

ROY COOPER  
Governor  
MICHAEL S. REGAN  
Secretary  
LINDA CULPEPPER  
Interim Director



NORTH CAROLINA  
Environmental Quality

November 30, 2018

Michael J. Myers, President  
Old North State Water Company, LLC  
4700 Homewood Court, Suite 108  
Raleigh, NC 27609

Subject: Permit No. WQ0040476  
Old North State Water Company, LLC  
Briar Chapel – Phase 12  
Wastewater Collection System Extension Permit  
Chatham County

Dear Mr. Myers.:

In accordance with your application received October 11, 2018, and additional information received on November 29, 2018, we are forwarding herewith Permit No. WQ0040476 dated November 30, 2018, to the Old North State Water Company, LLC (Permittee) for the construction and operation upon certification of the subject wastewater collection system extension. This permit shall be effective from the date of issuance until rescinded and shall be subject to the conditions and limitations as specified therein. This cover letter shall be considered a part of this permit and is therefore incorporated therein by reference.

Please pay particular attention to the following conditions contained within this permit:

- Condition II.1: This permit shall not be automatically transferable; a permit modification request for a name change must first be approved by this office.
- Condition II.4: Requires that the wastewater collection facilities be properly operated and maintained in accordance with 15A NCAC 2T .0403 or any individual system-wide collection system permit issued to the Permittee.

It shall be the responsibility of the Permittee to ensure that the as-constructed project meets the appropriate design criteria and rules. Failure to comply may result in penalties in accordance with North Carolina General Statute §143-215.6A through §143-215.6C, construction of additional or replacement wastewater collection facilities, and/or referral of the North Carolina-licensed Professional Engineer to the licensing board.

If any parts, requirements, or limitations contained in this permit are unacceptable, you have the right to request an adjudicatory hearing upon written request within 30 days following receipt of this permit. This request must be in the form of a written petition, conforming to Chapter 150B of North Carolina General



Old North State Water Company, LLC  
Permit No. WQ0040476

Statutes, and filed with the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, NC 27699-6714. Unless such demands are made, this permit shall be final and binding.

If you need additional information concerning this matter, please contact Jason Robinson at (919) 791-4200 or via e-mail at [jason.t.robinson@ncdenr.gov](mailto:jason.t.robinson@ncdenr.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "S. Daniel Smith". The signature is written in a cursive style and is positioned above a horizontal line.

*for* Linda Culpepper.  
Interim Director, Division of Water Resources

*by* S. Daniel Smith, Regional Supervisor  
Water Quality Regional Operations Section  
Raleigh Regional Office  
Division of Water Resources, NCDEQ

cc: Gareth Avant @ McKim & Creed, Inc: [gavant@mckimcreed.com](mailto:gavant@mckimcreed.com)  
Chatham County Health Department  
Raleigh Regional Office Files  
Water Resources Central Files

# North Carolina Department of Environmental Quality

STATE OF NORTH CAROLINA  
ENVIRONMENTAL MANAGEMENT COMMISSION  
DEPARTMENT OF ENVIRONMENTAL QUALITY

WASTEWATER COLLECTION SYSTEM EXTENSION PERMIT

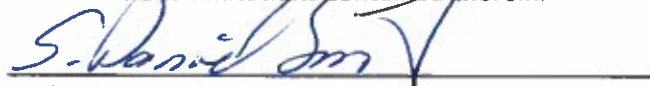
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In accordance with the provisions of Article 21 of Chapter 143, General Statutes of North Carolina as amended, and other applicable Laws, Rules, and Regulations, permission is hereby granted to the

Old North State Water Company, LLC  
Chatham County

for the construction and operation of approximately 6,331 linear feet of 8-inch gravity sewer as well as approximately 1,687 linear feet of 4-inch force main to serve 132 homes as part of the Briar Chapel – Phase 12 project, and the discharge of 25,080 gallons per day of collected domestic wastewater into Briar Chapel’s existing sewerage system, pursuant to the application received October 11, 2018, and additional information received on November 29, 2018 and in conformity with 15A NCAC 2T; the Division’s Gravity Sewer Minimum Design Criteria adopted February 12, 1996 and updated in March 2008, as applicable; the Division’s Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 and updated March 2008, as applicable; and other supporting data subsequently filed and approved by the Department of Environmental Quality and considered a part of this permit.

This permit shall be effective from the date of issuance until rescinded and shall be subject to the specified conditions and limitations contained therein.



