



o: 980.373.2663 c: 704.497.3627 f: 000.000.0000

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:

Date	RI Activity
April 2020	Sediment Sampling: Collected sediment samples from location SW-17 for analysis of volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs).
April 2020	Groundwater Sampling: Collected groundwater samples from monitoring wells MW-40BR, MW-48S, and MW-48TZ for analysis of VOCs and SVOCs.
May 2020	Water Level/Data Loggers: 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.
May 2020	Monitoring Well Installation (Rotary Sonic): 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.
June 2020	Monitoring Well Installation (Rotary Sonic): 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.
June 2020	Monitoring Well Abandonment: 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.
June 2020	Soil Borings: 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 .
June 2020	Reporting: Completed and submitted RI Report to SCDHEC on June 26, 2020.
June 2020	Water Levels: 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).

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

- 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 <u>Richard.Powell2@duke-energy.com</u>.

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
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)

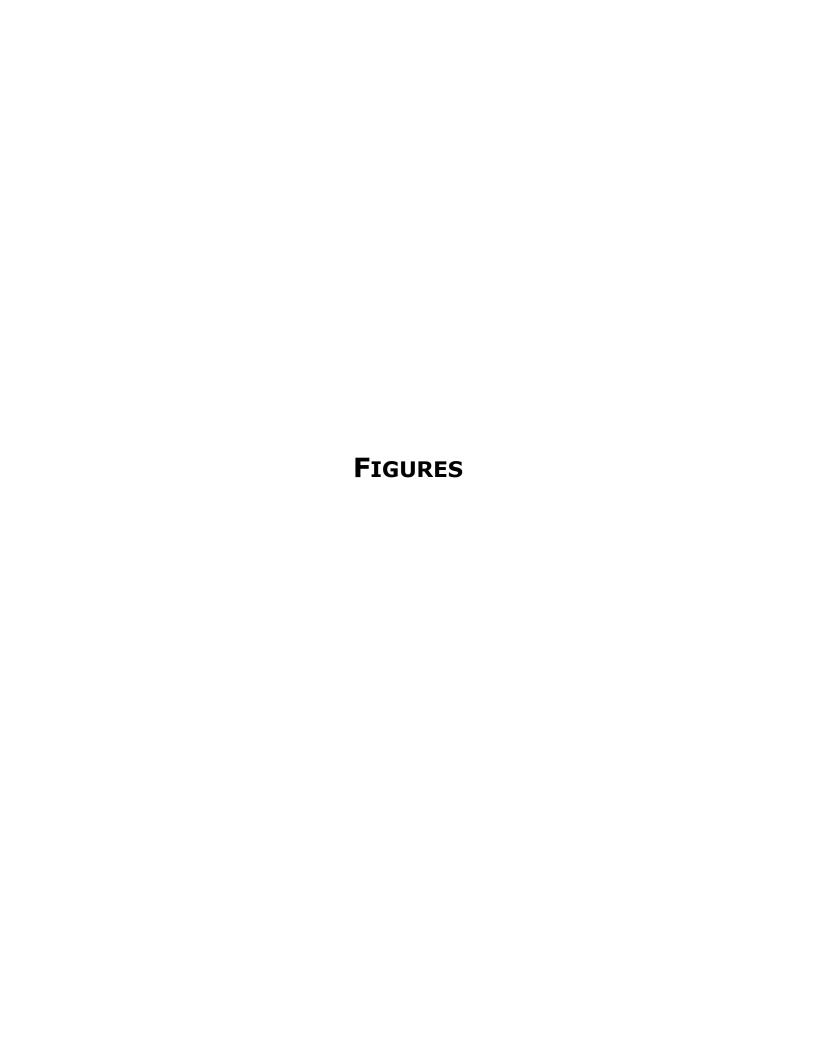
Figure 4 – Reedy River (Swamp Rabbit Trail) Hydrographs (MW-33S/MW-33TZ)

