 U	10.0 U	8.7 U
Dibenzo(A,H)Anthracene	NE	µg/L	0.3 U	10 U	10.0 U	10.0 U	10.0 U	8.7 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	10.0 U	10.0 U	8.7 U
Fluoranthene	NE	µg/L	0.6 U	10 U	10.0 U	10.0 U	10.0 U	8.7 U
Fluorene	NE	µg/L	0.62 U	10 U	10.0 U	10.0 U	10.0 U	8.7 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	0.1 U	10 U	10.0 U	10.0 U	10.0 U	8.7 U
Phenanthrene	NE	µg/L	0.4 U	10 U	10.0 U	10.0 U	10.0 U	8.7 U
Pyrene	NE	µg/L	0.2 U	10 U	10.0 U	10.0 U	10.0 U	8.7 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.11	0.25	0.29	0.66	0.72	1.52
Eh	NE	mV	240	94	250	185.9	246	--
Oxidation-Reduction Potential	NE	mV	35	-111	45	-19.1	41	422.6
pH	NE	SU	9.15	8.99	9.8	9.66	9.89	10.74
Specific Conductivity	NE	µS/cm	205	188	196	162	168	0.22
Temperature	NE	deg c	26	20	21	19.4	15	18.3
Turbidity	NE	NTU	131	27.4	27.8	9.83	9.1	4.08

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-44TZ	MW-44TZ	MW-44TZ	MW-44TZ	MW-44TZ	MW-44TZ
			Well Screen Interval (ft bls):	20 - 25	20 - 25	20 - 25	20 - 25	20 - 25	20 - 25
			Sample Collection Date:	07/14/2020	09/28/2020	03/10/2021	10/14/2021	03/10/2022	10/04/2022
	SCDHEC MCL (R.61-58)	Units							
Volatile Organic Compounds (USEPA Method 8260)									
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)									
1-Methylnaphthalene	NE	µg/L	0.8 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Acenaphthene	NE	µg/L	0.5 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Acenaphthylene	NE	µg/L	0.5 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	0.05 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	10 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	0.2 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	0.2 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Chrysene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Fluorene	NE	µg/L	0.31 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	0.05 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Phenanthrene	NE	µg/L	0.2 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Pyrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Field Parameters									
Dissolved Oxygen	NE	mg/L	4.14	4.21	3.89	2.74	3.7	5.7
Eh	NE	mV	344	452	272	386	268	--
Oxidation-Reduction Potential	NE	mV	139	247	67	181	63	222.8
pH	NE	SU	5.32	4.91	5.28	5.41	5.34	5.67
Specific Conductivity	NE	µS/cm	43	54	59	72.3	59	0.065
Temperature	NE	deg c	19	20	20	19.2	16	18.1
Turbidity	NE	NTU	1	1.66	0.2	0.58	7.7	4.6

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-45BR	MW-45BR	MW-45BR	MW-45BR	MW-45BR	MW-45BR	MW-45BR
			Well Screen Interval (ft bls):	80 - 90	80 - 90	80 - 90	80 - 90	80 - 90	80 - 90	80 - 90
			Sample Collection Date:	07/15/2020	09/24/2020	03/16/2021	09/09/2021	10/14/2021	03/15/2022	10/03/2022
	SCDHEC MCL (R.61-58)	Units								
Volatile Organic Compounds (USEPA Method 8260)										
1,2-Dichlorobenzene	600	µg/L	5 U	2 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U
1,4-Dichlorobenzene	75	µg/L	5 U	2 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U
Benzene	5	µg/L	**158**	**155**	**142**	**121**	**141**	**114**	**74.3**
Ethylbenzene	700	µg/L	27.5	19.4	16.6	16.1	16.1	23.6	15.6
m,p-Xylenes	NE	µg/L	26.7	17.1	13.7	13.4	13.2	19.6	11.7
Naphthalene	25	µg/L	**498**	**309**	**172**	**158**	**153**	**340**	**215**
O-Xylene	NE	µg/L	15.9	11.6	9.6	8.8	8.5	12.0	7.3
p-Isopropyltoluene	NE	µg/L	5 U	2 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U
Styrene	100	µg/L	14.5	9.5	6.9	5.3	5.4	6.1	3.3
Toluene	1000	µg/L	60.1	47.2	40.7	33.6	36.7	34.2	25.2
Total Xylenes	10000	µg/L	42.6	28.7	23.3	22.2	21.7	31.6	19.1
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)										
1-Methylnaphthalene	NE	µg/L	54.3	47.6	6.8 J	12.0	7.0 J	17.0	7.8 J
2-Methylnaphthalene	NE	µg/L	74.4	64.8	8.3 J	16.0	8.6 J	22.8	9.9 J
Acenaphthene	NE	µg/L	19.5	14.8	2.3 J	3.6 J	2.4 J	6.4 J	2.9 J
Acenaphthylene	NE	µg/L	17.9	10.7	10.0 U	2.4 J	1.8 J	2.9 J	10.0 U
Anthracene	NE	µg/L	0.32	10 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U
Benzo(A)Anthracene	NE	µg/L	0.05 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U
Benzo(A)Pyrene	0.2	µg/L	0.1 U	1 U	0.10 U	**0.21**	1.0 U	1.0 U	1.0 U
Benzo(B)Fluoranthene	NE	µg/L	0.05 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U
Benzo(G,H,I)Perylene	NE	µg/L	0.2 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U
Benzo(K)Fluoranthene	NE	µg/L	0.2 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U
Chrysene	NE	µg/L	0.1 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U
Dibenzo(A,H)Anthracene	NE	µg/L	0.15 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U
Fluoranthene	NE	µg/L	0.14 J	10 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U
Fluorene	NE	µg/L	3.9	2.7 J	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	0.05 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U	10.0 U
Phenanthrene	NE	µg/L	2.1	10 U	10.0 U	3.4 J	9.1 U	9.1 U	10.0 U
Pyrene	NE	µg/L	0.14	10 U	10.0 U	2.2 J	9.1 U	9.1 U	10.0 U
Field Parameters										
Dissolved Oxygen	NE	mg/L	0.32	0.5	0.79	0.68	0.38	0.4	0.2
Eh	NE	mV	294	61	234	43	169	-11	--
Oxidation-Reduction Potential	NE	mV	89	-144	29	-162	-36	-216	20
pH	NE	SU	11.13	11.18	10.97	11.08	11.31	11.3	11.2
Specific Conductivity	NE	µS/cm	1043	845	693	752	815	814	0.779
Temperature	NE	deg c	22	18	8	21	20	16.5	18
Turbidity	NE	NTU	20.5	5.4	5.6	3.8	3.9	4.8	2.97