Linda Culpepper  
Interim Director, Division of Water Resources  
By Authority of The Environmental Management Commission

Permit Number: WQ0040476  
Permit Issued: November 30, 2018

# SUPPLEMENT TO PERMIT COVER SHEET

Old North State Water Company, LLC is hereby authorized to:

Construct, and then operate upon certification the aforementioned wastewater collection extension. The sewage and wastewater collected by this system shall be treated in the Briar Chapel Development Reclaimed Water Treatment Facility in accordance with Permit Number WQ0028552.

Permitting of this project does not constitute an acceptance of any part of the project that does not meet 15A NCAC 2T; the Division's Gravity Sewer Minimum Design Criteria adopted February 12, 1996 and updated March 2008, as applicable; and the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 and updated March 2008, as applicable, unless specifically mentioned herein. Division approval is based on acceptance of the certification provided by a North Carolina-licensed Professional Engineer in the application. It shall be the Permittee's responsibility to ensure that the as-constructed project meets the appropriate design criteria and rules.

Construction and operation is contingent upon compliance with the Standard Conditions and any Special Conditions identified below.

## I. SPECIAL CONDITIONS

No Special Conditions.

## II. STANDARD CONDITIONS

1. This permit shall not be transferable. In the event there is a desire for the wastewater collection facilities to change ownership, or there is a name change of the Permittee, a formal permit request shall be submitted to the Division accompanied by documentation from the parties involved, and other supporting materials as may be appropriate. The approval of this request shall be considered on its merits and may or may not be approved. [15A NCAC 02T.0104; G.S 143-215.1(d3)]
2. This permit shall become voidable unless the wastewater collection facilities are constructed in accordance with the conditions of this permit; 15A NCAC 2T; the Division's Gravity Sewer Minimum Design Criteria adopted February 12, 1996 and updated March 2008, as applicable; the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 and updated March 2008, as applicable; and other supporting materials unless specifically mentioned herein. [15A NCAC 02T.0110]
3. This permit shall be effective only with respect to the nature and volume of wastes described in the application and other supporting data. [15A NCAC 02T .0110]
4. The wastewater collection facilities shall be properly maintained and operated at all times. The Permittee shall maintain compliance with an individual system-wide collection system permit for the operation and maintenance of these facilities as required by 15A NCAC 2T .0403. If an individual permit is not required, the following performance criteria shall be met: [15A NCAC 02T .0108(b)]:

- a. The sewer system shall be effectively maintained and operated at all times to prevent discharge to land or surface waters, and to prevent any contravention of groundwater standards or surface water standards.
  - b. A map of the sewer system shall be developed and shall be actively maintained.
  - c. An operation and maintenance plan including pump station inspection frequency, preventative maintenance schedule, spare parts inventory and overflow response has been developed and implemented.
  - d. Pump stations that are not connected to a telemetry system shall be inspected every day (i.e. 365 days per year). Pump stations that are connected to a telemetry system shall be inspected at least once per week.
  - e. High-priority sewer lines shall be inspected at least once per every six-months and inspections are documented.
  - f. A general observation of the entire sewer system shall be conducted at least once per year.
  - g. Overflows and bypasses shall be reported to the appropriate Division regional office in accordance with 15A NCAC 2B .0506(a), and public notice shall be provided as required by North Carolina General Statute §143-215.1C.
  - h. A Grease Control Program is in place as follows:
    1. For public owned collection systems, the Grease Control Program shall include at least biannual distribution of educational materials for both commercial and residential users and the legal means to require grease interceptors at existing establishments. The plan shall also include legal means for inspections of the grease interceptors, enforcement for violators and the legal means to control grease entering the system from other public and private satellite sewer systems.
    2. For privately owned collection systems, the Grease Control Program shall include at least bi-annual distribution of grease education materials to users of the collection system by the permittee or its representative.
    3. Grease education materials shall be distributed more often than required in Parts (1) and (2) of this Subparagraph if necessary to prevent grease-related sanitary sewer overflows.
  - i. Right-of-ways and easements shall be maintained in the full easement width for personnel and equipment accessibility.
  - j. Documentation shall be kept for Subparagraphs (a) through (i) of this Rule for a minimum of three years with exception of the map, which shall be maintained for the life of the system.
5. The Permittee shall report by telephone to a water resources staff member at the Raleigh Regional Office, telephone number (919) 791-4200, as soon as possible, but in no case more than 24 hours, following the occurrence or first knowledge of the occurrence of either of the following:

- a. Any process unit failure, due to known or unknown reasons, that renders the facility incapable of adequate wastewater transport, such as mechanical or electrical failures of pumps, line blockage or breakage, etc.; or
- b. Any SSO and/or spill over 1,000 gallons; or
- c. Any SSO and/or spill, regardless of volume, that reaches surface water

Voice mail messages or faxed information is permissible, but this shall not be considered as the initial verbal report. Overflows and spills occurring outside normal business hours may also be reported to the Division of Emergency Management at telephone number (800) 858-0368 or (919) 733-3300. Persons reporting any of the above occurrences shall file a spill report by completing and submitting Part I of Form CS-SSO (or the most current Division approved form) within five days following first knowledge of the occurrence. This report must outline the actions taken or proposed to be taken to ensure that the problem does not recur. Part II of Form CS-SSO (or the most current Division approved form) can also be completed to show that the SSO was beyond control. [G.S. 143-215.1C(a1)]

- 6. Construction of the gravity sewers, pump stations, and force mains shall be scheduled so as not to interrupt service by the existing utilities nor result in an overflow or bypass discharge of wastewater to the surface waters of the State. [15A NCAC 02T.0108(b)]
- 7. Upon completion of construction and prior to operation of these permitted facilities, the completed Engineering Certification form attached to this permit shall be submitted with the required supporting documents to the address provided on the form. A complete certification is one where the form is fully executed and the supporting documents are provided as applicable. Any wastewater flow made tributary to the wastewater collection system extension prior to completion of this Engineer's Certification shall be considered a violation of the permit and shall subject the Permittee to appropriate enforcement actions.

If the permit is issued to a private entity with an Operational Agreement, then a copy of the Articles of Incorporation, Declarations/Covenants/Restrictions, and Bylaws that have been appropriately filed with the applicable County's Register of Deeds office shall be submitted with the certification.

A complete certification is one where the form is fully executed and the supporting documents are provided as applicable. Supporting documentation shall include the following:

- a. One copy of the project construction record drawings (plan & profile views of sewer lines & force mains) of the wastewater collection system extension. Final record drawings should be clear on the plans or on digital media (CD or DVD disk) and are defined as the design drawings that are marked up or annotated with after construction information and show required buffers, separation distances, material changes, etc.
- b. One copy of the supporting applicable design calculations including pipe and pump sizing, velocity, pump cycle times, and level control settings, pump station buoyancy, wet well storage, surge protection, detention time in the wet well, and force main, ability to flush low points in force mains with a pump cycle, and downstream sewer capacity analysis. If a portable power source or pump is dedicated to multiple stations, an evaluation of all the pump stations' storage capacities and the rotation schedule of the portable power source or pump, including travel timeframes, shall be provided.

- c. Changes to the project that do not result in non-compliance with this permit, regulations, or the Minimum Design Criteria should be clearly identified on the record drawings, on the certification in the space provided, or in written summary form.

**Prior to Certification (Final or Partial):** Permit modifications are required for any changes resulting in non-compliance with this permit (including pipe length increases of 10% or greater, increased flow, pump station design capacity design increases of 5% or greater, and increases in the number/type of connections), regulations, or the Minimum Design Criteria. Requested modifications or variances to the Minimum Design Criteria will be reviewed on a case-by-case basis and each on its own merit. Please note that variances to the Minimum Design Criteria should be requested and approved during the permitting process prior to construction. After-construction requests are discouraged by the Division and may not be approved, thus requiring replacement or repair prior to certification & activation. [15A NCAC 02T .0116]

