

ROY COOPER

Governor

MICHAEL S. REGAN

Secretary

LINDA CULPEPPER

Director



NORTH CAROLINA
Environmental Quality

Docket Nos. W-1320, Sub 0, W-1300,
Sub 55, W-1320, Sub 2, & W-661, Sub 9

Public Staff
Junis Exhibit 2

September 23, 2019

CERTIFIED MAIL 7016 3560 0000 4428 5270

RETURN RECEIPT REQUESTED

Mr. Michael Myers
Old North State Water Company, LLC
1620 Chalk Road
Wake Forest, NC 27587

Subject: **NOTICE OF VIOLATION**
NOV-2019-PC-0658

Compliance Evaluation Inspection
Briar Chapel Development
Reclaimed Water Generation, Conjunctive Reclaimed Water
Utilization, Non-Conjunctive Reclaimed Water Utilization,
and Wastewater Irrigation System
Permit Number WQ0028552
Chatham County

Mr. Myers,

On September 10, 2019, Rick Trone, Rick Bolich, and Zach Thomas of the Raleigh Regional Office, Division of Water Resources (DWR) conducted a compliance evaluation inspection of the non-conjunctive and conjunctive wastewater treatment and reclaimed water utilization system located at the Briar Chapel Development. The purpose of this inspection was to ensure compliance with the subject permit. During the inspection, the cooperation of G. Lee Bowman and Chuck Donnell of Envirolink, and William Lamm, Operator in Responsible Charge (ORC) was helpful and appreciated. The current permit was issued April 7, 2016 and expires on March 31, 2021.

This compliance evaluation inspection consisted of the following:

- Review of the permit;
- Review of the owner/facility information;
- Review of ORC logbooks, calibration documentation, Non-discharge wastewater monitoring reports (NDMR), Non-discharge application reports (NDAR) and;
- On-site inspection of treatment components and spray fields
- Investigation of system operation to help determine the cause for numerous odor complaints that the DWR has received for the wastewater treatment plant and reclaimed water distribution system for Briar Chapel.



North Carolina Department of Environmental Quality | Division of Water Resources
Raleigh Regional Office | 3800 Barrett Drive | Raleigh, North Carolina 27609
919.791.4200

OFFICIAL COPY

Dec 20 2019

A review of DWR records indicates that Mr. Lamm is ORC covering 9 separate permits. Additionally, Mr. Lamm serves as backup ORC for 13 additional facilities. Please see the attached table that shows DWR's records for wastewater systems for which William Lamm is listed as the ORC or back-up ORC. Please verify that this information is correct and submit the appropriate forms to the Water Pollution Control SOCC to update this information as needed.

A significant amount of standing water was noted around the package plant. This water did not have an odor typical of wastewater and Mr. Lamm explained water in one location was due to a broken hose and other water near the back of the plant was from equipment washing. The odor control system near the bar screens appeared to be operational. Mr. Lamm told the DWR inspectors that the odor control media in the filter had been replaced recently. The manual bar screens require frequent spray downs with hoses and frequent cleaning to keep them clear. Mr. Lamm explained the screens easily became full of trapped debris. Otherwise, the screens appeared to be functioning.

Water within the package plant was of normal color for domestic wastewater, however, excess foam and algae was present. The clarifiers had excessive pin floc and did not appear to be operating correctly. Water moving through the clarifier weirs appeared clear but significant solids were present. It could not be determined if the ultraviolet lights were operational. Mr. Lamm explained that the sodium hypochlorite system was not operating correctly, and he further explained he had added granular calcium chlorite to the chlorine contact chamber. The water in the chlorine contact chamber appeared to have a film of a white substance on the water. Monitoring results appear to indicate disinfection of the treated wastewater has been occurring. Water at the effluent portion of the clarifiers had a significant amount of solids present. The composite sampler at the effluent appeared to be missing a thermometer.

Residuals are hauled from the facility on an as-needed basis by Granville Farms. Flowmeter and turbidimeter calibration records indicate both devices have been calibrated per permit requirements. At the time of inspection, the turbidimeter was flashing what appeared to be a warning message. A calibration log is maintained for the pH meter. The stand-by generator started when the plant power was interrupted.

The facility is not monitoring the package plant effluent according to permit requirements. A review of 2018-2019 NDMR records finds that the average flow limit on the NDMR's is not correct. For the months of December 2018-June 2019 the facility did not report turbidity on form NDMR. A review of records at the facility indicate the ORC is taking turbidity readings and recording them in his log. For all months reviewed, the facility has not reported Total Nitrogen. For May 2019, the facility missed one of two required reporting's for BOD, Fecal Coliform, Ammonia, Nitrate, Phosphorous, and TSS. For months of October 2018-July 2019 the facility has not submitted a NDMR form for PPI2 (Reclaimed Water Distributed for Conjunctive Utilization Phases 1-E, 1-F, and 1-G). If no flow occurred, indicate this on the form for PPI2. Several random months of data were compared to results from a certified lab and no deficiencies were noted in the values reported by the facility to DWR. No issues were noted with the NDAR reports.

The facility is required to provide its users and DWR an Annual Report summarizing the performance of the wastewater treatment and utilization facility. Additionally, an annual soil analyses was not available for inspection. The permit requires a soils analyses for each irrigation field in Phase 1-B.

The facility maintains a storage pond. On the day of the inspection, the water in the pond appeared to be free of solids and no woody vegetation was observed growing on the berms. Access to the pond is restricted by a fence. The gate to the fence was open at the time of inspection. Mr. Lamm closed and locked the gate to the pond during the inspection.

The facility maintains a number of irrigation areas within the development. The areas observed during the inspection appeared to have an acceptable cover crop with no evidence of ponding or runoff.

The following permit condition violations were noted during the September 9, 2019 compliance inspection and records review:

III. OPERATION AND MAINTAINANCE REQUIREMENTS

Condition 1, which states that, "the reclaimed water generation and utilization facilities shall be properly maintained and operated at all times..." Numerous issues were observed in and around the package plant (see above). Please provide explanations for the issues observed during the inspection in your response to items 1-10 in the "REQUESTED RESPONSE" section of this Notice.

IV. MONITORING AND REPORTING REQUIREMENTS

Condition 4, which states that, "the Permittee shall monitor the reclaimed water from the generating facility at the frequencies and locations for the parameters specified...." For the months of December 2018-June 2019 the facility did not report turbidity on form NDMR. A review of records at the facility indicate the ORC is taking turbidity readings and recording them in his log. For all months reviewed, the facility has not reported Total Nitrogen. For May 2019, the facility missed one of two required reporting's for BOD, Fecal Coliform, Ammonia, Nitrate, Phosphorous, and TSS. For months of October 2018-July 2019 the facility has not submitted a NDMR form for PPI2 (Reclaimed Water Distributed for Conjunctive Utilization Phases 1-E, 1-F, and 1-G). If no flow occurred, indicate this on the form for PPI2.

