

526 South Church Street Mail Code EC13K Charlotte, NC 28202

> o: 980.373.2663 c: 704.497.3627 f: 000.000.0000

July 7, 2022

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

SUBJECT: Quarterly Progress Report – Second Quarter 2022 Former Bramlette Manufactured Gas Plant 400 East Bramlette Road Greenville, South Carolina VCC 16-5857-RP

Dear Mr. Cassidy:

This Quarterly Progress Report pertaining to the Former Bramlette Manufactured Gas Plant (MGP) site has been prepared in accordance with the requirements of the Responsible Party Voluntary Cleanup Contract (VCC 16-5857-RP) between Duke Energy Carolinas, LLC (Duke Energy) and the South Carolina Department of Health and Environmental Control (SCDHEC), dated July 29, 2016. As required in the VCC, this Quarterly Progress Report summarizes:

- Work performed during the reporting period
- Test and sampling results generated during the reporting period
- Environmental problems experienced during the reporting period and their resolution
- Work to be performed during the next reporting period

The work was conducted in accordance with the Interim Surface Water Best Management Practice Work Plan approved on March 31, 2021.

Work Performed During this Reporting Period

Work performed associated with the second quarter (April 1 through June 30, 2022) is summarized in the table below. A site layout map is included as Figure 1.

Date	RI Activity
April 15, 2022	Quarterly Progress Report – First Quarter 2022 – Submitted
April through June 2022	Surface Water Best Management Practice (BMP) Inspections – Turbidity curtain, rock check dams and concrete cloth were inspected twice per month.

Summary of Test and Sampling Results Generated During this Reporting Period

Hydrographs of groundwater level measurements in wells instrumented with data logging pressure transducers are provided in Figure 2 through Figure 5. Observations from these hydrographs include:

- Groundwater elevation measurements since 2021 at the MW-29 well cluster indicate seasonality with highest elevations generally measured in the Spring and lowest elevation in measured in the Fall (Figure 2).
- Groundwater elevations measured in MW-45BR show a sharp reduction and recovery in water level in March 2021, September 2021, October 2021 (resampling event due to laboratory fire) and March 2022. Those measurements correspond to removal and replacement of the transducer during groundwater monitoring events (Figure 3).
- Groundwater elevation measurements since 2019 at the MW-3 well cluster indicate seasonality with highest elevation generally measured in March and lowest elevation measured in September (Figure 4).
- Groundwater elevation measurements from monitoring wells located along the Swamp Rabbit Train correlate to Reedy River stage elevation, indicating connectivity between groundwater and surface water (Figure 5).

Environmental Problems Identified During Reporting Period and their Resolution

No problems were identified during this reporting period.

Work to be Performed During the Next Reporting Period (third quarter 2022)

The following activities are scheduled to be conducted during the third quarter of 2022 (July 1 through September 30, 2022). The proposed schedule is subject to change based on safe work practices, weather conditions, site access, availability of subcontractors, and other unforeseen delays. Field work notifications will be provided in accordance with the VCC and access agreements.

Proposed Date	RI Activity
September 5-16, 2022	Perform site-wide groundwater and surface water semiannual monitoring (event #6)
Quarter 3, 2022	Download and redeploy data logging pressure transducers
Quarter 3, 2022	Inspect and maintain Surface Water BMPs per approved work plan

If you have any questions regarding this submittal, please contact me at 980.373.2663 or by email at **Richard.Powell2@duke-energy.com**.

Sincerely,

Richard C. Powell

Richard E. Powell, P.G. Lead Environmental Specialist

- Cc: Kevin Boland, CSXT Daniel Schmitt, Esq., CSXT Ty Houck, Greenville County William W. Brown, Legacy School Properties, LLC Lee Drago, SynTerra
- ATTACHMENTS: Figure 1 Site Layout Map Figure 2 – MW-29 Cluster Hydrographs Figure 3 – Vaughn Landfill Hydrographs Figure 4 – MW-03 Cluster Hydrographs Figure 5 – Reedy River Well Hydrographs

FIGURES