8. Gravity sewers installed greater than ten percent below the minimum required slope per the Division's Gravity Sewer Minimum Design Criteria shall not be acceptable and shall not be certified until corrected. If there is an unforeseen obstacle in the field where all viable solutions have been examined, a slope variance can be requested from the Division with firm supporting documentation. This shall be done through a permit modification with fee. Such variance requests will be evaluated on a case-by-case basis. Resolution of such request shall be evident prior to completing and submitting the construction certification. [ 15A NCAC 02T.0105(n)]
9. A copy of the construction record drawings shall be maintained on file by the Permittee for the life of the wastewater collection facilities. [15A NCAC 02T .0116]
10. Failure to abide by the conditions and limitations contained in this permit; 15A NCAC 2T; the Division's Gravity Sewer Design Criteria adopted February 12, 1996 and updated March 2008, as applicable; the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Station and Force Mains adopted June 1, 2000 and updated March 2008 as applicable; and other supporting materials may subject the Permittee to an enforcement action by the Division, in accordance with North Carolina General Statutes §143-215.6A through §143-215.6C, construction of additional or replacement wastewater collection facilities, and/or referral of the North Carolina-licensed Professional Engineer to the licensing board. [15A NCAC 02T .0104; 15A NCAC 02T .0108(b-c)]
11. In the event that the wastewater collection facilities fail to perform satisfactorily, including the creation of nuisance conditions, the Permittee shall take immediate corrective action, including those as may be required by this Division, such as the construction of additional or replacement facilities. [15A NCAC 02T .0110; 15A NCAC 02T .0108(b)]
12. The issuance of this permit shall not exempt the Permittee from complying with any and all statutes, rules, regulations, or ordinances that may be imposed by the Division any other Federal, State, or Local government agencies which have jurisdiction or obtaining other permits which may be required by the Division or any other Federal, State, of Local government agencies. [G.S. 143-215.1(b)]







ROY COOPER  
*Governor*

MICHAEL S. REGAN  
*Secretary*

S. JAY ZIMMERMAN  
*Director*

February 3, 2017

DWR Project # 05-0732 v37  
Chatham County

NNP Briar Chapel, LLC  
Attn: Mr. Bill Mumford  
1312 Briar Chapel Parkway  
Chapel Hill, NC 27515

Re: **APPROVAL of 401 Water Quality Certification with Additional Conditions -  
MODIFICATION**  
Briar Chapel  
USACE Action ID. No. SAW-2001-21252

Dear Mr. Mumford:

Attached hereto is a copy of Certification No. 3567 issued to Mr. Bill Mumford of NNP Briar Chapel, LLC, Inc., dated February 3, 2017. **This Certification replaces the Certifications issued to you on May 9, 2006, January 11, 2008, July 21, 2009, July 24, 2009 and August 31, 2009.** This modification was requested by the applicant to authorize additional impacts V through Z, reduced the amount of previously approved impacts based on as-built measurements, and remove a condition to monitoring surface water and groundwater. Please note that you should get any other federal, state or local permits before proceeding with the subject project, including those required by (but not limited to) Sediment and Erosion Control, Non-Discharge, and Water Supply Watershed regulations.

This approval and its conditions are final and binding unless contested. This Certification can be contested as provided in General Statute 150B by filing a written petition for an administrative hearing to the Office of Administrative Hearings (hereby known as OAH) **within sixty (60) calendar days.**

A petition form may be obtained from the OAH at <http://www.ncoah.com/> or by calling the OAH Clerk's Office at (919) 431-3000 for information. A petition is considered filed when the original and one (1) copy along with any applicable OAH filing fee is received in the OAH during normal office hours (Monday through Friday between 8:00am and 5:00pm, excluding official state holidays).

The petition may be faxed to the OAH at (919) 431-3100, provided the original and one copy of the petition along with any applicable OAH filing fee is received by the OAH within five (5) business days following the faxed transmission.

Mailing address for the OAH:

*If sending via US Postal Service:*

Office of Administrative Hearings  
6714 Mail Service Center  
Raleigh, NC 27699-6714

*If sending via delivery service (UPS, FedEx, etc):*

Office of Administrative Hearings  
1711 New Hope Church Road  
Raleigh, NC 27609-6285

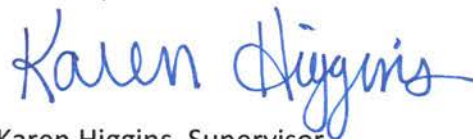
One (1) copy of the petition must also be served to Department of Environmental Quality:

Sam M. Hayes, General Counsel  
Department of Environmental Quality  
1601 Mail Service Center  
Raleigh, NC 27699-1601

**Unless such a petition is filed, this Certification shall be final and binding.**

This certification completes the review of the Division under section 401 of the Clean Water Act and 15A NCAC 02H .0500. Contact me at 919-807-6360 or [karen.higgins@ncdenr.gov](mailto:karen.higgins@ncdenr.gov) or Jennifer Burdette at 919-807-6364 or [jennifer.burdette@ncdenr.gov](mailto:jennifer.burdette@ncdenr.gov) if you have any questions or concerns.