REQUESTED RESPONSE:

1. Please verify that the information on the attached ORC assignment table is correct and submit the appropriate forms to the Water Pollution Control SOCC to update this information as needed.
2. Please provide a schedule for the inspection and replacement of the odor control media at the wastewater treatment plant.
3. Please explain the presence of excessive foam and turbidity in the clarifiers at the wastewater treatment plant.
4. Please explain why the chlorine feed hose was not providing chlorine to the chlorine contact chamber for disinfection.
5. Please ensure that the turbidity meter is operating properly and provide this office with proof the meter is functioning by submitting laboratory analyses or confirmation readings with another calibrated flow meter.
6. Please explain why the missing NDMR data have not been reported, and what the facility plans to do to ensure these violations are corrected.

7. Please provide DWR with a copy of the most recent Annual Report summarizing the performance of the wastewater treatment and utilization facility.
8. Please provide a copy of the most recent soil analyses for each irrigation field in Phase 1-B.
9. Please provide copies of the operator's logs for the wastewater treatment system and the reclaimed water distribution system for the period of January 1, 2018 to September 15, 2019.
10. Please describe efforts that Old North State Water Company has taken to address the excessive odors coming from the wastewater treatment plant and the reclaimed water storage pond and distribution system.

This office requests that you respond to this letter in writing within 30 days of receipt. Your response should be sent to this office at the letterhead address. Your response should address the following items as noted above. Please include in your response all corrective actions already taken and a schedule for completion of any corrective actions not addressed. Failure to comply with conditions in a permit may result in a recommendation of enforcement action, to the Director of the Division of Water Resources who may issue a civil penalty assessment of not more than twenty-five thousand (\$25,000) dollars against any "person" who violates or fails to act in accordance with the terms, conditions, or requirements of a permit under authority of G.S. 143-215.6A.

If you have any questions about this inspection or this letter, please contact Rick Trone at rick.trone@ncdenr.gov or 919-791-4200.

Sincerely,



Rick Bolich, L.G.
Assistant Regional Supervisor
Water Quality Regional Operations
Raleigh Regional Office

Attachments: Inspection Report
Table of Certified Operator Facility Designations for William Lamm

cc: Chatham County Environmental Health

Table One – Certified Operator Facility Designations for William Lamm

Participant Details	Certificates	Exams	Classes	Facility Designations	Billing	Comments			
Participant Name: Lamm, William E.									
*Permit #	Outfall #	Owner	Facility	*Classif/Gr...	*Start Dt	End Dt	Contractor	*Role	*Notification...
WQ0012901		Bailey Foods, LLC	Bailey Foods WWTF	SI	07/01/2019			ORC	07/18/2019
NC0060526		Pope Industrial P...	Pope Industrial Park	WW-4	05/01/2019			ORC	06/11/2019
NC0088731	001	Certainfeed Gyps...	Gypsum Wallboard ...	PC-1	05/01/2019			ORC	06/11/2019
WQCS00299		Town of Elm City	Elm City Collection ...	CS-2	04/01/2019			ORC	04/23/2019
WQ0035706		Currituck County	Moyock Regional W...	WW-4	01/01/2019			Backup	02/05/2019
WQCS00372		Old North State W...	Briar Chapel Collect...	CS-2	04/17/2018			ORC	04/27/2018
NC0064891		Town of Kenly	Kenly Regional WW...	WW-4	08/25/2017			Backup	09/07/2017
NC0056731		The Chesson Gro...	Grande Oak Subdivi...	WW-4	07/01/2017			ORC	07/10/2017
NC0087840	001	Town of Middlesex	Well #4 WTP	PC-1	07/29/2016			ORC	08/12/2016
NCG590001		Town of Bailey	Bailey Well #1 WTP	PC-1	07/29/2016			ORC	08/12/2016
NCG590002		Town of Bailey	Bailey Well #2 WTP	PC-1	07/29/2016			ORC	08/12/2016
NC0080322		Montgomery County	Montgomery County...	PC-1	10/30/2014	05/01/2019		Backup	10/30/2014
NC0086061	001	Town of Bailey	Bailey Well #1 WTP	WW-4	10/22/2012			Backup	10/22/2012
NC0086541	001	Town of Bailey	Bailey Well #2 WTP	WW-4	10/22/2012			Backup	10/22/2012
NC0065706		Crosby Utilities Inc	Cottonwood / Bayw...	WW-4	02/21/2012	06/01/2019		ORC	03/09/2012
WQCS00011		Town of Middlesex	Middlesex Collectio...	CS-2	08/08/2011			ORC	08/18/2011
NC0038849		Goldco, LLC	Hill Forest Rest Ho...	WW-4	03/23/2010	05/02/2010		Backup	05/03/2010
NC0038849		Goldco, LLC	Hill Forest Rest Ho...	WW-4	11/11/2009	03/22/2010		ORC	03/23/2010
WQCS00299		Town of Elm City	Elm City Collection ...	CS-2	09/10/2009	05/10/2017		Backup	01/28/2009
WQCS00316		Town of Princeville	Princeville Collectio...	CS-2	09/10/2009			Backup	12/16/2008
WQCS00358		Franklinton Co Pu...	Franklinton Collecti...	CS-2	09/10/2009	09/26/2012		Backup	09/26/2012
WQCS00358		Franklinton Co Pu...	Franklinton Collecti...	CS-1	01/27/2009	09/09/2009		Backup	01/27/2009
NC0039292		Uniprop Inc	Riverwalk Mobile H...	WW-4	12/23/2008			Backup	12/23/2008
WQCS00015		Town of Youngsville	Youngsville Town C...	CS-2	12/09/2008			Backup	12/17/2008
NC0060526		Pope Industrial P...	Pope Industrial Park	WW-4	11/21/2008	05/01/2019		Backup	11/21/2008
WQ0028552		Old North State W...	Briar Chapel Develo...	SI	06/05/2008			ORC	06/06/2008
WQ0028552		Old North State W...	Briar Chapel Develo...	WW-4	06/05/2008			ORC	06/06/2008
WQ0021934		Aqua North Caroli...	Hasentree WWTP	SI	06/13/2007			Backup	07/19/2007
NC0037885		Nash-Rocky Moun...	Southern Nash Mid...	WW-4	09/11/2006			Backup	06/12/2007
NC0060771		Indian Creek MHP	Indian Creek Overlo...	WW-4	06/10/2005			Backup	04/05/2010
NC0056499		Uniprop Inc	Mill Run Mobile Ho...	WW-4	06/08/2005			Backup	04/10/2007
NC0001376		Riverplace IV LLC	Riverplace WWTP	WW-4	02/02/2004			Backup	04/30/2007
NC0039233		Village of Walnut ...	Walnut Creek WWTP	WW-4	01/21/2004			Backup	01/21/2004
WQ0001814		International Pape...	Panel Equipment S...	SI	07/28/2003	12/21/2007		ORC	12/27/2007
WQ0001814		International Pape...	Panel Equipment S...	WW-4	07/28/2003	12/21/2007		ORC	12/27/2007

Old North State Water Co.

