

Attachment 11
(Oct. 7, 2020 DEQ Plant Certification)

Non-Discharge Branch Upload/Submittal Form

Version 2 - Revised June 23, 2020



OFFICIAL COPY

Nov 29 2023

Initial Review

Reviewer

Thornburg, Nathaniel D

Is this submittal an application? (Excluding additional information.) *

☐ Yes ☒ No

If not an application what is the submittal type? *

- ☐ Annual Report
☐ Residual Annual Report
☐ Additional Information
☒ Other

Permit Number (IR) *

WQ0028552

Applicant/Permittee

Old North State Water Company, LLC

Email Notifications

Does this need review by the hydrogeologist? *

☐ Yes ☒ No

Regional Office

CO Reviewer

Admin Reviewer

Submittal Form

Project Contact Information

Please provide information on the person to be contacted by NDB Staff regarding electronic submittal, confirmation of receipt, and other correspondence.

Name* John F. Phillips

Email Address*

jfphillips@bellsouth.net

Phone Number*

919-467-9972

Project Information

Application/Document Type*

- | | |
|--|--|
| <input type="radio"/> New (Fee Required) | <input type="radio"/> Modification - Minor |
| <input type="radio"/> Modification - Major (Fee Required) | <input type="radio"/> Renewal |
| <input type="radio"/> Renewal with Major Modification (Fee Required) | <input type="radio"/> GW-59, NDMR, NDMLR, NDAR-1, NDAR-2 |
| <input type="radio"/> Annual Report | <input type="radio"/> Residual Annual Report |
| <input type="radio"/> Additional Information | <input type="radio"/> Change of Ownership |
| <input checked="" type="radio"/> Other | |
| Engineering Certification | |

We no longer accept these monitoring reports through this portal. Please click on the link below and it will take you to the correct form.

https://edocs.deq.nc.gov/Forms/NonDischarge_Monitoring_Report

Permit Type:*

- | | |
|---|--|
| <input type="radio"/> Wastewater Irrigation | <input type="radio"/> High-Rate Infiltration |
| <input type="radio"/> Other Wastewater | <input checked="" type="radio"/> Reclaimed Water |
| <input type="radio"/> Closed-Loop Recycle | <input type="radio"/> Residuals |
| <input type="radio"/> Single-Family Residence Wastewater Irrigation | <input type="radio"/> Other |

Permit Number:*

WQ0028552

Has Current Existing permit number

Applicant/Permittee Address*

3212 6th Avenue South - Suite 200, Birmingham, AL 35222

Facility Name*

Briar Chapel WWTP

Please provide comments/notes on your current submittal below.

This is Partial Certification No. 2 for this Project. This Certification is for the completed modifications to the original 250,000 gpd wastewater treatment plant. Partial Certification No. 1 was for the completed construction of the new 250,000 gpd addition to the original plant. With the completed construction represented by Partial Certifications No. 1 and No. 2, the Briar Chapel WWTP now has a treatment capacity of 500,000 gpd.

The Final Engineering Certification will be submitted when the odor control system, site lighting, and other non-treatment related tasks are completed.

At this time, paper copies are no longer required. If you have any questions about what is required, please contact Nathaniel Thornburg at nathaniel.thornburg@ncdenr.gov.

Please attach all information required or requested for this submittal to be reviewed here.*

(Application Form, Engineering Plans, Specifications, Calculations, Etc.)

Engineering (Partial) Certification No. 2 - Briar Chapel

1.31MB

WWTP 10-7-2022.pdf

Upload only 1 PDF document (less than 250 MB). Multiple documents must be combined into one PDF file unless file is larger than upload limit.

- * ☒ By checking this box, I acknowledge that I understand the application will not be accepted for pre-review until the fee (if required) has been received by the Non-Discharge Branch. Application fees must be submitted by check or money order and made payable to the North Carolina Department of Environmental Quality (NCDEQ). I also confirm that the uploaded document is a single PDF with all parts of the application in correct order (as specified by the application).

Mail payment to:

NCDEQ – Division of Water Resources
Attn: Non-Discharge Branch
1617 Mail Service Center

Signature

John F. Phillips

Submission Date

10/7/2022

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Nov 29 2023

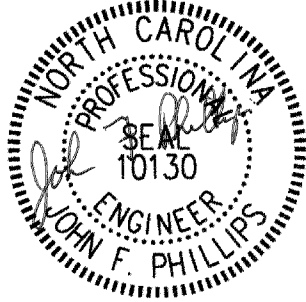
Permit No. WQ0028552

Reclaimed Water Generation, Dedicated Utilization, and
Wastewater Irrigation SystemOld North State Water Company, LLC
Briar Chapel WWTPMay 24, 2021
Chatham County**ENGINEERING CERTIFICATION**☒ Partial ☐ Final
Number 2

I, John F. Phillips, P.E., as a duly licensed North Carolina Professional Engineer, having ☒ periodically / ☐ fully observed the construction of the permitted facilities, do hereby state to the best of my abilities that the facility was constructed in compliance with G.S. 143-215.1, Administrative Code Title 15A Subchapter 02U, this permit, and the Division-approved plans and specifications.

~~Documentation of any variation to this permit, and the Division approved plans and specifications, is in the attached as built drawings.~~

Partial Certification No. 2:
Description of ~~variations~~ the completed construction represented by this Partial Certification is
the approved modifications to the original 250,000 gpd Briar Chapel WWTP, identified as Phase 2 in the
approved plans. **With this Certification, the Briar Chapel WWTP now has a 500,000 GPD treatment**
capacity. The Phase 2 work included the replacement of the Flow Eq. and RAS pumps with new pumps and
and control systems, replacement of anoxic zone floating mixers with submersible mixers, replacement of floating
aerators with fine bubble diffused aeration systems, and replacement of motor actuated filter valves. Final
Certification will be issued when odor control system, site lighting, and other non-treatment related work is completed.

John F. Phillips, P.E.			
Professional Engineer's Name			
Diehl & Phillips, P.A.	C-0465		
Firm Name	Firm No.		
1500 Piney Plains Road, Suite 200			
Address			
Cary	NC	27518	
City	State	Zip Code	
919-467-9972	jfphillips@bellsouth.net		
Telephone	Email		
			10-7-2022
			Seal, Signature, and Date

THE COMPLETED ENGINEERING CERTIFICATION, INCLUDING ALL SUPPORTING DOCUMENTATION, SHALL BE SENT TO THE FOLLOWING ADDRESS:

**NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF WATER RESOURCES
NON-DISCHARGE BRANCH**

By U.S. Postal Service
1617 MAIL SERVICE CENTER
RALEIGH, NORTH CAROLINA 27699-1617

By Courier/Special Delivery
512 N. SALISBURY ST.
RALEIGH, NORTH CAROLINA 27604

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