July 22, 2020

Mr. Greg Cassidy, Brownfields Project Manager
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 2020
Former Bramlette Manufactured Gas Plant
400 East Bramlette Road
Greenville, South Carolina
VCC 16-5857-RP

Dear Mr. Cassidy:

This Quarterly Progress Report has been prepared for the referenced site in accordance with the requirements of the Responsible Party Voluntary Cleanup Contract (VCC 16-5857-RP) between Duke Energy Carolinas (Duke Energy) and the South Carolina Department of Health and Environmental Control (SCDHEC), dated July 29, 2016.

The following sections provide a summary of 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, and work to be performed during the next reporting period. Monitoring wells were installed in accordance with SCDHEC Monitoring Well Approval MW-12085, dated August 6, 2019, pursuant to the provisions of South Carolina Well Standards R.61-71. The work was conducted in accordance with the July 2, 2019 Remedial Investigation Work Plan Addendum (RIWP-A) submitted by Duke Energy and approved by the SCDHEC on August 6, 2019.

Work Performed During the Reporting Period
A Remedial Investigation (RI) Report was submitted to SCDHEC on June 26, 2020. Based on results of the investigation through submittal of the RI Report, installation of additional monitoring wells was recommended to complete delineation of the horizontal and vertical extent of MGP-related constituents in affected media in accordance with the VCC. Upon completion of additional assessment activities, an RI Report Addendum will be prepared and submitted to SCDHEC.
Activities performed during the second quarter (April 1 through June 30, 2020) included the following:

<table>
<thead>
<tr>
<th>Date</th>
<th>RI Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 2020</td>
<td><strong>Sediment Sampling:</strong> Collected sediment samples from location SW-17 for analysis of volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs).</td>
</tr>
<tr>
<td>April 2020</td>
<td><strong>Groundwater Sampling:</strong> Collected groundwater samples from monitoring wells MW-40BR, MW-48S, and MW-48TZ for analysis of VOCs and SVOCs.</td>
</tr>
<tr>
<td>May 2020</td>
<td><strong>Water Level/Data Loggers:</strong> Installed data loggers removed from MW-26/MW-27 cluster on MGP parcel during March 2020 in MW-33S/MW-33TZ cluster adjacent to the Reedy River.</td>
</tr>
<tr>
<td>May 2020</td>
<td><strong>Monitoring Well Installation (Rotary Sonic):</strong> Installed surface casings for monitoring wells MW-35BR and MW-43BR (Parcel 2). Installed and developed monitoring wells MW-43S and MW-43TZ (Parcel 2). Monitoring well locations are shown on Figure 1.</td>
</tr>
<tr>
<td>June 2020</td>
<td><strong>Monitoring Well Installation (Rotary Sonic):</strong> Installed and developed monitoring wells MW-35BR and MW-43BR (Parcel 2); MW-38S and MW-38BR (Parcel 4); MW-44TZ and MW-44BR (west of Reedy River); and MW-45BR through MW-47BR (Parcel 3). Monitoring well locations are shown on Figure 1.</td>
</tr>
<tr>
<td>June 2020</td>
<td><strong>Monitoring Well Abandonment:</strong> Abandoned monitoring well MW-02 (Figure 1) by a South Carolina certified well driller per S.C. Code Section 40-23-10 et seq. to facilitate REWA sewer project. The monitoring well abandonment form is provided in Attachment A.</td>
</tr>
<tr>
<td>June 2020</td>
<td><strong>Soil Borings:</strong> Drilled soil borings RI-SB-13 through RI-SB-16 in the wetlands on Legacy Charter School property adjacent to Parcel 3. Soil boring locations are shown on Figure 1.</td>
</tr>
<tr>
<td>June 2020</td>
<td><strong>Water Levels:</strong> Downloaded water levels from data loggers installed in monitoring wells in the MGP Source Area (MW-26 and MW-27), Vaughn Landfill (MW-03BR and MW-20), and along the Reedy River/Swamp Rabbit Trail (MW-31S and MW-31TZ).</td>
</tr>
</tbody>
</table>

**Summary of Test and Sampling Results Generated During Reporting Period**

A summary of the test and sampling results for work performed during the second quarter (April 1 through June 30, 2020) is provided below:

- Laboratory analytical results for sediment and groundwater samples collected during April 2020 were included in the June 26, 2020 RI Report.
- Monitoring well construction details are listed in Table 1.
- NAPL was observed in soil during drilling and installation of monitoring wells MW-35BR and MW-46BR.
NAPL was observed in the drilling fluid return from the screened interval during drilling and installation of monitoring wells MW-45BR through MW-47BR.