An



Company

October 22, 2019

NC Dept of Environmental Quality

Division of Water Resources, NCDEQ
Wastewater Branch
1628 Mail Service Center
Raleigh, NC 27699-1628

OCT 25 2019

Raleigh Regional Office

Subject: NOTICE OF VIOLATION & NOTICE OF INTENT TO ENFORCE
NOV-2019-PC-0658
Permit No. WQ0028552
Briar Chapel Development Reclaimed Water Generation & Irrigation System,
Conjunctive Reclaimed Water Utilization, Non-Conjunctive Reclaimed Water
Utilization, and Wastewater Irrigation System
Chatham County

Dear Mr. Bolich:

Old North State Water Company appreciates the opportunity to respond to the Notice of Violation issued on September 23, 2019 by the Division of Environmental Quality. Please find enclosed our response regarding an inspection by Mr. Rick Trone from the Raleigh Regional Office. This response will provide additional information and it is our hope that this additional information is sufficient, and that the Division will decide not to pursue further action.

REQUESTED RESPONSE:

1. **Please verify that the information on the attached ORC assignment table is correct and submit the appropriate forms to the Water Pollution Control SOCC to update this information as needed:**
 - *Please find attached an updated ORC Designation List Form for William Lamm.*
2. **Please provide a schedule for the inspection and replacement of the odor control media at the wastewater treatment plant.**
 - *Carbon media was replaced on July 9, 2019 as well as the blower motor which was replaced on July 31, 2019. Based on manufacturers recommendations we have initiated an annual air monitoring program to evaluate "breakthrough" on the media. If breakthrough of the individual compound is noted, the media will be scheduled for replacement.*

3. **Please explain the presence of excessive foam and turbidity in the clarifiers at the wastewater treatment plant.**
 - *On the morning of the visit, an electrical issue caused the RAS pump breaker to trip resulting in the loss of solids. The ORC started the RAS pump back and flow was diverted to the upset pond and retreated. The ORC started the RAS pump back up when he arrived and attempted to clean the sludge as well as he could.*
4. **Please explain why the chlorine feed hose was not providing chlorine to the chlorine contact chamber for disinfection**
 - *As you may be aware, disinfection is via UV disinfection with chlorine as a backup and used for algae control at the plant. A five-foot piece of 3/8 inch neoprene tubing failed had to be replaced on the chlorine pump. Attached please find the closed work order confirming completion.*
5. **Please ensure that the turbidity meter is operating properly and provide this office with proof the meter is functioning by submitting laboratory analyses or confirmation readings with another calibrated flow meter.**
 - *The turbidity meter is operating properly. Please find attached the proof of calibration for the turbidity meter performed with a calibrated flow meter by Delta Systems on September 13, 2019.*
6. **Please explain why the missing NDMR data have not been reported, and what the facility plans to do to ensure these violations are corrected.**
 - *The missing NDMR data is related to the use of a new form in October 2018 that did not allow for input of turbidity and reclaimed water production. We have contacted DEQ central office and have received an updated NDMR form and are currently submitting amended NDMRs to report this data.*
7. **Please provide DWR with a copy of the most recent Annual Report summarizing the performance of the wastewater treatment and utilization facility.**
 - *Please find the 2018 Annual Report attached.*
8. **Please provide a copy of the most recent soil analyses for each irrigation field in Phase 1-B.**
 - *The irrigation field in Phase 1-B has not been constructed or certified. ONSWC is currently evaluating the need for this field and if not needed, we will notify the Division.*
9. **Please provide copies of the operator's logs for the wastewater treatment system and the reclaimed water distribution system for the period of January 1, 2018 to September 15, 2019.**

- *Please find attached the operators logs for the period of January 1, 2018 through September 15, 2019.*
10. **Please describe efforts that Old North State Water Company has taken to address the excessive odors coming from the wastewater treatment plant and the reclaimed water storage pond and distribution system.**
- *The odors emanating from the WWTP are significantly less than from similar facilities. While ONSWC understands the sensitivity, the use of the word "excessive" is not an accurate description. ONSWC has completed numerous upgrades to minimize the impact of the facility and address odors. These upgrades include:*
 1. Covering of the equalization basin and bar screen.
 2. Scrubbing of the air generated on the equalization basin and bar screen.
 3. Installation of aeration units on the reclaimed water holding ponds.
 4. Installation of additional aeration units on the reclaimed water holding pond.
 5. Addition of a chlorine feed on the reclaimed water system.
 6. Installation of flushing valves on the reclaimed distribution system.
 7. Changes to operating procedures designed to minimize odors generated.

Please contact us if additional information is needed. While the violation was unfortunate, we feel that a civil penalty would not be prudent as we have acted in a responsible manner to address these issues. We hope that the Division recognizes the significant amount of resources that are devoted to this system. Therefore, we request that the Division consider these efforts when deciding on further enforcement. We are committed to full compliance with all the permits of the Briar Chapel Permit Number WQ0028552.

Sincerely,



Michael Myers
President
Old North State Water Company, LLC

Cc: Dave Strum
Charles Donnell
Lee Bowman
William Lamm

CERTIFIED OPERATOR FACILITY DESIGNATIONS FOR WILLIAM LAMM

Line	Owner	Facility	Permit	Classification	Region	Role	WWTP ORC
1	Bailey Foods	Bailey Foods WWTP	WQ0012901	SI	Triangle	ORC	William Lamm
2	Pope Industrial	Pope Industrial WWTP Park	NC0060526	WW-4	Triangle	ORC	William Lamm
3	Certainteed	Gypsum Wallboard	NC0088731	PC-1	Triangle	ORC	William Lamm
4	Town of Elm City	Elm City Collection	WQCS00299	CS-2	Triangle	ORC	William Lamm
5	Currituck County	Moyock Regional WWTP	WQ0035706	WW-4	Triangle	BACKUP	William Lamm
6	ONSWC	Briar Chapel Collection	WQCS00372	CS-2	Triangle	ORC	William Lamm
7	The Chesson Group	Grande Oaks Subdivision	NC0056731	44-4	Triangle	ORC	William Lamm
8	Town of Middlesex	Well # 4 WTP	NC0087840	PC-1	Triangle	ORC	William Lamm
9	Town of Middlesex	Middlesex Collection	WQCS00011	CS-2	Triangle	ORC	William Lamm
10	Town of Elm City	Elm City Collection	WQCS00299	CS-2	Triangle	ORC	William Lamm
11	ONSWC	Briar Chapel Development	WQ0028552	SI	Triangle	ORC	William Lamm
12	ONSWC	Briar Chapel Development	WQ0028552	WW-4	Triangle	ORC	William Lamm
13	Indian Creek MHP	Indian Creek Overlook	NC0060771	WW-4	Triangle	BACKUP	William Lamm
14	Riverplace IV LLC	Riverplace WWTP	NC0001376	WW-4	Triangle	BACKUP	William Lamm
15	Town of Bailey	Bailey Well #1 WTP	NC0086061	WW-4	Triangle	BACKUP	William Lamm
16	Town of Bailey	Bailey Well #2 WTP	NC0086541	WW-4	Triangle	BACKUP	William Lamm
17	Lake Wheeler Mobile Estates, LLC	Lake Wheeler MHP	D37836	WW	Triangle	ORC	William Lamm