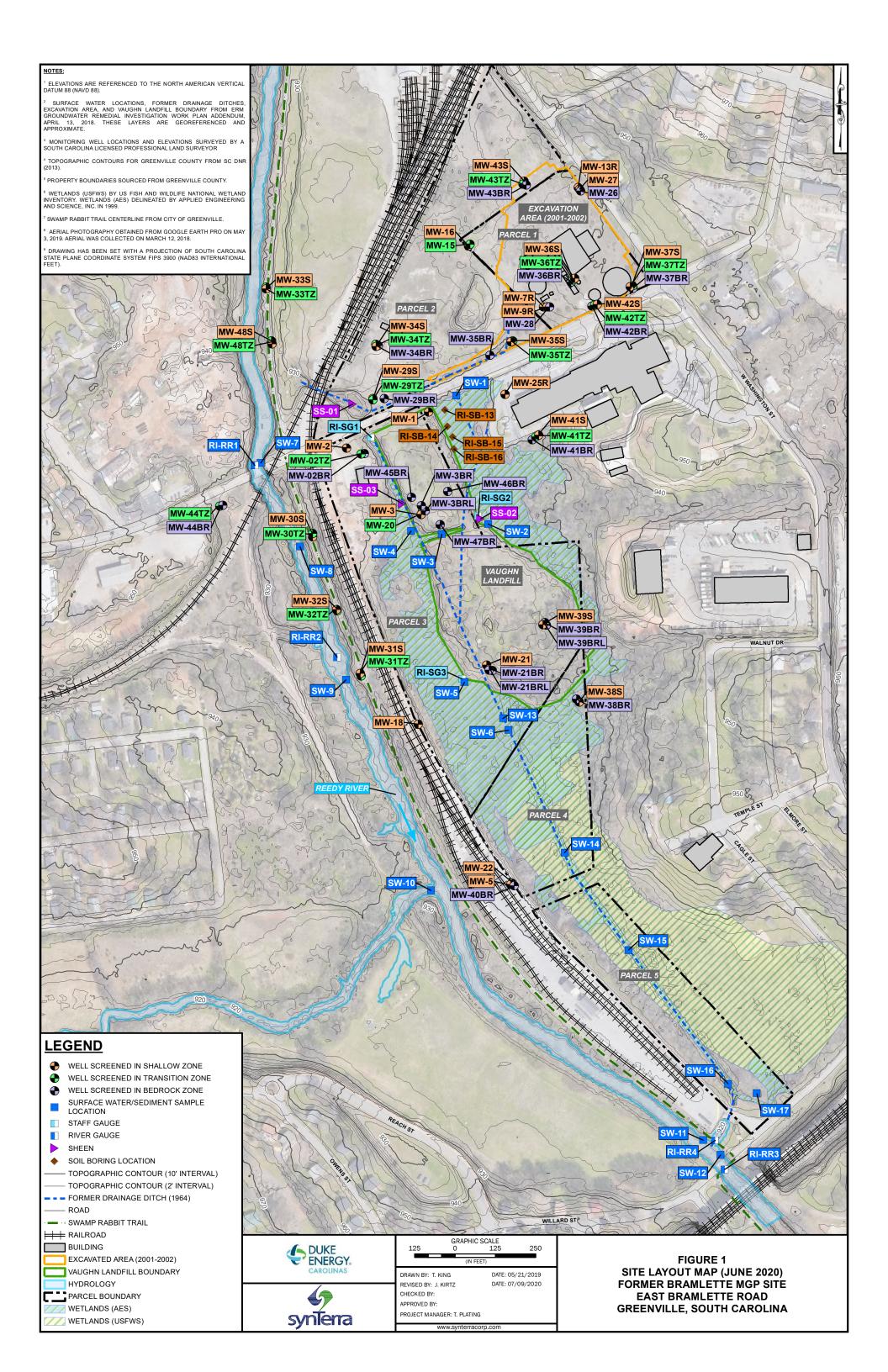
Figure 5 – Vaughn Landfill Area (Parcel 3) Hydrographs (MW-20/MW-03BR)

