

October 14, 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 – Third 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.

Please be advised that during August/September 2022 Duke Energy has transitioned primary environmental and engineering contracting work to Geosyntec Consultants from SynTerra.

Work Performed During this Reporting Period

Work performed associated with the third quarter (July 1 through September 30, 2022) is summarized in the table below. A site layout map is included as **Figure 1**.

Date	Activity
July 7, 2022	Quarterly Progress Report – second quarter 2022 – Submitted
July through September 2022	Surface Water Best Management Practice (BMP) Inspections – Turbidity curtain, rock check dams, and concrete cloth were inspected twice per month. Inspections conducted July 11, July 25, August 8, August 22, September 8, and September 26.
August 19, 2022	Feasibility Study Work Plan – Submitted to SCDHEC
September 26, 2022	Water level elevation measurement collection (semi-annual monitoring event)
September 27-30, 2022	Groundwater and surface water sample collection (semi-annual monitoring event)

Summary of Test and Sampling Results Generated During this Reporting Period

Test and sampling results for work performed during the third quarter (July 1 through September 30, 2022) are summarized below:

- Groundwater samples were collected from 44 monitoring wells for analysis of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). The remaining wells will be sampled during the week of October 3, 2022);
- Surface water samples were collected from 9 of 17 routine surface water locations for analysis of VOCs and SVOCs. No surface water was present at 8 of the routine surface water sample locations within portions of the ditch system (SW-1, SW-5, SW-6, SW-13, SW-14, SW-15, SW-16, and SW-17);
- Laboratory analytical data are not available at the time of this progress report submittal and are anticipated to be received during October 2022. The analytical data will be presented in the fourth quarter 2022 Progress Report.

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 (fourth quarter 2022)

The following activities are scheduled to be conducted during the fourth quarter of 2022 (October 1 through December 31, 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	Activity
October 2022	Quarterly Progress Report – Submittal during third quarter 2022
October 3-5, 2022	Complete groundwater sample collection for semi-annual event
October 5, 2022	Download and redeploy data logging pressure transducers

October 2022	Perform non-aqueous phase liquid (NAPL) drawdown-recovery field test at well MW-49BR
Quarter 3 2022	Inspect and maintain surface water BMPs per approved Work Plan (twice monthly)
December 2022	Submit annual comprehensive monitoring report