Item: Briar Chapel - Install chlorine feed system- (Reclaimed Irrigation) (37279)

Print Work Order

Complete the form below.

WO: Priority 2

Today's Date

10/9/19

Billable

Requested Date for Service

Yes [0]

10/10/19

Technician Start Date:

9/10/19

Start Time:

12:15

Completion Date:

✓

Completion Time:

12:30

Description

Maintenance Detail

Job Location

Briar Chapel

Meter Serial #:

Previous Meter Reading

Left blank

Meter Serial #

Left blank

Requested Meter Action On/Off

Left blank

Meter Action Performed: On / Off

Type of Maintenance

Sewer [0.0]

Type of Water Maintenance

Type of Sewer Maintenance

Sewer Disposal: Pond CM

Type of Public Works Maintenance

Type of Administrative Maintenance

Dig Permit #

Service Interruption(s)

No [0]

Customer Information

Client Name

Chatham North

Client Contact

 Massey, Deborah
(EnviroLink)

Customer Name

Customer Contact information

Contact Phone #

Photo Required (Y/N)

Left blank

Before Photo Taken Yes / No After Photo Taken: Yes / No

Work Performed/Comments

Replaced 5ft pc. of 3/8 neoprene tubing
on chlorine pump.

Employee: <u>Wm Lamm</u> Reg Hrs: <u>15</u> Overtime: _____		
Employee: _____ Reg Hrs: _____ Overtime: _____		
Employee: _____ Reg Hrs: _____ Overtime: _____		
Employee: _____ Reg Hrs: _____ Overtime: _____		
Work Performed-Others/Comments: _____		
Regular Hours: _____ Overtime Hours: _____		
Equipment Used: _____	Task: _____	Hours: _____
Equipment Used: _____	Task: _____	Hours: _____
Equipment Used: _____	Task: _____	Hours: _____
Materials / Parts: _____	Quantity: _____	Supplied By: _____
Materials / Parts: _____	Quantity: _____	Supplied By: _____
Materials / Parts: _____	Quantity: _____	Supplied By: _____
Materials / Parts: _____	Quantity: _____	Supplied By: _____
Notes: _____		
Customer Instructions: _____		
Customer Follow-up: _____		



**DELTA SYSTEMS
ENVIRONMENTAL LLC**

Delta Systems Environmental LLC
1720 N. Woodhouse Road
Virginia Beach, VA 23454

October 17, 2019

Briar Chapel
Chapel Hill, NC

To Whom It May Concern:

This letter is proof of calibration of the meter listed below. The meter below was calibrated for turbidity and had the recommended program and verification checks.

Meter:	Hach
Location:	Turbidity
Model #:	SC200
Serial #:	1603C0139250
Calibrated to:	0.0 ntu and 20.0 ntu using Formazin Standard
Calibration verification:	Verified using EPA approved standards
Meter program verification:	Meter is programmed accurately
Sensor Location:	Sensor is properly located in the stream
Meter 4-20ma output:	N/A
Calibration Date:	02/2719
Next Cal Date:	February 2020
Calibration performed by:	TJ Johnson

NOTES: On September 11, 2019 the operator contacted Delta Systems and reported an issue with the effluent turbidity meter. A technician was sent to the plant on September 13, 2019. It appears the sensor slipped into some sediment at the bottom of the effluent basin. The unit was removed from the water, cleaned with special attention to the sensor window. The unit was then put back in the water above the sediment and secured in place. At this time the unit appeared to be working properly and the technician did not see the need to calibrate it at this time. The next scheduled calibration is February 2020.

If there are any questions or concerns, please contact me at the number listed below.

Sincerely,

TJ Johnson
Delta Systems Environmental LLC
757-286-7182

NON-DISCHARGE MONITORING REPORT (NDMR)

Permit No.: WQ0028552		Facility Name: Briar Chapel Development		County: Chatham		Month: September		Year: 2018								
PPI: 001	Flow Measuring Point: <input type="checkbox"/> Inflow <input checked="" type="checkbox"/> Effluent <input type="checkbox"/> No flow generated	Parameter Monitoring Point: <input type="checkbox"/> Inflow <input checked="" type="checkbox"/> Effluent		Parameter Monitoring Point: <input type="checkbox"/> Inflow <input checked="" type="checkbox"/> Effluent		Parameter Monitoring Point: <input type="checkbox"/> Inflow <input checked="" type="checkbox"/> Effluent		Parameter Monitoring Point: <input type="checkbox"/> Inflow <input checked="" type="checkbox"/> Effluent								
Day	ORC Arrival Time	ORC Time On Site	Flow	BODs	Chloride	Total Residual Chlorine	Fecal Coliform	Ammonia	Nitrate	Total Kjeldahl Nitrogen	Total Nitrogen	pH	Total Phosphorus	Total Dissolved Solids	Total Suspended Solids	Turbidity
24-hr	hrs	hrs	MGD	mg/L	mg/L	mg/L	#/100 mL	mg/L	mg/L	mg/L	mg/L	su	mg/L	mg/L	mg/L	NTU
1			150.033													
2			150.033													
3	09:35	1.5	215.000													
4	08:25	2	170.000			0.87						7.48				
5	09:30	3.25	150.000	<2.0		0.93		<0.04	4.85	0.28	5.13	7.4	2.43		4.7	3.12
6	10:00	2.5	157.500			0.8						7.37				3.07
7	14:25		164.333			0.87						7.29				3.13
8			168.333									7.51				3.29
9			168.333													3.35
10	10:15	2	183.000			0.88						7.3				3.4
11	14:10	1	101.000			0.91						7.39				3.55
12	10:45	2	135.000			0.81						7.41				3.59
13	09:45	1.5	100.000			0.86						7.28				3.61
14	09:30	2	232.333			0.89						7.38				3.34
15			232.333													3.31
16			232.333													3.3
17	09:00	2	258.000			0.89						7.31				3.49
18	10:15	4.25	178.000			0.9						7.31				6.61
19	08:25	2	178.000			0.89		0.11	4.1	0.36	4.92	7.31	1.41		5.25	5.91
20	10:40	2	137.500	<2.0		0.9						7.34				5.71
21	10:55	1.25	121.000			0.93						7.28				5.63
22			121.000													5.63
23			121.000													5.3
24	12:10	1.25	120.000			0.9						7.31				5.45
25	12:10	1.25	120.000			0.89						7.39				2.97
26	08:30	1.5	178.000			0.93						7.37				2.71
27	08:50	1.25	183.000			0.91						7.39				4.43
28	10:45	2	187.000			0.91						7.28				5.71
29			187.000													5.83
30			187.000													5.15
31			187.000													6.15
Average:			162.652	0.00		0.90	109	0.06	4.71	0.32	6.03		1.93		2.85	4.20
Daily Maximum:			268.000	2.00		0.96	1100	0.11	4.85	0.36	6.16	7.51	2.44		4.70	6.81
Daily Minimum:			100.000	2.00		0.81	100	0.04	4.53	0.28	4.92	7.28	1.41		2.60	2.71
Sampling Type:			Residual	Composite	Composite	Grab	Composite	Composite	Composite	Composite	Composite	Grab	Composite	Composite	Recorder	
Monthly Limit:			250.000	10			14	4				6-9			5	
Daily Limit:				15			25	16							10	
Sample Frequency:			Continuous	2 X Month	3 X Week	5 X Week	12 X Month	2 X Month	2 X Month	2 X Month	2 X Month	5 X Week	2 X Month	3 X Year	2 X Month	Continuous