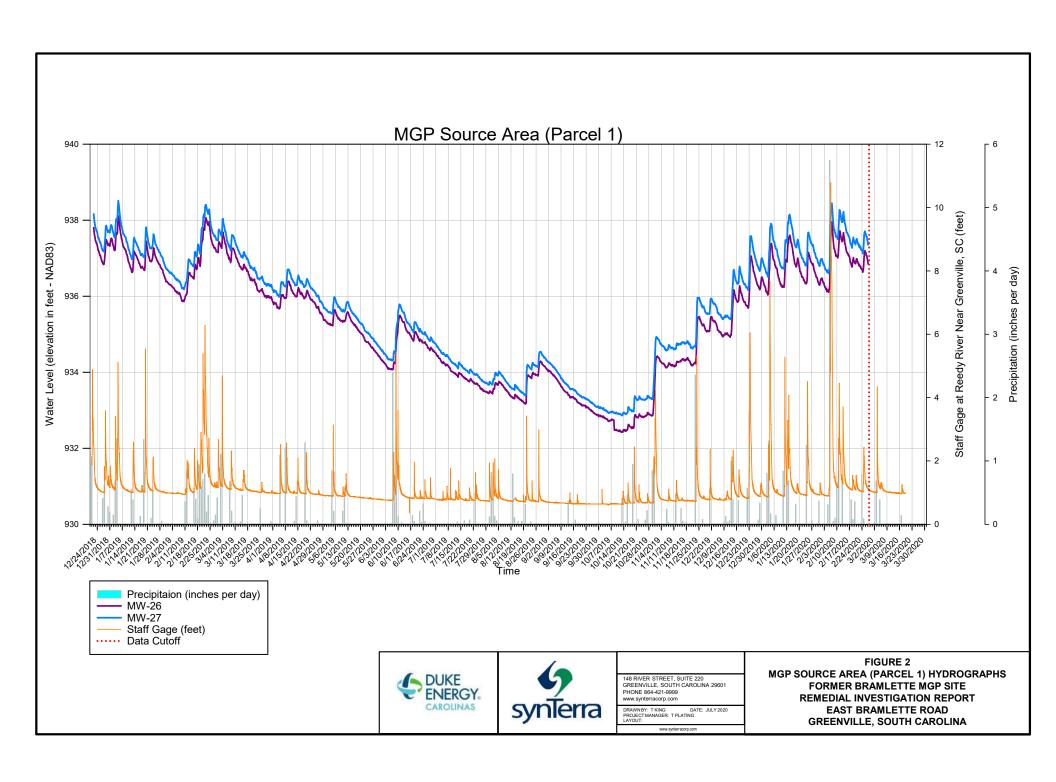
Tables

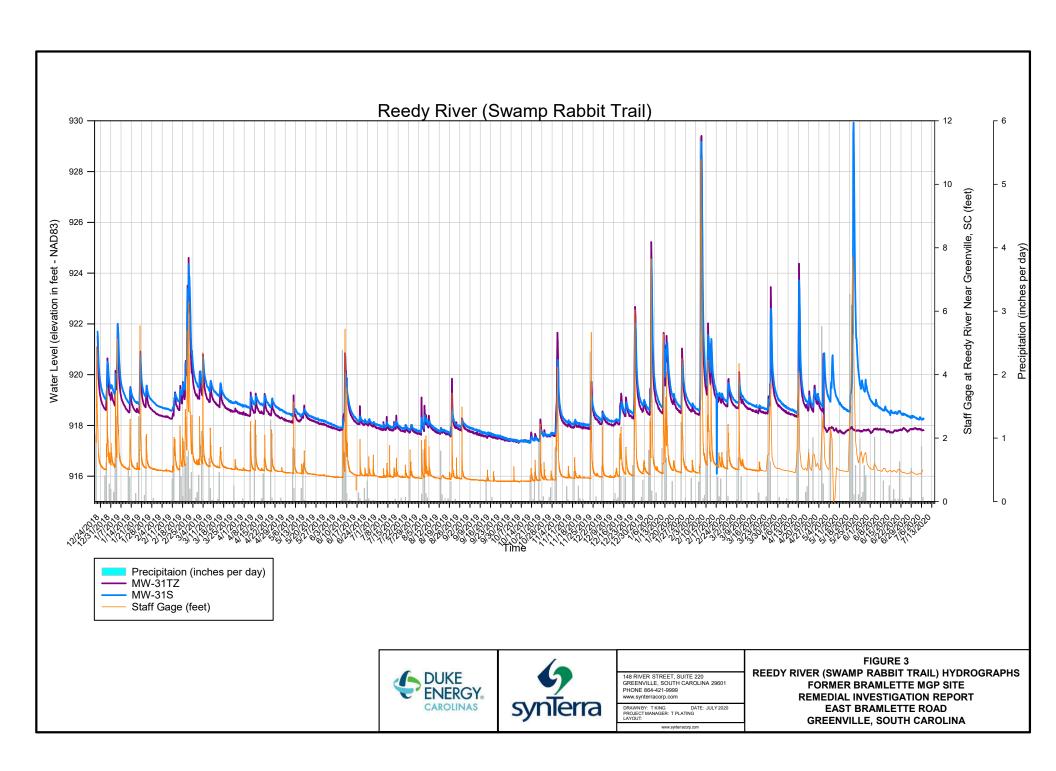
Table 1 – Monitoring Well Construction Details