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-46BR	MW-46BR	MW-46BR	MW-46BR	MW-46BR	MW-46BR
	Well Screen Interval (ft bls):		170 - 180	170 - 180	170 - 180	170 - 180	170 - 180	170 - 180
	Sample Collection Date:		07/14/2020	09/24/2020	03/16/2021	10/14/2021	03/15/2022	10/03/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	5.1	2	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	2.6	1.5	1.0 U	0.33 J	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	5.1	3.1	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	132	86.8	11.4	8.0	3.8	3.4
O-Xylene	NE	µg/L	2.9	1.5	1.0 U	0.46 J	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	4.3	2.3	1.0 U	0.34 J	1.0 U	1.0 U
Toluene	1000	µg/L	9.6	4.7	0.82 J	0.79 J	1.0 U	1.0 U
Total Xylenes	10000	µg/L	8	4.6	1.0 U	0.46 J	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	77.3	36.6	10.0 U	10.0 U	9.5 U	10.0 U
2-Methylnaphthalene	NE	µg/L	131	61.9	10.0 U	10.0 U	9.5 U	10.0 U
Acenaphthene	NE	µg/L	6.5	3.1 J	10.0 U	10.0 U	9.5 U	10.0 U
Acenaphthylene	NE	µg/L	37.5	16.9	10.0 U	10.0 U	9.5 U	10.0 U
Anthracene	NE	µg/L	4.6	10 U	10.0 U	10.0 U	9.5 U	10.0 U
Benzo(A)Anthracene	NE	µg/L	0.05	10 U	10.0 U	10.0 U	9.5 U	10.0 U
Benzo(A)Pyrene	0.2	µg/L	0.1 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	0.05 U	10 U	10.0 U	10.0 U	9.5 U	10.0 U
Benzo(G,H,I)Perylene	NE	µg/L	0.2 U	10 U	10.0 U	10.0 U	9.5 U	10.0 U
Benzo(K)Fluoranthene	NE	µg/L	0.2 U	10 U	10.0 U	10.0 U	9.5 U	10.0 U
Chrysene	NE	µg/L	0.037 J	10 U	10.0 U	10.0 U	9.5 U	10.0 U
Dibenzo(A,H)Anthracene	NE	µg/L	0.15 U	10 U	10.0 U	10.0 U	9.5 U	10.0 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	10.0 U	9.5 U	10.0 U
Fluoranthene	NE	µg/L	1.8	10 U	10.0 U	10.0 U	9.5 U	10.0 U
Fluorene	NE	µg/L	20.4	9.1 J	10.0 U	10.0 U	9.5 U	10.0 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	0.05 U	10 U	10.0 U	10.0 U	9.5 U	10.0 U
Phenanthrene	NE	µg/L	30.9	18.7	10.0 U	10.0 U	9.5 U	10.0 U
Pyrene	NE	µg/L	2.7	2.6 J	10.0 U	10.0 U	9.5 U	10.0 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.41	0.44	0.3	0.36	0.46	0.28
Eh	NE	mV	269	109	54	115	-21	--
Oxidation-Reduction Potential	NE	mV	64	-96	-151	-90	-226	73.8
pH	NE	SU	8.46	8.8	8.75	8.76	8.74	8.32
Specific Conductivity	NE	µS/cm	477	325	284	297	273	0.236
Temperature	NE	deg c	26	19	12	22	16.5	18.3
Turbidity	NE	NTU	6.52	9.9	9.9	9.3	2.63	1.89