Sincerely,



Karen Higgins, Supervisor  
401 & Buffer Permitting Branch

cc: Chris Huysman, Wetlands & Waters, Inc., 170 Dew Drop Road, Sparta, NC 28675  
USACE Raleigh Regulatory Field Office  
Todd Bowers, EPA, Sam Nunn Federal Center, 61 Forsyth Street SW, Atlanta, GA 30303  
DWR RRO 401 file  
DWR 401 & Buffer Permitting Branch file

**NORTH CAROLINA 401 WATER QUALITY CERTIFICATION**

**CERTIFICATION #3567** is issued in conformity with the requirements of Section 401, Public Laws 92-500 and 95-217 of the United States and subject to North Carolina’s Regulations in 15A NCAC 02H .0500, to Mr. Bill Mumford and NNP Briar Chapel, LLC, who have authorization for the impacts listed below, as described within the original application received by the N.C. Division of Water Resources (Division) on June 17, 2005, by Public Notice issued by the U. S. Army Corps of Engineers (Corps) on June 14, 2005 and subsequent information on December 12, 2005 and February 24, 2006; the modification request received by the Division on June 7, 2007, by Public Notice issued by the Corps on June 7, 2007, and subsequent information on October 8, 2007, December 7, 2007 and January 11, 2008; the modification request received by the Division on May 8 , 2009, by Public Notice issued by the Corps on May 22, 2009, and subsequent information on received by the Division on May 20, 2009 and June 25, 2009; and the modification request received by the Division on December 8, 2016, by Public Notice issued by the Corps on December 5, 2016, and subsequent information received on January 23, 2016.

The State of North Carolina certifies that this activity will not violate the applicable portions of Sections 301, 302, 303, 306, 307 of the Public Laws 92-500 and PL 95-217 if conducted in accordance with the application, the supporting documentation, and conditions hereinafter set forth.

**This approval requires you to follow the conditions listed in the certification below.**

**Conditions of Certification:**

1. Impacts Approved

The following impacts are hereby approved provided that all of the conditions of the Certification are met. No other impacts are approved, including incidental impacts. [15A NCAC 02B .0506(b) & (c)]

Type of Impact <sup>1</sup>	Amount Approved (units) Permanent	Amount Approved (units) Temporary
	<b>Stream</b>	
Site A	4 linear feet	0 linear feet
Site B	166 linear feet	0 linear feet
Site D	181 linear feet	0 linear feet
Site E	84 linear feet	0 linear feet
Site F	213 linear feet	0 linear feet
Site G	296 linear feet	0 linear feet
Site H	257 linear feet	0 linear feet
Site I - intermittent	83 linear feet	0 linear feet

Type of Impact <sup>1</sup>	Amount Approved (units) Permanent	Amount Approved (units) Temporary
Site M	310 linear feet	0 linear feet
Site O	148 linear feet	0 linear feet
Site S	58 linear feet	0 linear feet
Site T	36 linear feet	0 linear feet
Site U	134 linear feet	0 linear feet
Site V	112 linear feet	0 linear feet
Site Y	135 linear feet	0 linear feet
Site Z	130 linear feet	0 linear feet
Utility Crossing 4	0 linear feet	41 linear feet
Utility Crossing 5	0 linear feet	50 linear feet
Utility Crossing 6	0 linear feet	43 linear feet
<b>Intermittent Stream Total</b>	<b>83 linear feet</b>	<b>0 linear feet</b>
<b>Perennial Stream Total</b>	<b>2,264 linear feet</b>	<b>134 linear feet</b>
<b>Total Stream</b>	<b>2,347 linear feet</b>	<b>134 linear feet</b>
<b>404/401 Wetlands</b>		
Site A	0.0372 acres	0 acres
Site B	0.0018 acres	0 acres
Site D	0.0282 acres	0 acres
Site E	0.0065 acres	0 acres
Site G	0.0095 acres	0 acres
Site I	0.0003 acres	0 acres
Site N	0.3449 acres	0 acres
Site W	0.0051 acres	0 acres
Site X	0.0055 acres	0 acres
<b>Total 404/401 Wetlands</b>	<b>0.4390 acres</b>	<b>0 acres</b>

1 Stream impacts are perennial unless otherwise noted.

2. Compensatory Mitigation

Compensatory stream mitigation shall be accomplished by using 2,127 linear feet of stream mitigation credit at the Harpers Crossroads stream mitigation site and the remaining 137 linear feet of required stream credit (10:1 ratio = 13,700 linear feet) from the 63,412 linear feet of available onsite stream preservation. These mitigation efforts shall be protected through use of three separate Declarations of Covenants and Restrictions – Riparian Areas recorded with the Chatham County Register of Deeds (DB 1371, Page 1174; DB 1372, Page 226; and DB 1291, Page 731).