NON-DISCHARGE MONITORING REPORT (NDMR)

Permit No.: WQ0028552		Facility Name: Briar Chapel Development		County: Chatham		Month: September		Year: 2018	
PPI: 002		Flow Measuring Point: <input type="checkbox"/> Influent <input checked="" type="checkbox"/> Effluent <input type="checkbox"/> No flow generated		Parameter Monitoring Point: <input type="checkbox"/> Influent <input type="checkbox"/> Effluent		Groundwater Lowering		Surface Water	
Day	ORC Arrival Time	ORC Time On Site	Flow Measuring Point: <input type="checkbox"/> Influent <input checked="" type="checkbox"/> Effluent <input type="checkbox"/> No flow generated	Parameter Monitoring Point: <input type="checkbox"/> Influent <input type="checkbox"/> Effluent	Groundwater Lowering	Surface Water			
Parameter Code	ORC Time On Site	Flow Measuring Point: <input type="checkbox"/> Influent <input checked="" type="checkbox"/> Effluent <input type="checkbox"/> No flow generated	Parameter Monitoring Point: <input type="checkbox"/> Influent <input type="checkbox"/> Effluent	Groundwater Lowering	Surface Water				
1	24-hr	hrs	WQ001	Reclaimed Water Distributed	Gallons				
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average:		898057							
Daily Maximum:		898057							
Daily Minimum:		898057							
Sampling Type:		Recorder							
Monthly Limit:									
Daily Limit:									
Sample Frequency:		Monthly							

NON-DISCHARGE MONITORING REPORT (NDMR)

Page

3 of 3

Name: William Lamm Name:	Sampling Person(s) Name: Environment 1 Name:	Certified Laboratories
-----------------------------	--	------------------------

Does all monitoring data and sampling frequencies meet the requirements in Attachment A of your permit?

☒ Compliant ☐ Non-Compliant

If the facility is non-compliant, please explain in the space below the reason(s) the facility was not in compliance. Provide in your explanation the date(s) of the non-compliance and describe the corrective action(s) taken. Attach additional sheets if necessary.

FORM

Operator in Responsible Charge (ORC) Certification		Permittee Certification	
ORC: William Lamm	Permittee: Old North State Water Company, LLC		
Certification No.: 11893	Signing Official: Michael Myers		
Grade: WW4	Phone Number: 2522354900	Phone Number: 919-971-3469	Permit Expiration: 3/31/2019
Has the ORC changed since the previous NDMR?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Signature: <i>William Lamm</i>	Signature: <i>Michael Myers</i>	Date: 10/15/18	
By this signature, I certify that this report is accurate and complete.		I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that all qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons already responsible for gathering this information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.	

Mail Original and Two Copies to:

Division of Water Resources

Information Processing Unit

1617 Mail Service Center

Raleigh, North Carolina 27699-1617

NON-DISCHARGE MONITORING REPORT (NDMR)

Permit No.: WQ0028552		Facility Name: Briar Chapel Development		County: Chatham		Month: October		Year: 2018									
PPI: 001	Flow Measuring Point: <input type="checkbox"/> Influent <input checked="" type="checkbox"/> Effluent <input type="checkbox"/> No flow generated	Parameter Monitoring Point: <input type="checkbox"/> Influent <input checked="" type="checkbox"/> Effluent <input type="checkbox"/> Groundwater Lowering		Surface Water													
Day	Parameter Code	Flow	BOD5	Chloride	Total Residual Chlorine	Fecal Coliform	Ammonia	Nitrate	pH	Total Kjeldahl Nitrogen	Suspended Solids	Turbidity	Temperature	Dissolved Oxygen	Total Phosphorus	Nitrite	Nitrate + Nitrite
1	12:45	170,488			0.086		0.17	4.56	7.26		<2.5	1.58	24.8	7.58			
2	08:20	161,506	<2		0.093	<1	0.17	4.56	7.19	0.390	<2.5	4.11	24.5	7.49	1.45	0.02	4.98
3	10:30	165,840			0.091				7.23			4.20	24.8	7.51			
4	10:15	173,340			0.091				7.23			4.20	23.5	7.43			
5	10:15	165,089			0.089				7.28			4.17	20.8	7.47			
6		164,700															
7		168,738															
8	14:00	168,738			0.083				7.3			4.1	24.5	7.6			
9	08:20	180,890			0.09				7.41			4.25	25.8	7.63			
10	10:15	168,850			0.091				7.37			4.25	25.8	7.48			
11	10:15	160,640			0.09				7.41			4.17	24.8	7.56			
12	08:50	162,880			0.088				7.39			4.17	23.1	7.49			
13		168,900															
14		168,800															
15	10:15	166,980			0.083				7.68			4.1	23.1	7.58			
16	05:00	161,008			0.093				7.41			4.25	22.3	7.49			
17	11:00	167,890			0.09				7.11			4.25	22.1	7.46			
18	10:15	148,180			0.091				7.26			4.25	21.9	7.4			
19	10:00	154,600			0.086				7.21			4.25	20.9	7.51			
20		171,335															
21		161,383															
22	12:00	161,333			0.091				7.21			4.25	19.1	7.51			
23	08:15	163,580	<2		0.093				7.07	0.25	<2.5	4.25	19	7.61	0.85	0.02	4.44
24	10:15	163,780			0.08				7.31			4.25	19	7.48			
25	11:20	161,801			0.091				7.33			4.25	18.7	7.51			
26	12:56	164,201			0.093				7.39			4.25	18.7	7.55			
27		168,333															
28		168,533															
29	14:15	168,533			0.091				7.39			4.25	20.8	7.51			
30	11:45	167,580			0.091				7.13			4.25	17.9	7.55			
31	10:00	168,210			0.08				7.38			4.25	18.7	7.55			
Average:		171,712	0.00		0.08	1.00	0.08	4.72		0.32	0.00	4.12	22.03	7.49	1.15	0.00	4.72
Daily Maximum:		205,383	2.00		0.10	1.65	0.17	4.59	7.68	0.39	2.50	5.91	25.80	7.61	1.45	0.02	4.99
Daily Minimum:		145,720	2.00		0.08	1.00	0.04	4.23	7.07	0.25	2.50	3.40	17.80	7.38	0.85	0.02	4.44
Sampling Type:		30 Minutes	Composite	Composite	Grab	Grab	Composite	Composite	Grab	Composite	Composite	Grab	Calculated	Grab			
Monthly Avg. Limit:		165,168	10			13	4		6.9		5	10					
Daily Limit:			15			28	6				10						
Sample Frequency:		Continuous	2 x Month	1 x Year	5 x Week	2 x Month	2 x Month	2 x Month	5 x Week	2 x Month	2 x Month	5 x Week	5 x Week	2 x Week	2 x Month	2 x Week	