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-47BR	MW-47BR	MW-47BR	MW-47BR	MW-47BR	MW-47BR
	Well Screen Interval (ft bls):		110 - 120	110 - 120	110 - 120	110 - 120	110 - 120	110 - 120
	Sample Collection Date:		07/15/2020	09/24/2020	03/16/2021	10/14/2021	03/15/2022	10/03/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	10 U	10 U	10.0 U	12.5 U	12.5 U	25.0 U
1,4-Dichlorobenzene	75	µg/L	10 U	10 U	10.0 U	12.5 U	12.5 U	25.0 U
Benzene	5	µg/L	**226**	**203**	**194**	**214**	**148**	**167**
Ethylbenzene	700	µg/L	261	178	263	158	163	215
m,p-Xylenes	NE	µg/L	940	575	881	485	515	688
Naphthalene	25	µg/L	**1820**	**1100**	**1630**	**1330**	**1720**	**2620**
O-Xylene	NE	µg/L	477	335	499	289	282	353
p-Isopropyltoluene	NE	µg/L	10 U	10 U	10.0 U	12.5 U	13.6	25.0 U
Styrene	100	µg/L	88.4	57.1	73.6	60.3	53.6	75.9
Toluene	1000	µg/L	**1390**	**1200**	**1770**	**1160**	827	992
Total Xylenes	10000	µg/L	1420	911	1380	774	796	1040
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	160	72.5	63.9	135	89.5	141
2-Methylnaphthalene	NE	µg/L	269	112	97.9	204	130	237
Acenaphthene	NE	µg/L	10.3	3.6 J	3.1 J	6.6 J	4.3 J	7.2 J
Acenaphthylene	NE	µg/L	105	50.8	40.8	87.1	56.2	89.3
Anthracene	NE	µg/L	5	10 U	10.0 U	2.7 J	9.1 U	2.2 J
Benzo(A)Anthracene	NE	µg/L	0.15	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	0.1 U	1 U	0.10 U	2.0 U	1.0 U	1.0 U
Benzo(B)Fluoranthene	NE	µg/L	0.023 J	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	0.2 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	0.2 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Chrysene	NE	µg/L	0.1	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	0.15 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Dibenzofuran	NE	µg/L	1.8 J	2.3 J	10.0 U	4.5 J	2.5 J	4.9 J
Fluoranthene	NE	µg/L	1.9	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Fluorene	NE	µg/L	24.5	8.3 J	6.7 J	15.9	8.6 J	15.8
Indeno(1,2,3-cd)pyrene	NE	µg/L	0.05 U	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Phenanthrene	NE	µg/L	24.5	8.4 J	6.7 J	16.5	7.6 J	15.0
Pyrene	NE	µg/L	2.8	10 U	10.0 U	10.0 U	9.1 U	9.1 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.55	0.79	1.01	2.53	0.66	2.97
Eh	NE	mV	290	118	206	204	29	--
Oxidation-Reduction Potential	NE	mV	85	-87	1	-1	-176	36.8
pH	NE	SU	11.81	12.6	12.65	12.58	12.71	12.7
Specific Conductivity	NE	µS/cm	3465	4757	5814	4425	3980	3.6
Temperature	NE	deg c	22	20	11	19	12.1	16.4
Turbidity	NE	NTU	18.6	8.6	6.8	7.9	8.11	5.52

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-48S	MW-48S	MW-48S	MW-48S	MW-48S	MW-48S
			Well Screen Interval (ft bls):	15 - 30	15 - 30	15 - 30	15 - 30	15 - 30	15 - 30
			Sample Collection Date:	04/30/2020	09/29/2020	03/10/2021	10/13/2021	03/10/2022	10/03/2022
	SCDHEC MCL (R.61-58)	Units							
Volatile Organic Compounds (USEPA Method 8260)									
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)									
1-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	2.0 J
Acenaphthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Acenaphthylene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Anthracene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	10 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Chrysene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Fluorene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Phenanthrene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Pyrene	NE	µg/L	10 U	10 U	10.0 U	9.1 U	9.1 U	9.1 U
Field Parameters									
Dissolved Oxygen	NE	mg/L	0.51	0.25	0.36	0.31	0.46	2.1
Eh	NE	mV	415	192	260	222.6	237	--
Oxidation-Reduction Potential	NE	mV	210	-13	55	17.6	32	-7.8
pH	NE	SU	6.47	6.43	6.54	6.34	6.48	6.37
Specific Conductivity	NE	µS/cm	930	896	907	785	682	0.75
Temperature	NE	deg c	16	20	19	21.5	14	19.8
Turbidity	NE	NTU	5.2	7.9	7.9	2.44	9.9	0

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-48TZ	MW-48TZ	MW-48TZ	MW-48TZ	MW-48TZ	MW-48TZ
	Well Screen Interval (ft bls):		45 - 55	45 - 55	45 - 55	45 - 55	45 - 55	45 - 55
	Sample Collection Date:		04/30/2020	09/29/2020	03/10/2021	10/13/2021	03/10/2022	10/03/2022
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
2-Methylnaphthalene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	1.7 J
Acenaphthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Acenaphthylene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Benzo(A)Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Benzo(A)Pyrene	0.2	µg/L	10 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Benzo(G,H,I)Perylene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Benzo(K)Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Chrysene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Dibenzo(A,H)Anthracene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Dibenzofuran	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Fluoranthene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Fluorene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Phenanthrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Pyrene	NE	µg/L	10 U	10 U	10.0 U	8.3 U	8.3 U	9.1 U
Field Parameters								
Dissolved Oxygen	NE	mg/L	0.73	0.34	0.55	0.31	1.17	0.18
Eh	NE	mV	420	99	252	55	228	--
Oxidation-Reduction Potential	NE	mV	215	-106	47	-150	23	-115.2
pH	NE	SU	6.84	7.15	7.17	7.25	7.4	7.3
Specific Conductivity	NE	µS/cm	571	330	237	204	189	198.3
Temperature	NE	deg c	17	21	20	24	11	18.7
Turbidity	NE	NTU	5.1	3.5	5.5	8.76	3.9	0.1