NAPL was observed from land surface to the top of saprolite (approximately 13 to 14 feet bls) in soil borings RI-SB-13 through RI-SB-16.

Monitoring well and soil boring logs will be prepared and included in the RI Report Addendum.

Time series hydrographs showing water level data are included for the MGP Parcel (Figure 2), adjacent to the Reedy River (Figures 3 and 4), and the Vaughn landfill (Figure 4). Observations from the data include:
  - Vertical gradients within the MW-26/MW-27 well cluster on the MGP parcel (Parcel 1) and MW-20/MW-03BR cluster in the Vaughn landfill (Parcel 3) are generally slightly downward.
  - Vertical gradients within the MW-31S/MW-31TZ and MW-33S/MW-33TZ well clusters are minimal and vary from upward to downward.
  - Vertical gradient information suggests the Reedy River can act as a gaining stream or a losing stream based on precipitation and ground saturation.

**Environmental Problems Identified During Reporting Period and Their Resolution**

Environmental conditions encountered during the second quarter (April 1 through June 30, 2020) which resulted in variation from the proposed scope of work included:

- Partially weathered rock was encountered at a shallow depth at the MW-44 monitoring well cluster; therefore, no monitoring well was installed in the shallow zone. Monitoring wells were installed in the transition and bedrock flow zones.

- A minimal thickness of partially weathered rock was encountered at the MW-38 well cluster; therefore, no monitoring well was installed in the transition zone. Monitoring wells were installed in the shallow and bedrock flow zones.

**Work to be Performed During the Next Reporting Period (Third Quarter 2020)**

The following activities are scheduled to be conducted during the third quarter of 2020 (July 1 through September 30, 2020). 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.

- Survey location and elevation of newly installed monitoring wells and soil borings – July 2020

- Slug testing of newly installed monitoring wells – July 2020
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- Groundwater monitoring of newly installed monitoring wells – July 2020
- Routine groundwater monitoring well gauging to measure presence or absence of NAPL within monitoring wells
- Download and monitor water level transducers/data loggers in monitoring wells and Reedy River stage from a United States Geological Survey (USGS) stream gaging station located downstream of the site – Monthly
- Submit a workplan for ditch assessment to complete delineation of the extent of VOCs and SVOCs in historical ditches associated with the MGP – August 2020

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
    Mike Ruhe, Duke Energy Carolinas, LLC
    Todd Plating, SynTerra

Enclosures:

Figures

- Figure 1 – Site Layout Map
- Figure 2 – MGP Source Area (Parcel 1) Hydrographs (MW-26/MW-27)
- Figure 3 – Reedy River (Swamp Rabbit Trail) Hydrographs (MW-31S/MW-31TZ)
- Figure 4 – Reedy River (Swamp Rabbit Trail) Hydrographs (MW-33S/MW-33TZ)
- Figure 5 – Vaughn Landfill Area (Parcel 3) Hydrographs (MW-20/MW-03BR)

Tables

- Table 1 – Monitoring Well Construction Details

Attachment A – Well Abandonment Form
FIGURES
ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL Datum 88 (NAVD 88).

SURFACE WATER LOCATIONS, FORMER DRAINAGE DITCHES, ROADWAY, BRIDGE, AND VAUGHN LANDFILL BOUNDARY FROM 2001-2002 DRAINAGE SURVEY WITH ADDENDUM.

SURFACE WATER LOCATIONS ARE GEOREFERENCED AND EXTRACTED FROM 2001-2002 DRAINAGE SURVEY WITH ADDENDUM.

MONITORING WELL LOCATIONS AND ELEVATIONS SURVEYED BY SOUTH CAROLINA LICENSED PROFESSIONAL LAND SURVEYOR.