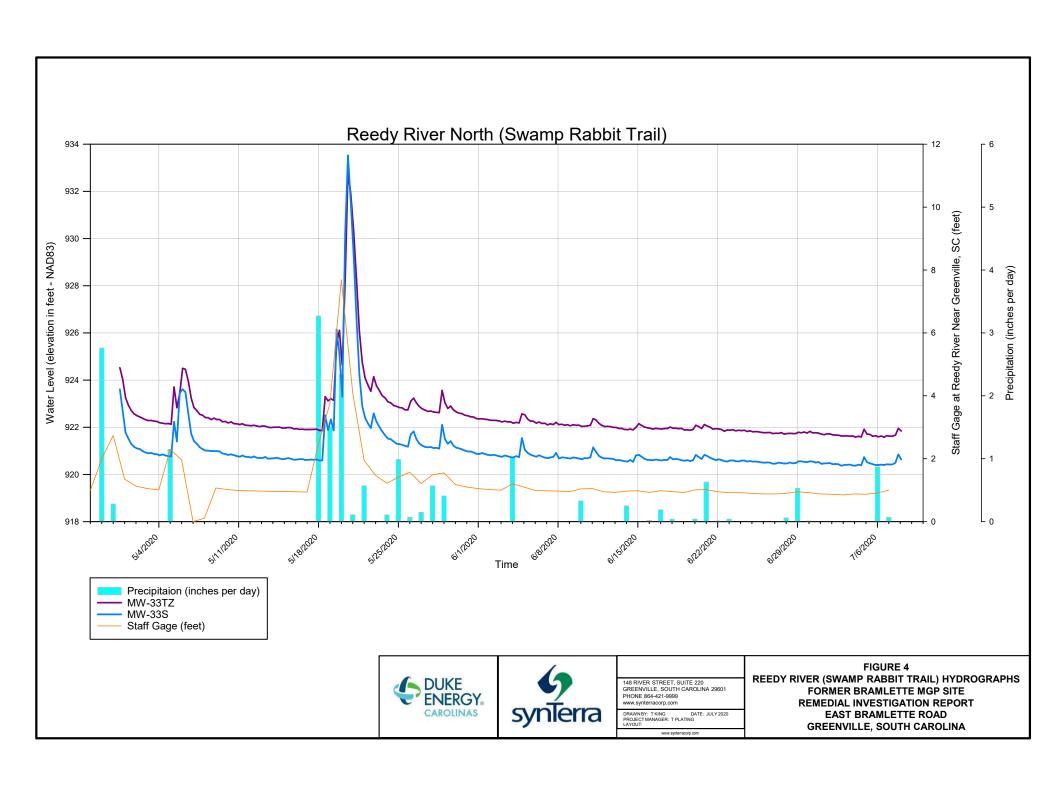
Attachment A – Well Abandonment Form

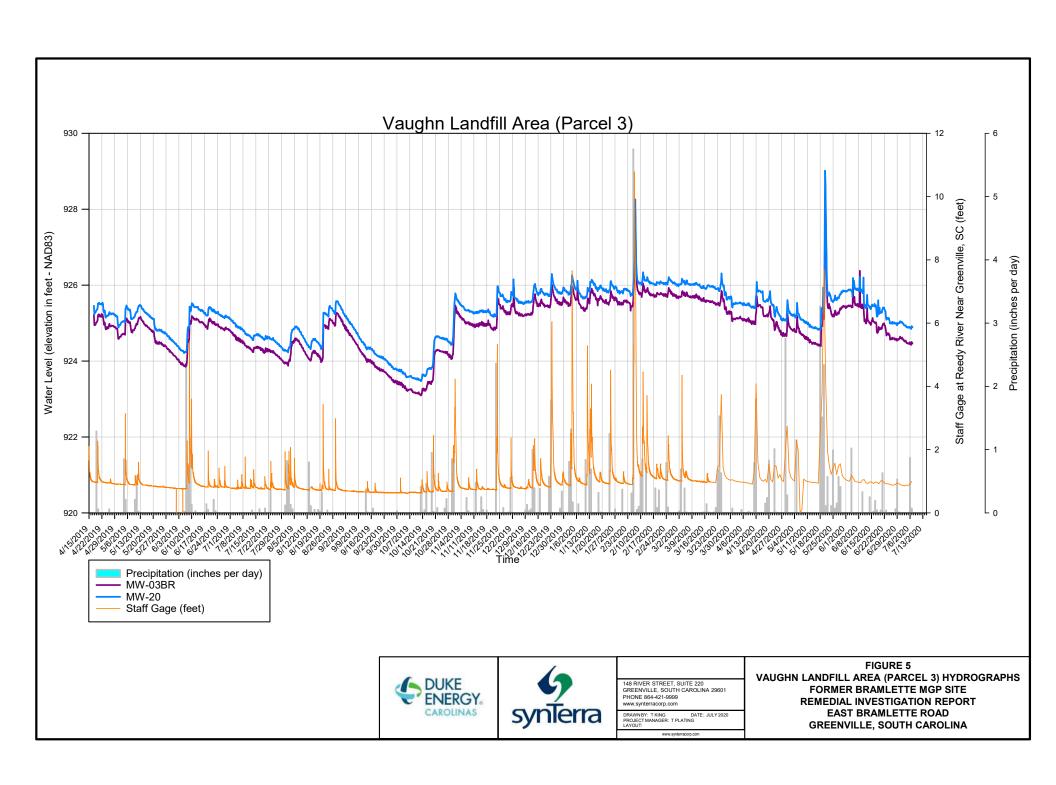












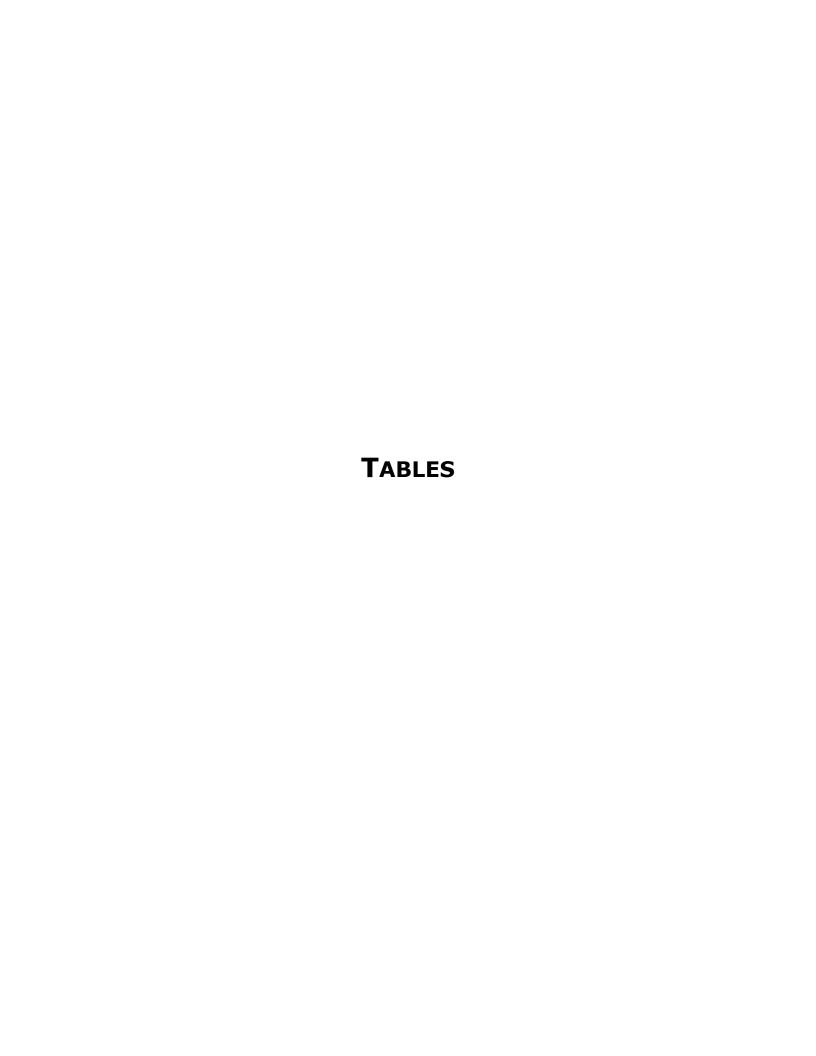


TABLE 1

MONITORING WELL AND SOIL BORING CONSTRUCTION DETAILS QUARTERLY PROGRSS REPORT - SECOND QUARTER 2020 FORMER BRAMLETTE MGP SITE