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte	Well Location ID:		MW-49BR	MW-49BR	MW-49BR	MW-49BR	MW-49BR	MW-49BR
	Well Screen Interval (ft bls):		open to 117	open to 117	open to 117	open to 117	open to 117	open to 117
	Sample Collection Date:		02/24/2021	02/24/2021	03/01/2021	03/02/2021	03/03/2021	03/04/2021
	SCDHEC MCL (R.61-58)	Units						
Volatile Organic Compounds (USEPA Method 8260)								
1,2-Dichlorobenzene	600	µg/L	10.0 U	20.0 U	20.0 U	25.0 U	25.0 U	25.0 U
1,4-Dichlorobenzene	75	µg/L	10.0 U	20.0 U	20.0 U	25.0 U	25.0 U	25.0 U
Benzene	5	µg/L	**49.4**	**140**	**121**	**281**	**518**	**570**
Ethylbenzene	700	µg/L	46.6	20.1	95.3	134	200	208
m,p-Xylenes	NE	µg/L	22.0	29.9 J	45.3	64.2	104	105
Naphthalene	25	µg/L	**1600**	**1920**	**2590**	**2470**	**4050**	**4240**
O-Xylene	NE	µg/L	15.4	21.8	30.1	43.0	67.4	70.5
p-Isopropyltoluene	NE	µg/L	10.0 U	20.0 U	20.0 U	25.0 U	25.0 U	25.0 U
Styrene	100	µg/L	6.1 J	37.0	20.0 U	25.0 U	25.0 U	8.9 J
Toluene	1000	µg/L	23.6	135	37.9	36.7	74.8	87.3
Total Xylenes	10000	µg/L	37.4	51.8	75.4	107	172	176
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)								
1-Methylnaphthalene	NE	µg/L	304	440	409	565	446	459
2-Methylnaphthalene	NE	µg/L	502	724	672	962	771	791
Acenaphthene	NE	µg/L	95.7	47.4 J	150	223	176	173
Acenaphthylene	NE	µg/L	115	357	66.0	71.3	63.3	70.1
Anthracene	NE	µg/L	10.7	69.2	9.6 J	12.8	10.2	11.7
Benzo(A)Anthracene	NE	µg/L	10.0 U	29.9 J	10.0 U	10.0 U	10.0 U	10.0 U
Benzo(A)Pyrene	0.2	µg/L						
Benzo(B)Fluoranthene	NE	µg/L	10.0 U	15.0 J	10.0 U	10.0 U	10.0 U	10.0 U
Benzo(G,H,I)Perylene	NE	µg/L	10.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzo(K)Fluoranthene	NE	µg/L	10.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chrysene	NE	µg/L	10.0 U	19.6 J	10.0 U	10.0 U	10.0 U	10.0 U
Dibenzo(A,H)Anthracene	NE	µg/L	10.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibenzofuran	NE	µg/L	15.9	33.3 J	16.3	21.8	17.7	19.3
Fluoranthene	NE	µg/L	4.2 J	78.1	3.1 J	4.4 J	3.2 J	3.6 J
Fluorene	NE	µg/L	61.7	142	61.4	81.6	64.8	71.0
Indeno(1,2,3-cd)pyrene	NE	µg/L	10.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Phenanthrene	NE	µg/L	74.4	353	65.1	86.6	67.4	74.6
Pyrene	NE	µg/L	7.4 J	136	5.2 J	6.9 J	5.2 J	5.9 J
Field Parameters								
Dissolved Oxygen	NE	mg/L	1.34	7.9	0.37	0.38	0.1	0.05
Eh	NE	mV	154	164.8	132.2	110	60	56
Oxidation-Reduction Potential	NE	mV	-51	-40.2	-72.8	-95	-145	-149
pH	NE	SU	6.16	6.14	5.9	6.1	6.4	6.4
Specific Conductivity	NE	µS/cm	229.3	335	250	281	315	322
Temperature	NE	deg c	17.6	20.1	16.6	16.5	16.7	16.8
Turbidity	NE	NTU	2.27	99.2	4.23	4.56	7.94	8.22