TOPOGRAPHIC CONTOURS FOR GREENVILLE COUNTY SOURCED FROM SOUTH CAROLINA LICENSED PROFESSIONAL LAND SURVEYOR.

PROPERTY BOUNDARIES SOURCED FROM GREENVILLE COUNTY.

SWAMP RABBIT TRAIL CENTERLINE FROM CITY OF GREENVILLE.

DRAWING HAS BEEN SET WITH A PROJECTION OF SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM FIPS 3900 (NAD83 INTERNATIONAL DATUM 95).

WETLANDS (USFWS) BY USFWS NATIONAL WETLAND MONITORING WELL LOCATIONS AND ELEVATIONS SURVEYED BY STAFF GAUGE.

WETLANDS (AES) DELINEATED BY APPLIED ENGINEERING INVENTORY. WETLANDS (AES) DELINEATED BY APPLIED ENGINEERING INVENTORY.

GROUNDWATER REMEDIAL INVESTIGATION WORK PLAN ADDENDUM, APPROXIMATE.

AERIAL PHOTOGRAPHY OBTAINED FROM GOOGLE EARTH PRO ON MAY 8, 2019. AERIAL WAS COLLECTED ON MARCH 12, 2018.

TOPOGRAPHIC CONTOUR (2' INTERVAL)
TOPOGRAPHIC CONTOUR (10' INTERVAL)

NOTES:

DATE: 07/09/2020

FIGURE 1
SITE LAYOUT MAP (JUNE 2020)
FORMER BRAMLETTE MGP SITE
EAST BRAMLETTE ROAD
GREENVILLE, SOUTH CAROLINA
MGP Source Area (Parcel 1)

- Precipitation (inches per day)
- MW-26
- MW-27
- Staff Gage (feet)
- Data Cutoff

**FIGURE 2**
MGP SOURCE AREA (PARCEL 1) HYDROGRAPHS
FORMER BRAMLETTE MGP SITE
REMEDIAL INVESTIGATION REPORT
EAST BRAMLETTE ROAD
GREENVILLE, SOUTH CAROLINA
Reedy River (Swamp Rabbit Trail)

Precipitation (inches per day)

MW-31TZ
MW-31S
Staff Gage (feet)

Time

Water Level (elevation in feet - NAD83)

916
918
920
922
924
926
928
930

920
922
924
926
928
930

Staff Gage at Reedy River Near Greenville, SC (feet)

0
2
4
6
8
10
12

0
1
2
3
4
5
6
7
8
9
10
11
12

FIGURE 3
REEDY RIVER (SWAMP RABBIT TRAIL) HYDROGRAPHS
FORMER BRAMLETTE MGP SITE
REMEDIAL INVESTIGATION REPORT
EAST BRAMLETTE ROAD
GREENVILLE, SOUTH CAROLINA
Reedy River North (Swamp Rabbit Trail)

Water Level (elevation in feet - NAD83)

Precipitation (inches per day)

MW-33TZ

MW-33S

Staff Gage (feet)

Time

FIGURE 4
REDEY RIVER (SWAMP RABBIT TRAIL) HYDROGRAPHS
FORMER BRAMLETTE MGP SITE
REMEDIAL INVESTIGATION REPORT
EAST BRAMLETTE ROAD
GREENVILLE, SOUTH CAROLINA
FIGURE 5
VAUGHN LANDFILL AREA (PARCEL 3) HYDROGRAPHS
FORMER BRAMLETTE MGP SITE
REMEDIAL INVESTIGATION REPORT
EAST BRAMLETTE ROAD
GREENVILLE, SOUTH CAROLINA

Water Level (elevation in feet - NAD83)

Time

Precipitation (inches per day)
MW-03BR
MW-20
Staff Gage (feet)
Tables
### TABLE 1
**MONITORING WELL AND SOIL BORING CONSTRUCTION DETAILS**
**QUARTERLY PROGRESS REPORT - SECOND QUARTER 2020**
**FORMER BRAMLETTE MGP SITE**
**DUKE ENERGY CAROLINAS, LLC, GREENVILLE, SC**
**VCC 16-5857-RP**