DUKE ENERGY CAROLINAS, LLC, GREENVILLE, SC VCC 16-5857-RP

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

Prepared by: MM Checked by: TDP

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

ATTACHMENT A WELL ABANDONMENT FORM



1. WELL OWNER INFORMATION:			7 DEDUCTABLEDED.
· · · · · · · · · · · · · · · · · · ·	IAC IIC		7. PERMIT NUMBER:
Name: DUKE ENERGY CAROLIN			
(last)	(firs	u)	8. USE:
Address: 526 SOUTH CHURCH STREET			☐ Residential ☐ Public Supply ☐ Process
City: CHARLOTTE State: NC	Zip: 28	2202	☐ Irrigation ☐ Air Conditioning ☐ Emergency
City: CHARLOTTE State: NC	Zip. Z(3202	☐ Test Well ☐ Monitor Well ☐ Replacement
Telephone: Work:	Home:		9. WELL DEPTH (completed) Date Started: 06/11/20
2. LOCATION OF WELL: SC CO	DUNTY: GREE	NVILLE :	15.0 ft. Date Completed: 06/11/20
Name: CSXT BRAMLETT	ONEE	44122	10. CASING: Threaded Welded
Street Address: 400 EAST BRAM	U CTT DOAG		Diam.: Height: Above Below
City corresponding	TILETT KUAL	,	Type: PVC Galvanized Surface ft.
City: GREENVILLE	^{Zip:} 29601		Steel Other Weight
L-19d 3.4.0000000		4.5	in, to ———— ft, depth Drive Shoe?
Latitude: 34,8606093 Longitude	: -82.42034	46	in, toft, depth
3. PUBLIC SYSTEM NAME: PU	BLIC SYSTE	M NIIMBED:	11. SCREEN:
3. FOBLIG STSTEM NAME. FO	MW-2		Type: Diam.:
		•	Slot/Gauge: Length:
4. ABANDONMENT: Yes	No		Set Between: ft. and ft. NOTE: MULTIPLE SCREENS
			ft. andft. USE SECOND SHEET
Grouted Depth: from 0.0 f	t. to15.0_	ft.	Sieve Analysis Yes (please enclose) No
	*Thickness	Depth to	12. STATIC WATER LEVEL ft. below land surface after 24 hours
Formation Description	of	Bottom of	
	Stratum	Stratum	13. PUMPING LEVEL Below Land Surface.
ABANDONED VIA TREMIE PIPE			ft. after hrs. Pumping G.P.M.
7 TO THE VALUE OF THE PARTY OF			Pumping Test: ☐ Yes (please enclose) ☐ No
WITH PORTLAND BENTONITE			Yield:
WITH FORTBAND BEINTONITE			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
			Checitive size Uniformity Coefficient
			16. WELL GROUTED? Tyes No
i			□ Neat Cement □ Bentonite □ Bentonite/Cement □ Other
			Depth: From ft. to ft.
			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
			Туре
			Well Disinfected Yes No Type: Amount:
			18. PUMP: Date installed: Not 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
i			170 COMMERCE BLVD
*Indicate Water Bearing Zones	_		STATESVILLE, NC 28625 Telephone No.; 704-872-7686 Fax No.: 704-872-0248
	j		20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)			my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:			,
2.5 GALLONS PORTLAND BENTONITE			1
C'S OUFFORD LOWITHING SEINTOHITE			Signed: Memet Bruss Date: 07/17/20
			Signed:
			Well Driller
6. TYPE: ☐ Mud Rotary ☐ Jetted	□в	ored	If D Level Driller, provide supervising driller's name:
□ Dug □ Air Rotary □ Driven □ Cable tool □ Other			in Distance of meet, browner anhervising crimat's flame:



1. \	WELL OWNER INFORMATION:			7. PERMIT NUMBER:
Name: DUKE ENERGY CAROLINAS, LLC				
	(last)	(firs	it)	8. USE: SOIL BORING
,	Address: 526 SOUTH CHURCH STREET			Residential Public Supply Process
				☐ Irrigation ☐ Air Conditioning ☐ Emergency
(City: CHARLOTTE State: NC	Zip: 28	3202	☐ Test Well ☐ Monitor Well ☐ Replacement
				9. WELL DEPTH (completed) Date Started: 06/30/20
		Home:		
		DUNTY: GREE	NVILLE	
	Name: CSXT BRAMLETT			10. CASING: ☐ Threaded ☐ Welded
	Street Address: 400 EAST BRAN)	Diam.: Helght: Above Below
,	^{City:} GREENVILLE	^{Zip:} 29601		Type: □ PVC □ Galvanized Surface
				l •
1	Latitude: 34° 51′ 39,44″ Longitude	:: 82° 25' 09	.74"	in. toft. depth Drive Shoe?
3. !	PUBLIC SYSTEM NAME: PU	IBLIC SYSTE		11. SCREEN: Type: Diam.:
		RI-SB-1	3	Slot/Gauge: Length:
4. /	ABANDONMENT: 🖾 Yes 🔲	No		Set Between: ft. and ft. NOTE: MULTIPLE SCREENS
				ft. andft. USE SECOND SHEET
	Grouted Depth: from 0.0 f	ft. to <u>15.0</u>	ft.	Sieve Analysis Yes (please enclose) No
		*Thickness	Depth to	12. STATIC WATER LEVEL ft. below land surface after 24 hours
	Formation Description	of	Bottom of	13. PUMPING LEVEL Below Land Surface.
		Stratum	Stratum	15. PUMPING LEVEL Below Land Surface.
ABA	NDONED VIA PROBE ROD			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? Tyes No
		i l		□ Neat Cement □ Bentonite □ Bentonite/Cement □ Other
			-	Depth: From ft. to ft.
	•	:		17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
				Туре
				Well Disinfected ☐ Yes ☐ No Type: Amount:
				18. PUMP: Date installed: Not installed
				Mfr. Name: Model No.:
	<u></u>	-		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
*Indi	ente Mater Bearing Zongo			STATESVILLE, NC 28625
IDIU	cate Water Bearing Zones			Telephone No.; 704-872-7686 Fax No.: 704-872-0248
(Use a 2nd sheet if needed)			20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
	EMARKS:			my direction and this report is true to the best of my knowledge and belief.
· · · ·				<u>,</u>
	1	1		Signed: Menute Bruss Date: 07/17/20
				Signed:
				Well Dritter
6. T	YPE: ☐ Mud Rotary ☐ Jetted	D 8	lored	If D Level Driller, provide supervising driller's name:
☐ Dug ☐ Air Rotary ☐ Driven			riven	
	☐ Cable tool ☐ Other			