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Analyte			Well Location ID:	MW-50S	MW-50S	MW-50S	MW-50S	MW-50TZ	MW-50TZ	MW-50TZ	MW-50TZ
			Well Screen Interval (ft bls):	5 - 15	5 - 15	5 - 15	5 - 15	29 - 34	29 - 34	29 - 34	29 - 34
			Sample Collection Date:	03/31/2021	10/14/2021	03/09/2022	09/27/2022	03/31/2021	10/14/2021	03/09/2022	09/27/2022
	SCDHEC MCL (R.61-58)	Units									
Volatile Organic Compounds (USEPA Method 8260)											
1,2-Dichlorobenzene	600	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylenes	NE	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Naphthalene	25	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
O-Xylene	NE	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NE	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	10000	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Polycyclic Aromatic Hydrocarbons (USEPA Method 8270)											
1-Methylnaphthalene	NE	µg/L	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	10.0 U	10.0 U	8.3 U
2-Methylnaphthalene	NE	µg/L	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	10.0 U	10.0 U	8.3 U
Acenaphthene	NE	µg/L	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	10.0 U	10.0 U	8.3 U
Acenaphthylene	NE	µg/L	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	10.0 U	10.0 U	8.3 U
Anthracene	NE	µg/L	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	10.0 U	10.0 U	8.3 U
Benzo(A)Anthracene	NE	µg/L	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	10.0 U	10.0 U	8.3 U
Benzo(A)Pyrene	0.2	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(B)Fluoranthene	NE	µg/L	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	10.0 U	10.0 U	8.3 U
Benzo(G,H,I)Perylene	NE	µg/L	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	10.0 U	10.0 U	8.3 U
Benzo(K)Fluoranthene	NE	µg/L	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	10.0 U	10.0 U	8.3 U
Chrysene	NE	µg/L	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	10.0 U	10.0 U	8.3 U
Dibenzo(A,H)Anthracene	NE	µg/L	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	10.0 U	10.0 U	8.3 U
Dibenzofuran	NE	µg/L	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	10.0 U	10.0 U	8.3 U
Fluoranthene	NE	µg/L	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	10.0 U	10.0 U	8.3 U
Fluorene	NE	µg/L	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	10.0 U	10.0 U	8.3 U
Indeno(1,2,3-cd)pyrene	NE	µg/L	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	10.0 U	10.0 U	8.3 U
Phenanthrene	NE	µg/L	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	10.0 U	10.0 U	8.3 U
Pyrene	NE	µg/L	10.0 U	10.0 U	9.1 U	10.0 U	10.0 U	10.0 U	10.0 U	8.3 U
Field Parameters											
Dissolved Oxygen	NE	mg/L	0.26	2.32	2.59	1.53	4.93	3.35	2.47	2.48
Eh	NE	mV	255	362	261	--	254	345	268	--
Oxidation-Reduction Potential	NE	mV	50	157	56	202	49	140	63	156.4
pH	NE	SU	6.22	5.58	5.66	5.03	5.6	5.3	5.36	5.21
Specific Conductivity	NE	µS/cm	209	155	120	0.121	158	151	150	0.164
Temperature	NE	deg c	17	23.2	15	19	19	20.2	17	19
Turbidity	NE	NTU	26.6	28.4	9.5	4.31	12.8	2.22	5.38	1.56

TABLE C-1
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS (2019-2022)
Former Bramlette MGP Site
Greenville, South Carolina

Notes:

mg/L - milligrams per liter
µg/L - micrograms per liter
ft bls - feet below land surface
J - estimated value
R - rejected due to serious deficiencies in ability to analyze the sample and meet quality control criteria
U - analyte not detected about quantitation limit; reporting limit shown
UJ - analyte not detected above quantitation limit but reported quantitation limit is approximate
DUP - indicates duplicate sample collection
SU - standard pH units
µS/cm - micro-siemens per centimeter
mV - milli-volt
NTU - nephelometric turbidity unit
SCDHEC - South Carolina Department of Health and Environmental Control
MCL - maximum contaminant level
Bold/shaded value indicates that the concentration exceeds the SCDHEC (R. 61-58) MCL.
Red shaded date cells indicates a sample was collected during the September/October 2022 sampling event.

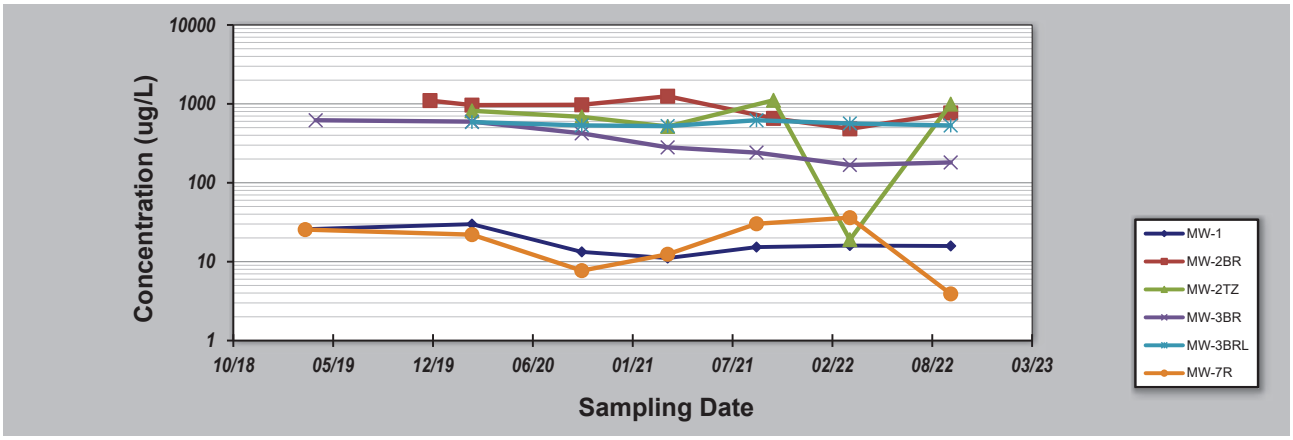
APPENDIX D

MANN-KENDALL TREND ANALYSES

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	22-Nov-22	Job ID:	FR7559C
Facility Name:	Bramlette MGP	Constituent:	Benzene
Conducted By:	Fabio Fortes	Concentration Units:	ug/L