<table>
<thead>
<tr>
<th>Location</th>
<th>Well/Boring ID</th>
<th>Installation Date</th>
<th>Total Depth (ft bls)</th>
<th>Surface Casing (ft bls)</th>
<th>Screened Interval Top (ft bls)</th>
<th>Screened Interval Bottom (ft bls)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Downgradient of Source Area (Parcel 2)</td>
<td>MW-35BR</td>
<td>6/4/2020</td>
<td>150</td>
<td>49</td>
<td>140</td>
<td>150</td>
</tr>
<tr>
<td>South of Vaughn Landfill (Parcel 4 - near east property line adjacent to private properties)</td>
<td>MW-38S</td>
<td>6/17/2020</td>
<td>20</td>
<td>NA</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>MW-38BR</td>
<td>6/17/2020</td>
<td>49</td>
<td>24</td>
<td>42</td>
<td>47</td>
</tr>
<tr>
<td>North of Parcel 1 Fence (Parcel 2)</td>
<td>MW-43S</td>
<td>5/29/2020</td>
<td>20</td>
<td>NA</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>MW-43TZ</td>
<td>5/29/2020</td>
<td>71</td>
<td>NA</td>
<td>61</td>
<td>71</td>
</tr>
<tr>
<td></td>
<td>MW-43BR</td>
<td>6/2/2020</td>
<td>115</td>
<td>78</td>
<td>110</td>
<td>115</td>
</tr>
<tr>
<td>West of Reedy River</td>
<td>MW-44TZ</td>
<td>6/23/2020</td>
<td>25</td>
<td>NA</td>
<td>20</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>MW-44BR</td>
<td>6/24/2020</td>
<td>60</td>
<td>39</td>
<td>50</td>
<td>60</td>
</tr>
<tr>
<td>Bedrock Wells Adjacent to MW-3BL (Parcel 3)</td>
<td>MW-45BR</td>
<td>6/11/2020</td>
<td>100</td>
<td>70</td>
<td>80</td>
<td>90</td>
</tr>
<tr>
<td></td>
<td>MW-46BR</td>
<td>6/18/2020</td>
<td>180</td>
<td>70</td>
<td>170</td>
<td>180</td>
</tr>
<tr>
<td></td>
<td>MW-47BR</td>
<td>6/9/2020</td>
<td>120</td>
<td>70</td>
<td>110</td>
<td>120</td>
</tr>
<tr>
<td>Soil Borings in Wetlands on Legacy Charter School Property (adjacent to Parcel 3)</td>
<td>RI-SB-13</td>
<td>6/30/2020</td>
<td>15</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>RI-SB-14</td>
<td>6/30/2020</td>
<td>15</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>RI-SB-15</td>
<td>6/30/2020</td>
<td>15</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>RI-SB-16</td>
<td>6/30/2020</td>
<td>15</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

**Notes:**
- All depths are approximate.
- Surface casing is 6-inch diameter, Schedule 80 PVC
- Screen is 2-inch diameter, 0.010-inch slot, Schedule 40 PVC
- ft bls - feet below land surface

Prepared by: MM  Checked by: TDP
ATTACHMENT A

WELL ABANDONMENT FORM
1. WELL OWNER INFORMATION:
Name: DUKE ENERGY CAROLINAS, LLC (last) (first)
Address: 526 SOUTH CHURCH STREET
City: CHARLOTTE State: NC Zip: 28202
Telephone: Work: Home:

2. LOCATION OF WELL: SC COUNTY: GREENVILLE
Name: CSX TRAMLETT
Street Address: 400 EAST BRAMLETT ROAD
City: GREENVILLE Zip: 29601
Latitude: 34.8606093 Longitude: -82.4203446

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:
MW-2

4. ABANDONMENT: ☐ Yes ☐ No
Grouded Depth: from 0.0 ft. to 15.0 ft.
Formation Description
ABANDONED VIA TRENCH PIPE
WITH PORTLAND BENTONITE

5. REMARKS:
2.5 GALLONS PORTLAND BENTONITE

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored
☐ Dug ☐ Air Rotary ☐ Driven
☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: 06/11/20
15.0 ft. Date Completed: 06/11/20