1. WELL OWNER INFORMATION:	7. PERMIT NUMBER:
Name: DUKE ENERGY CAROLINAS, LLC	
(last) (first)	8. USE: SOIL BORING
Address: 526 SOUTH CHURCH STREET	Residential Public Supply Process
	☐ Irrigation ☐ Air Conditioning ☐ Emergency
City: CHARLOTTE State: NC Zip: 28202	☐ Test Well ☐ Monitor Well ☐ Replacement
Telephone: Work: Home:	9. WELL DEPTH (completed) Date Started: 06/30/20
Telephone: Work: Home: 2. LOCATION OF WELL: SC COUNTY: GREENVILLE	
Name: CSXT BRAMLETT	
	Dlam.: Height: Above Below
Street Address: 400 EAST BRAMLETT ROAD	Type: PVC Galvanized Surface
City: GREENVILLE Zip: 29601	Steel Other Weight
Latitude: 34° 51' 39,01" Longitude: 82° 25' 09,64"	in. toft, depth Drive Shoe?
Eattlude, 34 31 39,01 conglitude, 62 23 09,04	in. to ft. depth
3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:	11. SCREEN:
RI-SB-14	Туре: Diam.:
4. ABANDONMENT:	Slot/Gauge: Length:
4. ABANDONMENT: [2] Tes [1] NO	Set Between: ft. and ft. NOTE: MULTIPLE SCREENS
Grouted Depth: from 0.0 ft. to 15.0 ft.	ft. and ft. USE SECOND SHEET
	Sieve Analysis
*Thickness Depth to Formation Description of Bottom of	12. STATIC WATER LEVEL ft. below land surface after 24 hours
Stratum Stratum	13. PUMPING LEVEL Below Land Surface.
	ft. after hrs. Pumping G.P.M.
ABANDONED VIA PROBE ROD	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: Fromft. toft.
	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 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
1	STATESVILLE, NC 28625
*Indicate Water Bearing Zones	Telephone No.: 704-872-7686 Fax No.: 704-872-0248
	20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)	my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:	
	A h
	Signed Number Bruss Date 07/17/20
	Signed: Date: Date:
6 TVDS: El Mud Onton:	
6. TYPE: Mud Rotary	If D Level Driller, provide supervising driller's name:
☐ Cable tool ☐ Other	
C Capie toil C Cuidi	



PROMOTE PROTECT PROSPER			, ,
1. WELL OWNER INFORMATION:	_		7. PERMIT NUMBER:
Name: DUKE ENERGY CAROLIN	IAS, LLC		
(last)	(first)		8. USE: SOIL BORING
Address: 526 SOUTH CHURCH STR	EET		Residential Dublic Supply Process
			☐ Irrigation ☐ Air Conditioning ☐ Emergency
City: CHARLOTTE State: NC	Zip: 282	202	☐ Test Well ☐ Monitor Well ☐ Replacement
	Home:		, , ,
2. LOCATION OF WELL: SC CO	DUNTY: GREEN	VILLE	15.0 ft. Date Completed: 06/30/20
Name: CSXT BRAMLETT			10. CASING: ☐ Threaded ☐ Welded
Street Address: 400 EAST BRAM	ILETT ROAD		Diam.: Height: Above Below □
	^{Zip:} 29601		Type: PVC Galvanized Surface
OKCENTICLE	23001		Steel Other Weight lb./ft.
Latitude: 34° 51' 38,64" Longitude:	: 82° 25' 09 3	เล"	in. to ft. depth Drive Shoe?
2	02 25 05.0	v	in. to ft. depth
3. PUBLIC SYSTEM NAME: PU	BLIC SYSTEM	NUMBER:	11. SCREEN:
o. Tobelo of of Elit Manue.	RI-SB-15	1	Type: Diam.:
			Slot/Gauge: Length:
4. ABANDONMENT:	No		Set Between: ft. and ft. NOTE: MULTIPLE SCREENS
			ft. and ft. USE SECOND SHEET
Grouted Depth: from 0.0 f	t. to <u>15.0</u>	ft.	Sieve Analysis Yes (please enclose) No
	*Thickness	Depth to	12. STATIC WATER LEVEL ft. below land surface after 24 hours
Formation Description		Bottom of	13. PUMPING LEVEL Below Land Surface.
	Stratum	Stratum	ft. after hrs. Pumping G.P.M.
ABANDONED VIA PROBE ROD			
3			Pumping Test: Yes (please enclose) No
			Yield:
			14. WATER QUALITY
			Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
			Please enclose lab results.
	1		15. ARTIFICIAL FILTER (filter pack)
			Installed from ft. to ft.
			Effective size Uniformity Coefficient
			16. WELL GROUTED? Yes No
			□ Neat Cement □ Bentonite □ Bentonite/Cement □ Other
			Depth: Fromft.
			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 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
*Indicate Water Bearing Zones			Telephone No.; 704-872-7686 Fax No.: 704-872-0248
			20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)			my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:			
			,
			Signed Menute Bruss Date: 07/17/20
			Oigned.
			Well Driller
6. TYPE: ☐ Mud Rotary ☐ Jetted	□ Bo	ored	If D Level Driller, provide supervising driller's name:
☐ Dug ☐ Air Rota	ary 🗖 Dr	iven	• • •
☐ Cable tool ☐ Other			