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,

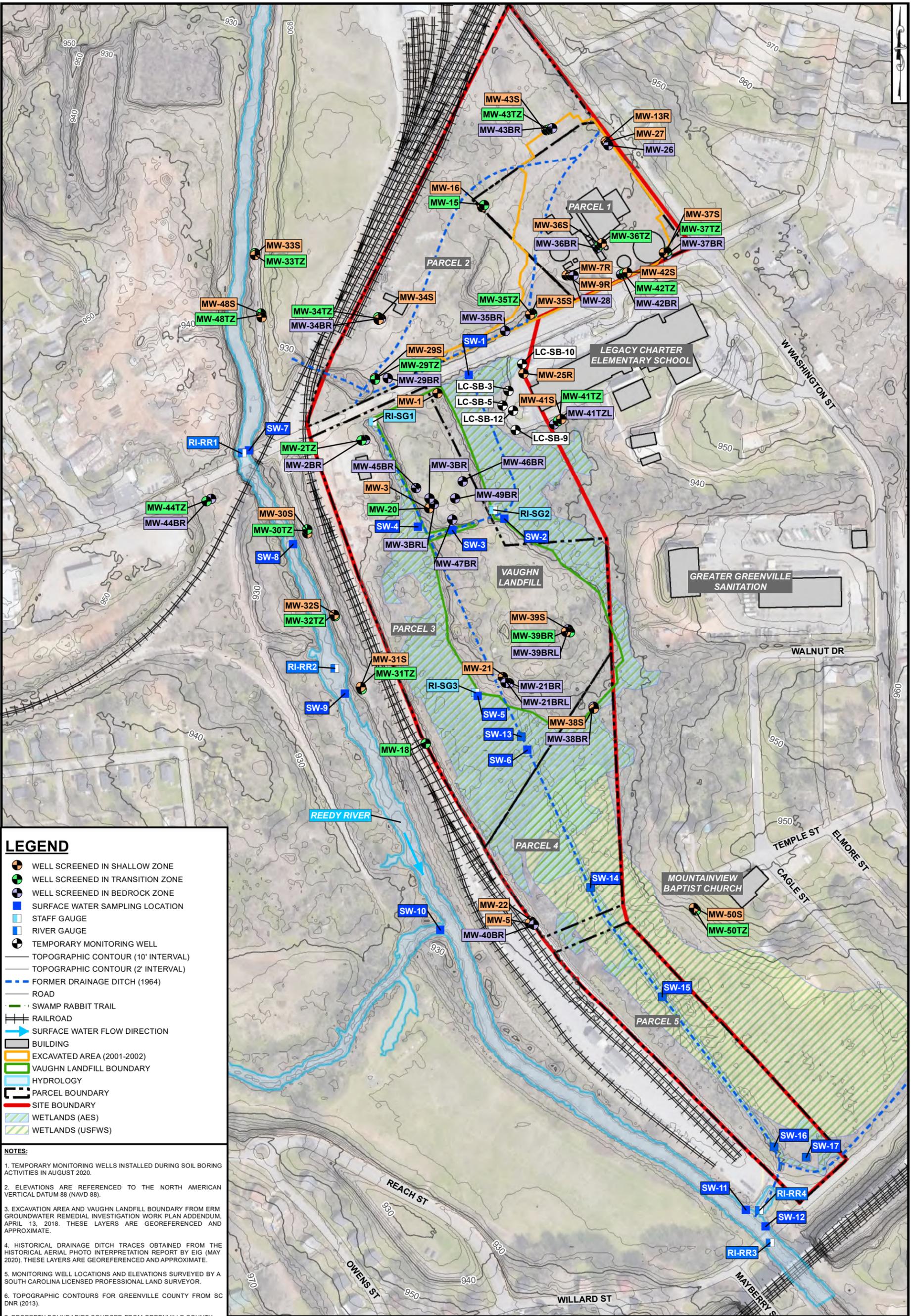
Richard E. Powell

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
Andrew Brey, Geosyntec

ATTACHMENTS: Figure 1 – Site Layout Map

FIGURE



LEGEND

- WELL SCREENED IN SHALLOW ZONE
- WELL SCREENED IN TRANSITION ZONE
- WELL SCREENED IN BEDROCK ZONE
- SURFACE WATER SAMPLING LOCATION
- STAFF GAUGE
- RIVER GAUGE
- TEMPORARY MONITORING WELL
- TOPOGRAPHIC CONTOUR (10' INTERVAL)
- TOPOGRAPHIC CONTOUR (2' INTERVAL)
- FORMER DRAINAGE DITCH (1964)
- ROAD
- SWAMP RABBIT TRAIL
- RAILROAD
- SURFACE WATER FLOW DIRECTION
- BUILDING
- EXCAVATED AREA (2001-2002)
- VAUGHN LANDFILL BOUNDARY
- HYDROLOGY
- PARCEL BOUNDARY
- SITE BOUNDARY
- WETLANDS (AES)
- WETLANDS (USFWS)

- NOTES:**
1. TEMPORARY MONITORING WELLS INSTALLED DURING SOIL BORING ACTIVITIES IN AUGUST 2020.
 2. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).
 3. EXCAVATION AREA AND VAUGHN LANDFILL BOUNDARY FROM ERM GROUNDWATER REMEDIAL INVESTIGATION WORK PLAN ADDENDUM, APRIL 13, 2018. THESE LAYERS ARE GEOREFERENCED AND APPROXIMATE.
 4. HISTORICAL DRAINAGE DITCH TRACES OBTAINED FROM THE HISTORICAL AERIAL PHOTO INTERPRETATION REPORT BY EIG (MAY 2020). THESE LAYERS ARE GEOREFERENCED AND APPROXIMATE.
 5. MONITORING WELL LOCATIONS AND ELEVATIONS SURVEYED BY A SOUTH CAROLINA LICENSED PROFESSIONAL LAND SURVEYOR.
 6. TOPOGRAPHIC CONTOURS FOR GREENVILLE COUNTY FROM SC DNR (2013).
 7. PROPERTY BOUNDARIES SOURCED FROM GREENVILLE COUNTY.
 8. WETLANDS (USFWS) BY US FISH AND WILDLIFE NATIONAL WETLAND INVENTORY. WETLANDS (AES) DELINEATED BY APPLIED ENGINEERING AND SCIENCE, INC. IN 1999.
 9. SWAMP RABBIT TRAIL CENTERLINE FROM CITY OF GREENVILLE.
 10. AERIAL PHOTOGRAPHY OBTAINED FROM GOOGLE EARTH PRO ON MAY 3, 2019. AERIAL WAS COLLECTED ON MARCH 12, 2018.
 11. DRAWING HAS BEEN SET WITH A PROJECTION OF SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM FIPS 3900 (NAD83 INTERNATIONAL FEET).

GRAPHIC SCALE

125 0 125 250

(IN FEET)

October 2022

FIGURE 1
SITE LAYOUT MAP
QUARTERLY PROGRESS REPORT
FORMER BRAMLETTE MGP SITE
EAST BRAMLETTE ROAD
GREENVILLE, SOUTH CAROLINA