10. CASING: ☐ Threaded ☐ Welded Height: Above Below
Diam.: _____________________ Type: ☐ PVC ☐ Galvanized
Steel ☐ Other
Surface _____________________ ft.
Weight _____________________ lb./ft.
_______ in. to _________ ft. depth
_______ in. to _________ ft. depth
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: _____________________ Diam.: _____________________
Siv/Gauge: _____________________ Length: _____________________
Set Between: _________ ft. and _________ ft. NOTE: MULTIPLE SCREENS
USE SECOND SHEET
Sieve Analysis: ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
__________ ft. after _________ hrs. Pumping _________ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____________________

14. WATER QUALITY
Chemical Analysis: ☐ Yes ☐ No Bacterial Analysis: ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☐ No
Installed from _________ ft. to _________ ft.
Effective size _____________________ Uniformity Coefficient _____________________

16. WELL GROUTED? ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other
Depth: From _________ ft. to _________ ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _________ ft. _________ direction
Type
Well Disinfected: ☐ Yes ☐ No Type: _________ Amount: _________

18. PUMP:
Mfr. Name: _____________________ Model No.: _____________________
H.P.: _________ Volts _________ Length of drop pipe _________ ft. Capacity _________ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine
☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: KENNY SARGENT CERT. NO.: 02135
Address: (Print) Level: A ☐ B ☐ C ☐ D (circle one)
176 COMMERCE BLVD
STATESVILLE, NC 28625
Telephone No.: 704-872-7686 Fax No.: 704-872-0248

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
my direction and this report is true to the best of my knowledge and belief.

Signed: _____________________ Date: 07/17/20

Well Driller

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)
**Water Well Record**

**Bureau of Water**

2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

---

**1. WELL OWNER INFORMATION:**

- **Name:** DUKE ENERGY CAROLINAS, LLC (last) (first)
- **Address:** 526 SOUTH CHURCH STREET
- **City:** CHARLOTTE  State: NC  Zip: 28202
- **Telephone:** Work:  Home:

---

**2. LOCATION OF WELL:**

- **State:** SC  **COUNTY:** GREENVILLE
- **Name:** CSXT BRAMLETT
- **Street Address:** 400 EAST BRAMLETT ROAD
- **City:** GREENVILLE  Zip: 29601
- **Latitude:** 34° 51' 39.44"  **Longitude:** 82° 25' 09.74"

---

**3. PUBLIC SYSTEM NAME:**  **PUBLIC SYSTEM NUMBER:** RI-SB-13

---

**4. ABANDONMENT:**  
- **Yes**  **No**

- **Grouted Depth:** from 0.0 ft. to 15.0 ft.

---

**5. REMARKS:**

---

**6. TYPE:**
- Mud Rotary
- Jetted
- Bored
- Dug
- Air Rotary
- Driven
- Cable tool
- Other

---

**7. PERMIT NUMBER:**

**8. USE:**
- Residential
- Public Supply
- Process
- Irrigation
- Air Conditioning
- Emergency
- Test Well
- Monitor Well
- Replacement