PROMOTE PROTECT PROSPER	
1. WELL OWNER INFORMATION:	7. PERMIT NUMBER:
Name: DUKE ENERGY CAROLINAS, LLC	
(last) (first)	8. USE: SOIL BORING
Address: 526 SOUTH CHURCH STREET	Residential Public Supply Process
320 300 111 CHONCH 311121	
City: CHARLOTTE State: NC Zip: 28202	This control is a second of the control of the cont
OWN CHARLOTTE	La test treat
Telephone: Work: Home:	9. WELL DEPTH (completed) Date Started: 06/30/20
2. LOCATION OF WELL: SC COUNTY: GREENVILLE	ft. Date Completed: 06/30/20
	10. CASING: ☐ Threaded ☐ Welded
Name: CSXT BRAMLETT	
Street Address: 400 EAST BRAMLETT ROAD	Didini.
City: GREENVILLE Zip: 29601	7764 — 1 1 4 — 1 1 1
Latitude: 34° 51' 38,28" Longitude: 82° 25' 09.32"	in. to ———— ft. depth Drive Shoe? Yes No
	in. toft. depth
3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER	11, SCREEN:
0, 1, 0, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	Type: Diam.:
RI-SB-16	Slot/Gauge: Length:
4. ABANDONMENT:	Set Between: ft. and ft. NOTE: MULTIPLE SCREENS
	ft. andft. USE SECOND SHEET
Grouted Depth; from 0.0ft. toft.	
*Thickness Depth to	12. STATIC WATER LEVEL ft. below land surface after 24 hours
Formation Description of Bottom of	13. PUMPING LEVEL Below Land Surface.
Stratum Stratum	ft. after hrs. Pumping G.P.M.
ABANDONED VIA PROBE ROD	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
	15. ARTIFICIAL FILTER (litter pack) Li tes Li No
	Installed from ft. to ft.
	Effective size Uniformity Coefficient
ļ <u> </u>	16. WELL GROUTED? Yes No
	□ Neat Cement □ Bentonite □ Bentonite/Cement □ Other
	Depth: From ft. to ft.
	17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
	Туре
	Well Disinfected ☐ Yes ☐ No Type: Amount:
	18. PUMP: Date installed: Not installed
	Mfr. Name: Model No.:
	H.P. Volts Length of drop pipe ft. Capacity gpm
	TYPE: Submersible Jet (shallow) Turbine
	
	19. WELL DRILLER: KENNY SARGENT CERT. NO.: 02135
	Address: (Print) Level: A B C D (circle one)
	176 COMMERCE BLVD
	STATESVILLE, NC 28625
*Indicate Water Bearing Zones	Telephone No.; 704-872-7686 Fax No.: 704-872-0248
Middle Hater bearing zorios	20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)	my direction and this report is true to the best of my knowledge and belief.
	my oncount and the report is the season of my memory
5. REMARKS:	
	1 ~ /
	Signed: Menute Bruss Date: 07/17/20
	Signed: Date:
	TYGIL DINGI
6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored	If D Level Driller, provide supervising driller's name:
☐ Dug ☐ Air Rotary ☐ Driven	
☐ Cable tool ☐ Other	