Sampling Point ID:	MW-1	MW-2BR	MW-2TZ	MW-3BR	MW-3BRL	MW-7R
Sampling Event	Sampling Date	BENZENE CONCENTRATION (ug/L)					
1	Mar-19	25.8					25.5
2	Apr-19				620		
3	Nov-19		1100				
4	Feb-20	29.9	964	817	595	588	22.0
5	Sep-20	13.3	973	684	423	533	7.7
6	Mar-21	11.1	1250	517	281	523	12.4
7	Sep-21	15.3			241	620	30.2
8	Oct-21		655	1110			
9	Mar-22	16.0	482	19.0	168	564	36.1
10	Oct-22	15.8	767	994	181	532	3.9
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.38	0.30	0.57	0.53	0.07	0.61
Mann-Kendall Statistic (S):		-3	-9	-1	-19	-3	-1
Confidence Factor:		61.4%	88.1%	50.0%	99.9%	64.0%	50.0%
Concentration Trend:		Stable	Stable	Stable	Decreasing	Stable	Stable



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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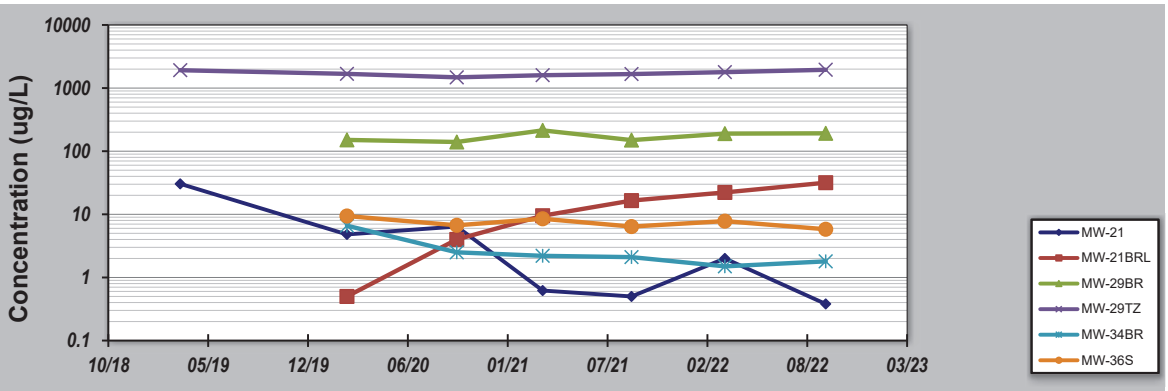
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	22-Nov-22	Job ID:	FR7559C
Facility Name:	Bramlette MGP	Constituent:	Benzene
Conducted By:	Fabio Fortes	Concentration Units:	ug/L

Sampling Point ID:	MW-21	MW-21BRL	MW-29BR	MW-29TZ	MW-34BR	MW-36S	
Sampling Event	Sampling Date	BENZENE CONCENTRATION (ug/L)						
1	Mar-19	30.4			1920.0			
2	Apr-19							
3	Nov-19							
4	Feb-20	4.8	0.5	151.0	1680.0	6.6	9.4	
5	Sep-20	6.4	4.0	140.0	1480.0	2.5	6.7	
6	Mar-21	0.6	9.5	214.0	1600.0	2.2	8.5	
7	Sep-21	0.5	16.5	150.0	1670.0	2.1	6.4	
8	Oct-21							
9	Mar-22	2.0	22.2	190.0	1790.0	1.5	7.8	
10	Oct-22	0.4	31.7	192.0	1950.0	1.8	5.8	
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		1.68	0.83	0.17	0.10	0.68	0.18	
Mann-Kendall Statistic (S):		-15	15	5	5	-13	-9	
Confidence Factor:		98.5%	99.9%	76.5%	71.9%	99.2%	93.2%	
Concentration Trend:		Decreasing	Increasing	No Trend	No Trend	Decreasing	Prob. Decreasing	



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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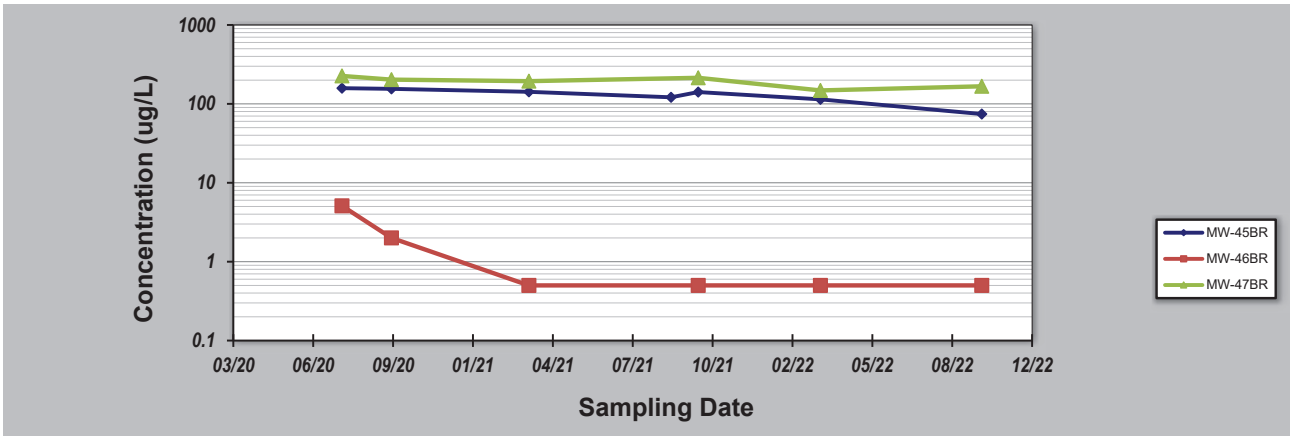
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	22-Nov-22	Job ID:	FR7559C
Facility Name:	Bramlette MGP	Constituent:	Benzene
Conducted By:	Fabio Fortes	Concentration Units:	ug/L