---

**9. WELL DEPTH (completed):**
- **Date Started:** 06/30/20
- **Date Completed:** 06/30/20

- **15.0 ft.**

---

**10. CASING:**
- **Threaded**  **Welded**

- **Height:** Above  **Below**

- **Type:**  **PVC**  **Galvanized**  **Steel**  **Other**

- **Surface:**

- **Weight:**

- **In. to ft. depth:**

- **Drive Shoe:**  **Yes**  **No**

---

**11. SCREEN:**
- **Type:**

- **Diam.:**

- **Std./Gauge:**

- **Length:**

- **Set Between:**

- **ft. and**  **ft.**

- **NOTE:** MULTIPLE SCREENS

- **ft. and**  **ft.**

- **USE SECOND SHEET**

- **Sieve Analysis:**  **Yes**  **Please enclose**  **No**

---

**12. STATIC WATER LEVEL:**

- **ft. below land surface after 24 hours**

---

**13. PUMPING LEVEL BELOW LAND SURFACE:**

- **ft. after**

- **hrs. Pumping**

- **G.P.M.**

- **Pumping Test:**  **Yes**  **Please enclose**  **No**

- **Yield:**

---

**14. WATER QUALITY**

- **Chemical Analysis:**  **Yes**  **No**

- **Bacterial Analysis:**  **Yes**  **No**

- **Please enclose lab results.**

---

**15. ARTIFICIAL FILTER (filter pack):**
- **Yes**  **No**

- **Installed from**

- **ft. to**

- **Effective size**

- **Uniformity Coefficient**

---

**16. WELL GROUTED:**
- **Yes**  **No**

- **Heat Cement**  **Bentonite**  **Bentonite/Cement**  **Other**

- **Depth:**

- **From**

- **ft. to**

---

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:**

- **ft.**  **direction**

- **Type**

- **Well Disinfected:**  **Yes**  **No**

- **Type:**

- **Amount:**

---

**18. PUMP:**

- **Date installed:**

- **Not Installed**

- **Mfr. Name:**

- **Model No.:**

- **H.P.**  **Volts**  **Length of drop pipe**

- **Capacity**

- **gpm**

- **TYPE:**

- **Submersible**  **Jet (shallow)**  **Turbine**  **Jet (deep)**

- **Reciprocating**  **Centrifugal**

---

**19. WELL DRILLER:**

- **KENNY SARGENT**

- **CERT. NO.: 02135**

- **Address: (P.O.)**

- **Level:**

- **176 COMMERCE BLVD**

- **STATESVILLE, NC 28625**

- **Telephone No.: 704-872-7686**

- **Fax No.: 704-872-0248**

---

**20. WATER WELL DRILLER’S CERTIFICATION:**

This well was drilled under my direction and this report is true to the best of my knowledge and belief.

**Signed:**

**Date:** 07/17/20

**Well Driller:**

**If D Level Driller, provide supervising driller’s name:**

---

DHEC 1903 (07/2003)  
COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)
**1. WELL OWNER INFORMATION:**
Name: DUKE ENERGY CAROLINAS, LLC (last) (first)
Address: 526 SOUTH CHURCH STREET
City: CHARLOTTE State: NC Zip: 28202
Telephone: Work: Home:

**2. LOCATION OF WELL:**
SC COUNTY: GREENVILLE
Name: CSXT BRAMLETT
Street Address: 400 EAST BRAMLETT ROAD
City: GREENVILLE Zip: 29601
Latitude: 34° 51' 39.01" Longitude: 82° 25' 09.64"

**3. PUBLIC SYSTEM NAME:**
PUBLIC SYSTEM NUMBER: RI-58-14

**4. ABANDONMENT:**
[ ] Yes [ ] No

Grouted Depth: from 0.0 ft to 15.0 ft.

Formation Description

<table>
<thead>
<tr>
<th>Thickness of Stratum</th>
<th>Depth to Bottom of Stratum</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABANDONED VIA PROBE ROD</td>
<td></td>
</tr>
</tbody>
</table>

*Indicate Water Bearing Zones

(Use a 2nd sheet if needed)

**5. REMARKS:**

**6. TYPE:**
- [ ] Mud Rotary
- [ ] Jetted
- [ ] Bonded
- [ ] Dog
- [ ] Air Rotary
- [ ] Driven
- [ ] Cable tool
- [ ] Other

**7. PERMIT NUMBER:**

**8. USE:**
- [ ] Residential
- [ ] Public Supply
- [ ] Process
- [ ] Irrigation
- [ ] Air Conditioning
- [ ] Emergency
- [ ] Test Well
- [ ] Monitor Well
- [ ] Replacement

**9. WELL DEPTH (completed)**
Date Started: 06/30/20
15.0 ft.

Date Completed: 06/30/20

**10. CASING:**
- [ ] Threaded
- [ ] Welded

Diam.: ___ in. to ___ in. depth


Weight: ___ lbs.

Drive Shoe?: [ ] Yes [ ] No

**11. SCREEN:**
Type: __________________________
Slot/Diameter: __________________________
Length: __________________________

Set Between: ___ ft. and ___ ft.