NON-DISCHARGE MONITORING REPORT (NDMR)

Permit No.: WQ0028552		Facility Name: Briar Chapel Development		County: Chatham		Month: October		Year: 2018	
PPI: 001		Flow Measuring Point: <input type="checkbox"/> Influent <input checked="" type="checkbox"/> Effluent <input type="checkbox"/> No flow generated		Parameter Monitoring Point: <input type="checkbox"/> Influent <input checked="" type="checkbox"/> Effluent <input type="checkbox"/> Groundwater Lowering <input type="checkbox"/> Surface Water					
Parameter Code	70295	Flow	mg/L						
Day	1	24-hr	hrs						
ORC Arrival Time	24-hr	hrs	mg/L						
ORC Time On Site	24-hr	hrs	mg/L						
Day	1	24-hr	hrs						
Day	2	24-hr	hrs						
Day	3	24-hr	hrs						
Day	4	24-hr	hrs						
Day	5	24-hr	hrs						
Day	6	24-hr	hrs						
Day	7	24-hr	hrs						
Day	8	24-hr	hrs						
Day	9	24-hr	hrs						
Day	10	24-hr	hrs						
Day	11	24-hr	hrs						
Day	12	24-hr	hrs						
Day	13	24-hr	hrs						
Day	14	24-hr	hrs						
Day	15	24-hr	hrs						
Day	16	24-hr	hrs						
Day	17	24-hr	hrs						
Day	18	24-hr	hrs						
Day	19	24-hr	hrs						
Day	20	24-hr	hrs						
Day	21	24-hr	hrs						
Day	22	24-hr	hrs						
Day	23	24-hr	hrs						
Day	24	24-hr	hrs						
Day	25	24-hr	hrs						
Day	26	24-hr	hrs						
Day	27	24-hr	hrs						
Day	28	24-hr	hrs						
Day	29	24-hr	hrs						
Day	30	24-hr	hrs						
Day	31	24-hr	hrs						
Average: 0.00				0.00					
Daily Maximum: 0.00				0.00					
Daily Minimum: 0.00				0.00					
Sampling Type: Composite				Composite					
Monthly Avg. Limit: 0.00				0.00					
Daily Limit: 0.00				0.00					
Sample Frequency: 3 x Year				3 x Year					

NUN-USCHARGE MONITORING REPORT (NMR)

Name: William Lamm Sampling Person(s)		Name: Environment 1 Certified Laboratories
--	--	--

Does all monitoring data and sampling frequencies meet the requirements in Attachment A of your permit?

☒ Compliant ☐ Non-Compliant

If the facility is non-compliant, explain in the space below the reason(s) the facility was not in compliance. Provide in your explanation the date(s) of the non-compliance and describe the corrective action(s) taken. Attach additional sheets if necessary.

Operator in Responsible Charge (ORC) Certification ORC: William Lamm Certification No.: 11693 Grade: III Phone Number: 252-235-4900 Has the ORC changed since the previous NMR? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Signature: <i>William Lamm</i> Date: 11/30/18		Permittee: Old North State Water Company Signing Official: Michael J. Myers Phone Number: 918-971-3469 Permit Expiration: 3/31/2019 Date: 11/31/18
--	--	---

Mail Original and Two Copies to:
 Division of Water Resources
 Information Processing Unit
 1617 Mail Service Center
 Raleigh, North Carolina 27698-1617

NON-DISCHARGE MONITORING REPORT (NDMR)