Sampling Point ID:	MW-45BR	MW-46BR	MW-47BR				
Sampling Event	Sampling Date	BENZENE CONCENTRATION (ug/L)						
1	Jul-20	158.0	5.1	226.0				
2	Sep-20	155.0	2.0	203.0				
3	Feb-21							
4	Mar-21	142.0	0.5	194.0				
5	Sep-21	121.0						
6	Oct-21	141.0	0.5	214.0				
7	Mar-22	114.0	0.5	148.0				
8	Oct-22	74.3	0.5	167.0				
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.23	1.22	0.15				
Mann-Kendall Statistic (S):		-19	-9	-9				
Confidence Factor:		99.9%	93.2%	93.2%				
Concentration Trend:		Decreasing	Prob. Decreasing	Prob. Decreasing				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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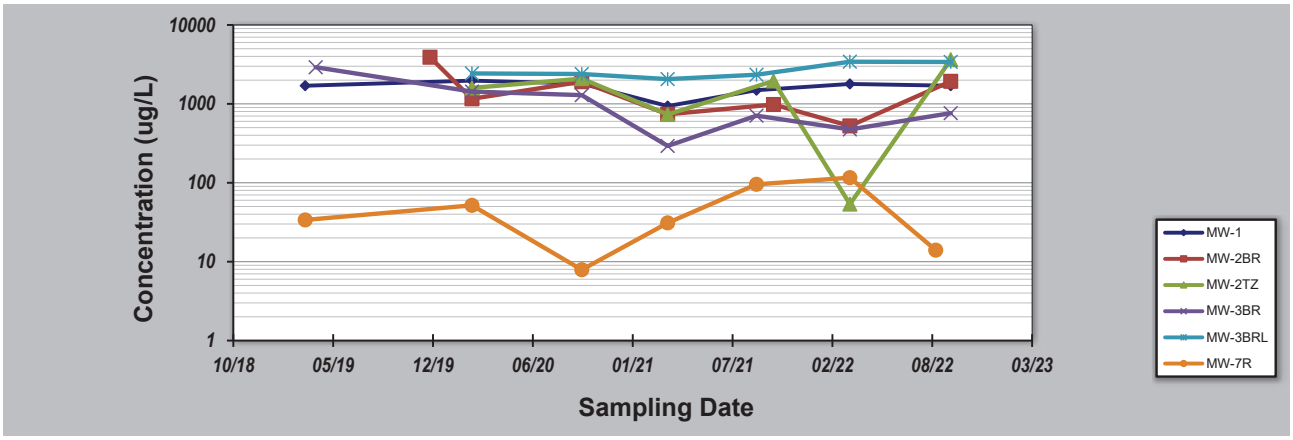
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	22-Nov-22	Job ID:	FR7559C
Facility Name:	Bramlette MGP	Constituent:	Naphthalene
Conducted By:	Fabio Fortes	Concentration Units:	ug/L

Sampling Point ID:	MW-1	MW-2BR	MW-2TZ	MW-3BR	MW-3BRL	MW-7R
Sampling Event	Sampling Date	NAPHTHALENE CONCENTRATION (ug/L)					
1	Mar-19	1700					33.8
2	Apr-19				2910		
3	Nov-19		3900				
4	Feb-20	1970	1160	1590	1430	2430	51.7
5	Sep-20	1810	1910	2090	1290	2390	7.9
6	Mar-21	938	738	732	293	2060	31.0
7	Sep-21	1490			708	2340	95.6
8	Oct-21		981	1950.0			
9	Mar-22	1790	525	53.6	474	3420	116
10	Sep-22						14.0
11	Oct-22	1700	1930	3630	763	3400	
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.21	0.72	0.74	0.79	0.22	0.82
Mann-Kendall Statistic (S):		-4	-7	1	-11	3	3
Confidence Factor:		66.7%	80.9%	50.0%	93.2%	64.0%	61.4%
Concentration Trend:		Stable	Stable	No Trend	Prob. Decreasing	No Trend	No Trend