NOTE: MULTIPLE SCREENS

USE SECOND SHEET

Sieve Analysis: [ ] Yes (please enclose) [ ] No

**12. STATIC WATER LEVEL:**
_______ ft. below land surface after 24 hours

**13. PUMPING LEVEL:**
Below Land Surface.

_____ ft. after ________ hrs. Pumping ________ G.P.M.

Pumping Test: [ ] Yes (please enclose) [ ] No
Yield: _______

**14. WATER QUALITY**
Chemical Analysis: [ ] Yes [ ] No
Bacterial Analysis: [ ] Yes [ ] No

Please enclose lab results.

**15. ARTIFICIAL FILTER (filter pack):**
- [ ] Yes [ ] No

Installed from: ___ ft. to ___ ft.

Effective size ___ Uniformity Coefficient ___

**16. WELL GROUTED?**
- [ ] Yes [ ] No

[ ] Neat Cement [ ] Bentonite [ ] Bentonite/Cement [ ] Other: ______________________

Depth: From ___ ft. to ___ ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:**
___ ft. ___ direction

Type: __________________________
Well Disinfected: [ ] Yes [ ] No
Type: __________________________
Amount: __________________________

**18. PUMP:**
Date installed: __________________________

Mfr. Name: __________________________
Model No.: __________________________

H.P.: ___ Volts: ___ Length of drop pipe ___ ft. Capacity ___ gpm

TYPE: [ ] Submersible [ ] Jet (shallow) [ ] Turbine
[ ] Jet (deep) [ ] Reciprocating [ ] Centrifugal

**19. WELL DRILLER:**
KENNY SARGENT
CERT. NO.: 02135
Address: (Print)
176 COMMERCE BLVD
STATESVILLE, NC 28625
Telephone No.: 704-872-7686
Fax No.: 704-872-0248

**LEVEL:**
[ ] A [ ] B [ ] D (circle one)

**20. WATER WELL DRILLER’S CERTIFICATION:**
This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: __________________________
Date: 07/17/20

Well Driller:

If D Level Driller, provide supervising driller’s name:

DHEC 1903 (07/2003)
COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)
1. WELL OWNER INFORMATION:
Name: DUKE ENERGY CAROLINAS, LLC (test)
Address: 526 SOUTH CHURCH STREET
City: CHARLOTTE State: NC Zip: 28202
Telephone: Work: Home:

2. LOCATION OF WELL:
Name: CSXT BRAMLETT
Street Address: 400 EAST BRAMLETT ROAD
City: GREENVILLE Zip: 29601
Latitude: 34° 51′ 38.64″ Longitude: 82° 25′ 09.38″

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:
RI-SB-15

4. ABANDONMENT: Yes No
Grouded Depth: from 0.0 ft. to 15.0 ft.
Formation Description

5. REMARKS:

6. TYPE: Mud Rotary Jetted Bored
    Dog Air Rotary Driven
    Cable tool Other

7. PERMIT NUMBER:

8. USE:
Residential Public Supply Process
Irrigation Air Conditioning Emergency
Test Well Monitor Well Replacement

9. WELL DEPTH (completed)
15.0 ft.

10. CASING:
Threaded Welded
Height: Above Below
Type: PVC Galvanized
Steel Other

11. SCREEN:
Type: Diam.: 
Slot/Gauge: Length: 
Set Between: ft. and ft. 
NOTE: MULTIPLE SCREENS
USE SECOND SHEET
Sieve Analysis Yes (please enclose) No

12. STATIC WATER LEVEL ft. below land surface after 24 hrs.

13. PUMPING LEVEL Below Land Surface.
    ft. after hrs. Pumping G.P.M.
Pumping Test: Yes (please enclose) No
Yield:

14. WATER QUALITY
Chemical Analysis Yes No Bacterial Analysis Yes No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) Yes No
    Installed from ft. to ft.
    Effective size Uniformity Coefficient

16. WELL GROUTED? Yes No
    Neat Cement Bentonite Bentonite/Cement Other
    Depth: From ft. to ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
Type
Well Disinfected Yes No Type: Amount:

18. PUMP:
Mfr. Name: Model No.:
H.P. Volts Length of drop pipe ft. Capacity gpm
TYPE: Submersible Jet (shallow) Turbine
Jet (deep) Reciprocating Centrifugal