Permit No.: WQ0028552		Facility Name: Briar Chapel Development		County: Chatham		Month: August		Year: 2019								
PPI:	001	Flow Measuring Point:		Parameter Monitoring Point:		Influent		Effluent								
		<input type="checkbox"/> Influent <input checked="" type="checkbox"/> Effluent		<input type="checkbox"/> Influent <input checked="" type="checkbox"/> Effluent		<input type="checkbox"/> Groundwater Lowering		<input type="checkbox"/> Surface Water								
Day	ORC Arrival	ORC Time On Site	Flow	BOD5	Chloride	Total Residual Chlorine	Fecal Coliform	Ammonia	Nitrate	Total Kjeldahl Nitrogen	Total Nitrogen	pH	Total Phosphorus	Total Dissolved Solids	Total Suspended Solids	Turbidity
1	08:00	2.5	153,560			0.9						7.91				NTU
2	08:55	2.5	173,100			0.9						7.88				3.34
3			214,700													3.31
4			214,700													3.5
5	12:35	2.5	214,700			0.91						7.99				3.6
6	13:15	2.5	159,500	<2.0		0.84	<1	0.5	0.41	0.66	0.77	7.97	0.388		<2.5	3.71
7	10:45	2.5	203,300			0.93						7.89				3.81
8	10:40	2.5	192,500			0.9						7.91				3.52
9	10:30	2.25	180,900			0.87						7.92				3.44
10			179,067													3.55
11			179,067													3.6
12	09:55	2.5	179,067			0.9						7.99				3.7
13	12:40	2.5	187,400			0.93						7.96				3.47
14	10:30	3	186,200			0.87						7.94				3.55
15	08:20	3	176,400			0.9						7.91				3.44
16	10:35	3	172,900			0.89						7.96				3.4
17			207,887													3.41
18			287,887													3.5
19	14:25	2.5	207,887			0.87						7.89				3.5
20	12:50	2.5	189,900	<2.0		0.93	<1	0.5	2.97	0.5	3.47	7.87	0.65		<2.5	3.53
21	10:35	2.5	184,600			0.9						7.87				3.51
22	07:50	2.5	176,300			0.91						7.91				2.71
23	10:05	2.5	98,100			0.91						7.84				2.7
24			128,333													2.75
25			128,333													2.8
26	13:40	2	128,333			0.88						7.69				2.8
27	08:00	2.25	164,800			0.9						7.81				5.51
28	18:00	2	268,400			0.91						7.79				5.59
29	10:35	2	221,500			0.88						7.81				5.41
30	11:20	2	154,900			0.91						7.81				4.9
31			0													2.88
																2.95
	Average:		175,821	0.00		0.90	1.00	0.50	1.54	0.58	2.12		0.51		8.00	3.59
	Daily Maximum:		259,400	2.00		0.93	1.00	0.50	2.97	0.66	3.47	7.99	0.65		2.60	5.59
	Daily Minimum:		0	2.00		0.84	1.00	0.50	0.11	0.50	8.77	7.69	0.37		2.59	2.70
	Sampling Type:		Recorder	Composite		Grab	Grab	Composite	Composite	Composite	Composite	Grab	Composite	Composite	Composite	Recorder
	Monthly Limit:		260,000	10			14	4							5	
	Daily Limit:			15			25	6				6-9			10	
	Sample Frequency:		Continuous	2 X Month	3 X Year	5 X Week	2 X Month	2 X Month	2 X Month	2 X Month	2 X Month	5 X Week	2 X Month	2 X Year	2 X Month	Continuous

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DEC 20 2019

NON-DISCHARGE MONITORING REPORT (NDMR)

Permit No.: WQ0028552		Facility Name: Briar Chapel Development		County: Chatham		Month: August		Year: 2019	
PPI: 002		Flow Measuring Point:		Parameter Monitoring Point:		Month: August		Year: 2019	
		<input type="checkbox"/> Inflow <input checked="" type="checkbox"/> Effluent <input type="checkbox"/> No flow generated		<input type="checkbox"/> Inflow <input type="checkbox"/> Effluent <input type="checkbox"/> Groundwater Lowering <input type="checkbox"/> Surface Water					
Day	Parameter Code	ORC Arrival Time	ORC Time On Site	WQ01	Reclaimed Water	Distributed			
1	24-hr	Gallons							
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average:		558,000							
Daily Maximum:		558,000							
Daily Minimum:		558,000							
Sampling Type:		Recorder							
Monthly Limit:									
Daily Limit:									
Sample Frequency:		Monthly							

NON-DISCHARGE MONITORING REPORT (NDMR)

Sampling Person(s) Name: William Lamm Name:	Certified Laboratories Name: Meritech, Inc. Name:
--	--

Does all monitoring data and sampling frequencies meet the requirements in Attachment A of your permit?

If the facility is non-compliant, please explain in the space below the reason(s) the facility was not in compliance. Provide in your explanation the date(s) of the non-compliance and describe the corrective action(s) taken. Attach additional sheets if necessary.

--

Operator in Responsible Charge (ORC) Certification		Permittee Certification	
ORC: William Lamm	Permittee: Old North State Water Company		
Certification No.: 11693	Signing Official: Michael J. Myers		
Grade: III	Signing Official's Title: President		
Phone Number: 252-235-4900	Phone Number: 919-971-3469	Permit Expiration: 3/31/2021	
Has the ORC changed since the previous NDMR? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Michael J. Myers</i>		<i>9/30/19</i>
By this signature I certify that this report is accurate and complete to the best of my knowledge. <i>William Lamm</i>	Signature <i>Michael J. Myers</i>		Date <i>9/30/19</i>

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that all qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Mail Original and Two Copies to:
 Division of Water Resources
 Information Processing Unit
 1617 Mail Service Center
 Raleigh, North Carolina 27699-1617

**Briar Chapel
Annual Wastewater Performance Report
January 1, 2018-December 31, 2018**

I. General Information

Facility/System Name: Briar Chapel Development

Responsible Entity: EnviroLink, Inc.

Person in Charge/Contact: William Lamm, ORC

Applicable Permit (s): WQ0028552 and WQCS00372

We are pleased to present your Wastewater Annual Report. The Clean Water Act of 1999, passed by the North Carolina Assembly, requires Utilities to provide an annual report to their wastewater customers. This report summarizes the performances of your wastewater system over a 12-month period (January 1, 2018-December 31, 2018).

Description of Treatment Process:

- 250,000 GPD extended aeration wastewater treatment plant consisting of: dual static screens for grit removal, a manually cleaned bar screen
- 75,400-gallon aerated flow equalization basin with two 225 GPM variable speed pumps each with an influent flow meter and one aerator
- Two 31,500-gallon anoxic chambers each with two 3 hp mixers
- Two 189,000-gallon aeration basins each with two 10 hp aerators
- Two 31,500-gallon clarifiers each with one variable speed sludge return pump
- 1- 75,400-gallon sludge holding basin with one variable speed decanting pump one 7.5 hp aerator
- 10,730-gallon chlorine contact chamber with two variable speed chlorine injection pumps, 15,800-gallon mud well with two 200 GPM return pumps
- Two 90 square foot tertiary filters
- 13,800 gallon clear well with four 675 GPM backwash pumps
- Dual banks of ultraviolet modules each with 10 bulbs
- 1- 6,850-gallon dechlorination chamber with two air diffusers
- An effluent flow measuring device, an effluent turbid meter
- A permanent auxiliary generator, and all associated piping, valves and appurtenances
- The continued operation of a 3.5 MG clay lined five day upset pond with a 400 GPM dual submersible pump station and audible/visual alarms and a 21.3 MG clay lined central storage pond with dual 2,000 GPM flooded suction pumps.

The treated wastewater is then sent to spray irrigation zones which are located throughout the property's common areas.

II. Performance

During the calendar year of 2018, all monitoring data and sampling frequencies are current and reported to the State accordingly. Also, the flow meter was calibrated in 2018 by Johnson Inc.

January – Compliant

February - Compliant

March - Compliant

April - Compliant

May - Compliant

June - Compliant

July - Compliant

August - Compliant

September - Compliant

October - Compliant

November - Compliant


December - Compliant

III. Notification

This report was given to the authorities of Briar Chapel Development.

IV. Certification

I certify under penalty of law that this report is complete and accurate to the best of my knowledge. I certify that this report has been made available to users or customers of the named system and that those users have been notified of its availability.