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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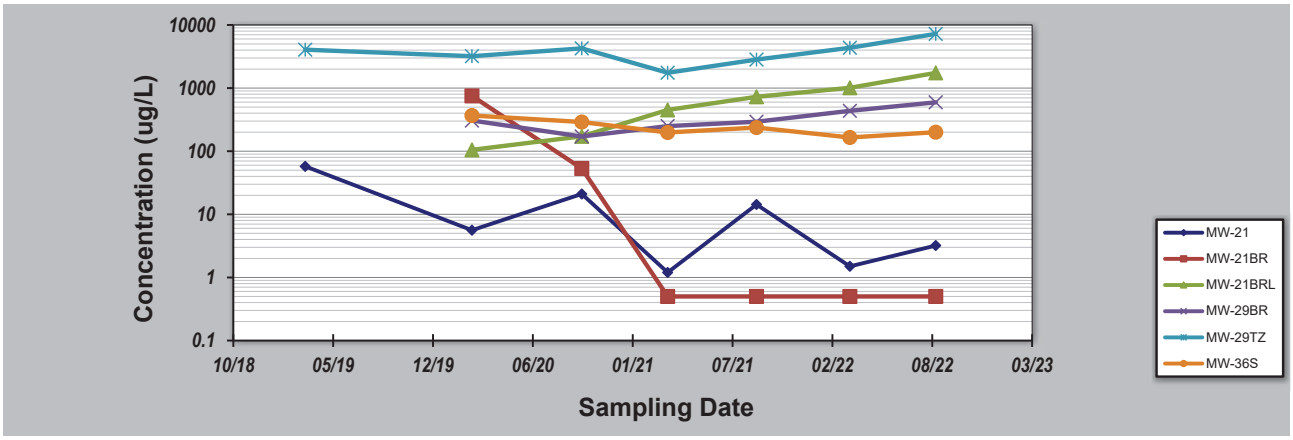
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	22-Nov-22	Job ID:	FR7559C
Facility Name:	Bramlette MGP	Constituent:	Naphthalene
Conducted By:	Fabio Fortes	Concentration Units:	ug/L

Sampling Point ID:	MW-21	MW-21BR	MW-21BRL	MW-29BR	MW-29TZ	MW-36S
Sampling Event	Sampling Date	NAPHTHALENE CONCENTRATION (ug/L)					
1	Mar-19	57.5				4060	
2	Apr-19						
3	Nov-19						
4	Feb-20	5.6	752	105	306	3200	368
5	Sep-20	21.0	53.3	172	171	4260	290
6	Mar-21	1.2	0.5	451	250	1750	198
7	Sep-21	14.3	0.5	727	293	2830	237
8	Oct-21						
9	Mar-22	1.5	0.5	1010	436	4350	165
10	Sep-22	3.2	0.5	1740	595	7220	200
11	Oct-22						
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		1.35	2.25	0.87	0.44	0.43	0.31
Mann-Kendall Statistic (S):		-9	-9	15	9	7	-9
Confidence Factor:		88.1%	93.2%	99.9%	93.2%	80.9%	93.2%
Concentration Trend:		No Trend	Prob. Decreasing	Increasing	Prob. Increasing	No Trend	Prob. Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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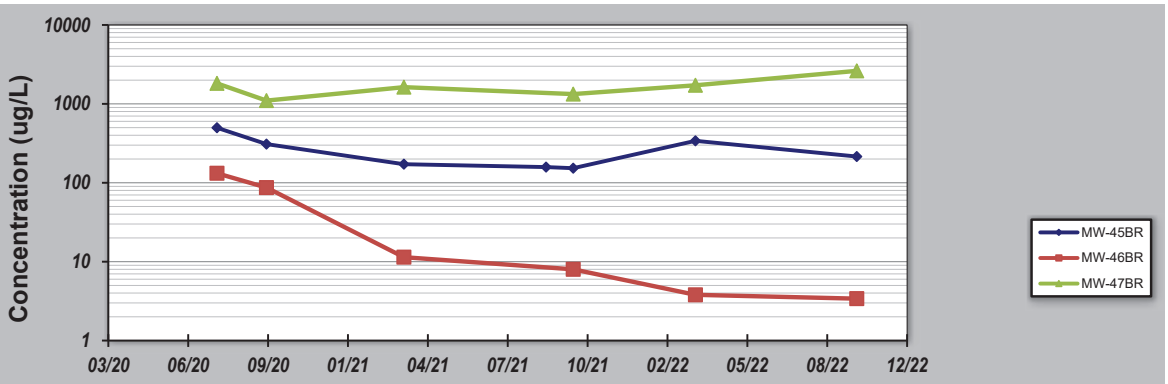
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	22-Nov-22	Job ID:	FR7559C
Facility Name:	Bramlette MGP	Constituent:	Naphthalene
Conducted By:	Fabio Fortes	Concentration Units:	ug/L

Sampling Point ID:	MW-45BR	MW-46BR	MW-47BR				
Sampling Event	Sampling Date	NAPHTHALENE CONCENTRATION (ug/L)						
1	Jul-20	498	132	1820				
2	Sep-20	309	86.8	1100				
3	Feb-21							
4	Mar-21	172	11.4	1630				
5	Sep-21	158						
6	Oct-21	153	8.0	1330				
7	Mar-22	340	3.8	1720				
8	Oct-22	215	3.4	2620				
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.48	1.35	0.31				
Mann-Kendall Statistic (S):		-7	-15	5				
Confidence Factor:		80.9%	99.9%	76.5%				
Concentration Trend:		Stable	Decreasing	No Trend				



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