19. WELL DRILLER: KENNY SARGENT CERT. NO.: 02135
Address (Print): LEVEL: A B C D (circle one)
176 COMMERCE BLVD Fax No.: 704-872-0248
STATESVILLE, NC 28625 Telephone No.: 704-872-7686

20. WATER WELL DRILLER’S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Date: 07/17/20

Well Driller

If D Level Driller, provide supervising driller’s name:
**Water Well Record**

**Bureau of Water**

2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

### 1. WELL OWNER INFORMATION:
- **Name:** DUKE ENERGY CAROLINAS, LLC
- **Address:** 526 SOUTH CHURCH STREET
- **City:** CHARLOTTE
- **State:** NC
- **Zip:** 28202
- **Telephone:** Work
- **Home:**

### 2. LOCATION OF WELL:
- **County:** GREENVILLE
- **Street Address:** 100 EAST BRAMLETT ROAD
- **City:** GREENVILLE
- **Zip:** 29601
- **Latitude:** 34° 51' 38.28"
- **Longitude:** 82° 25' 09.32"

### 3. PUBLIC SYSTEM NAME:
- **PUBLIC SYSTEM NUMBER:** RI-SB-16

### 4. ABANDONMENT:
- **Yes**
- **No**
- **Grouted Depth:** from 0.0 ft. to 15.0 ft.

### 5. REMARKS:

### 6. TYPE:
- **Mud Rotary**
- **Jetted**
- **Bored**
- **Drill**
- **Air Rotary**
- **Cable tool**
- **Other**

### 7. PERMIT NUMBER:

### 8. USE:
- **Residential**
- **Public Supply**
- **Irrigation**
- **Air Conditioning**
- **Test Well**
- **Monitor Well**
- **Emergency**
- **Replacement**

### 9. WELL DEPTH:
- **Date Started:** 06/30/20
- **Date Completed:** 06/30/20
- **15.0 ft.**

### 10. CASING:
- **Threaded**
- **Welded**
- **PVC**
- **Galvanized Steel**
- **Other**
- **Height Above:**
- **Height Below:**
- **Surface:**
- **Weight:**
- **Drill Shoe?**
- **Yes**
- **No**

### 11. SCREEN:
- **Type:**
- **Stn/Gauge:**
- **Length:**
- **Set Between:**
- **NOTE:** MULTIPLE SCREENS
- **USE SECOND SHEET**
- **Silica Analysis?**
- **Yes**
- **No**

### 12. STATIC WATER LEVEL:
- **ft. below land surface after 24 hours**

### 13. PUMPING LEVEL:
- **Below Land Surface:**
- **G.P.M.**
- **Pumping Test:**
- **Yes**
- **No**

### 14. WATER QUALITY
- **Chemical Analysis**
- **Bacterial Analysis**
- **Yes**
- **No**
- **Please enclose lab results.**

### 15. ARTIFICIAL FILTER (filter pack)
- **Yes**
- **No**
- **Installed from:**
- **Effective size:**
- **Uniformity Coefficient:**

### 16. WELL GROUTED?
- **Yes**
- **No**
- **Neat Cement**
- **Bentonite**
- **Bentonite/Cement**
- **Other**
- **Depth:**

### 17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:
- **Type:**
- **Well Disinfected:**
- **Yes**
- **No**
- **Amount:**

### 18. PUMP:
- **Date Installed:**
- **Mfr. Name:**
- **Model No.:**
- **H.P.:**
- **Vols:**
- **Length of drop pipe:**
- **Capacity:**
- **TYPE:**
- **Submersible**
- **Jet (shallow)**
- **Jet (deep)**
- **Reciprocating**
- **Centrifugal**

### 19. WELL DRILLER:
- **KENNY SARGENT**
- **CERT. NO.: 02135**
- **Address:** 175 COMMERCE BLVD
- **STATESVILLE, NC 28625**
- **Telephone No.: 704-872-7685**
- **Fax No.: 704-872-0248**

### 20. WATER WELL DRILLER'S CERTIFICATION:
- **This well was drilled under my direction and this report is true to the best of my knowledge and belief.**

**Signed:**

**Date:** 07/17/20

**If D Level Driller, provide supervising driller's name:**