Michael J. Myers
Briar Chapel

Date _____

Briar Chapel Community Association

Woods Charter School

September 11, 2019 7:00 pm

Today's meeting was requested by Rick Bolich to exchange & clarify information with Briar Chapel residents about the roles & responsibilities among Envirolink, the NC Department of Environmental Quality & Briar Chapel residents.

Moderator: Jim Proper, Resident Member BOD

Guest: Rick Bolich, Assistant Supervisor, Division of Water Resources
NC Department of Environmental Quality
3800 Barrett Drive, Raleigh, NC 27699-1628
919-791-4200, rick.bolich@ncdenr.gov

Agenda

1. Welcome, Introductions & Purposes
2. Overview of the wastewater collection system & treatment permits for Briar Chapel
3. Roles & responsibilities for Envirolink to operate & maintain the facilities in accordance with the permit
4. Roles & responsibilities for NC DEQ DWR for enforcing these permits
5. Summary of actions taken & to be taken by DWR & Envirolink
6. Questions & Answers Briar Chapel residents are asked to state their name & address.
7. Next Steps
8. Homeward Bound / Thank You

Briar Chapel Community Association

Woods Charter School

September 11, 2019 7:00 pm

Overview of the wastewater collection system & treatment permits for Briar Chapel – Permits issued to Old North State Water Company LLC:

1. Collection System permit #WQCS00372
 1. 7 miles force main, 19 miles gravity, 12 pump stations
 2. Various fast-track sewer extension permits
2. Wastewater treatment and disposal system permit #WQ0028552
 1. 250,000 gallons/day extended aeration treatment system – permitted to add two more 250,000 GPD treatment units
 2. Reclaimed water distribution for conjunctive and non-conjunctive use

Roles & responsibilities for ONSWC/Envirolink to operate & maintain the facilities in accordance with the permits:

1. ONSWC has contracted Envirolink to operate and maintain the collection system, wastewater treatment system, and reclaimed water distribution system.
2. Responsibility for operating and maintaining the permits remains with permittee - ONSWC
 1. Envirolink provides the Certified Operator for the permits
 2. ONSWC and Certified Operator are required to report spills and upset conditions

Roles & responsibilities for NC DEQ DWR for enforcing these permits:

1. NCDEQ DWR is responsible for enforcing the permit conditions and applicable Rules and Laws related to wastewater collection, treatment, and disposal.
2. NCDEQ DWR inspects the wastewater treatment plant a minimum of once every two years for permit condition compliance.
3. NCDEQ DWR reviews applications and issues sewer extension permits.
4. NCDEQ DWR reviews the compliance monitoring data submitted by the permittee monthly for the treatment system.
5. NCDEQ has the right to pursue enforcement action, including Civil Penalty Assessments, for violations of permit conditions and applicable state and federal rules pursuant to the Clean Water Act.

6. NCDEQ DWR does not enforce storm water rules (DEMLR).

Summary of actions taken & to be taken by DWR:

1. Civil penalty assessment and settlement agreement for permit condition violations that resulted from irrigation of reclaimed water in the vicinity of the Clubhouse and pickleball/tennis courts last year.
2. 3 Notices of Violations (NOVs) for SSOs in 2017, 3 NOVs for SSOs in 2019 so far.
3. Staff investigated numerous complaints for SSOs and odor.
4. Compliance inspection for collection system on 8/29/18.
5. Compliance inspection for wastewater treatment system and reclaimed water on 9/21/17 and 9/10/19.
6. NCDEQ DWR will be addressing compliance issues related to the recent SSOs and compliance issues noted in the 9/10/19 inspection.
7. NCDEQ DWR will be increasing the inspection frequency of the wastewater treatment and reclaimed water system.

Summary of actions taken & to be taken by ONSWC/Envirolink:

1. Replaced carbon filter serving bar screen and equalization basin last week to address odor problems with treatment plant.
2. Replaced compressor and ordered a back-up compressor for reclaimed water storage pond last week to address odor problems with reclaimed water.
3. Will be installing pressure relief valves on force main lines and changing pump start-up speeds to address SSOs in force mains "within a week".

Permit Enforcement History by Permit

Permit: NC0043559
Region: Raleigh

Facility: Fearington Village WWTP
County: Chatham

Owner: Fitch Creations Inc D/B/A Fearington Utilities

Case	Penalty Assessment Approved	Penalty Amount	Enforcement Costs	Damages	Remission Request Received	Enforcement Conference Held	EMC Hearing Held	Collection Memo Sent To AGO	Total Paid	Balance Due	Has Payment Plan	Case Closed
LM-1998-0075	01/15/99	\$1,575.00	\$316.81		02/08/99	03/31/99			\$1,491.81	\$0.00	No	05/05/99
LV-2007-0374	10/03/07	\$500.00	\$44.46						\$544.46	\$0.00	No	10/17/07
LV-2008-0190	05/29/08	\$500.00	\$49.68		06/17/08	08/13/08			\$549.68	\$0.00	No	09/11/08
LV-2008-0200	06/05/08	\$500.00	\$59.08					09/09/08	\$559.08	\$0.00	No	10/30/08
MV-2012-0001	01/05/12	\$150.00	\$47.54		01/17/12				\$97.54	\$0.00	No	07/31/12
LV-2014-0058	05/01/14	\$1,000.00	\$72.48	\$0.00	05/28/14	08/05/14			\$72.48	\$0.00	No	08/29/14
LV-2018-0081	04/13/18	\$250.00	\$37.78	\$0.00	05/07/18	06/07/18			\$237.78	\$0.00	No	06/28/18
LV-2018-0197	08/10/18	\$250.00	\$37.78	\$0.00	08/30/18	11/01/18			\$237.78	\$0.00	No	12/07/18
LM-2018-0053	11/15/18	\$500.00	\$37.78	\$0.00	12/18/18	02/07/19			\$537.78	\$0.00	No	03/14/19
LV-2018-0278	11/15/18	\$500.00	\$37.78	\$0.00	12/18/18	02/07/19			\$537.78	\$0.00	No	03/14/19
LV-2018-0279	11/15/18	\$312.50	\$37.78	\$0.00	12/20/18	02/07/19			\$350.28	\$0.00	No	03/14/19
LV-2019-0299	11/06/19	\$1,250.00	\$39.64	\$0.00	11/25/19					\$1,289.64	No	
LM-2019-0054	11/19/19	\$250.00	\$39.64	\$0.00						\$289.64	No	
LV-2018-0198		\$0.00								\$0.00	No	
Total Cases:	14	\$7,537.50	\$858.23						\$5,216.45	\$1,579.28		
Total Penalties:			\$8,395.73					Total Penalties after		\$6,795.73		