The Permittee shall provide stream restoration in accordance with the plan entitled 'Harpers Crossroads Stream Restoration Plan,' dated September 2005. The restoration site, which was authorized with a separate DA nationwide permit (USACE Action Id No. 200420489) has already been constructed. The as-built report dated June 12, 2006 states the total stream restoration generated by the project as 2,127 linear feet. Within 90 days of the USACE's determination that the Harpers Crossroads Stream Restoration Project has met the success criteria outlined in the 'Harpers Crossroads Stream Restoration Plan,' the permittee shall arrange for the transfer of the existing conservation easements to a third-party grantee, subject to approval by the USACE.

Type of Impact	Compensatory Mitigation Required	River and Sub-basin Number
Stream (perennial)	2,154 (linear feet)	Cape Fear/03030002

3. Stormwater Management Plan

A final, written stormwater management plan for each future phase shall be submitted to the DWR 401 & Buffer Permitting Branch (1617 Mail Service Center, Raleigh, NC 27699-1617). The stormwater management plan (SMP) shall be designed to treat the runoff from the entire built upon area in the phase in accordance with current 401 Stormwater Requirements and BMP Manual on the date of the submittal. The SMP shall be approved by the Division before any land disturbance associated with that phase may occur. Before any future permanent building or other structure is occupied at the site, the corresponding SMP as approved by the Division shall be constructed and operational. [15A NCAC 02H .0506(b)(5)]

4. Reclaimed Water Generation, Conjunctive Reclaimed Water Utilization, Non-Conjunctive Reclaimed Water Utilization, and Wastewater Irrigation System Permit

Full compliance with Permit WQ0028552, issued by the Non-Discharge Branch of the Division, is required.

5. Water Quality Monitoring

Water quality monitoring completed by Eagle Resources from 2007 to 2015 have not shown water quality impacts from the project. Water quality monitoring required by Condition #11 of the 401 Water Quality Certification issued on May 9, 2006 is no longer required.

6. No waste, spoil, solids, or fill of any kind shall occur in wetlands, waters, or riparian areas beyond the footprint of the impacts depicted in the application for this project. All construction activities, including the design, installation, operation, and maintenance of sediment and erosion control Best Management Practices shall be performed so that no violations of state water quality standards, statutes, or rules occur. Approved plans and specifications for this project are incorporated by reference and are enforceable parts of this certification. [15A NCAC 02H .0501 and .0502]



7. Sediment and Erosion Control

Erosion and sediment control practices must be in full compliance with all specifications governing the proper design, installation and operation and maintenance of such Best Management Practices. If applicable, the project must comply with the specific conditions and requirements of the NPDES Construction Stormwater Permit issued to the site and the following requirements [15A NCAC 02H .0506(b)(3) and (c)(3)]:

- a. Design, installation, operation, and maintenance of the sediment and erosion control measures must be such that they equal or exceed the requirements specified in the most recent version of the *North Carolina Sediment and Erosion Control Manual*. The devices shall be maintained on all construction sites, borrow sites, and waste pile (spoil) projects, including contractor-owned or leased borrow pits associated with the project.
- b. For borrow pit sites, the erosion and sediment control measures must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Surface Mining Manual*.
- c. Reclamation measures and implementation must comply with the reclamation in accordance with the requirements of the Sedimentation Pollution Control Act and the Mining Act of 1971.
- d. Sufficient materials required for stabilization and/or repair of erosion control measures and stormwater routing and treatment shall be on site at all times.

8. Sediment and erosion control measures shall not be placed in wetlands or waters. Exceptions to this condition require application submittal to and written approval by the Division. If placement of sediment and erosion control devices in wetlands and waters is unavoidable, then design and placement of temporary erosion control measures shall not be conducted in a manner that may result in dis-equilibrium of wetlands, stream beds, or banks, adjacent to or upstream and downstream of the above structures. All sediment and erosion control devices shall be removed and the natural grade restored within two (2) months of the date that the Division of Energy, Mineral and Land Resources (DEMLR) or locally delegated program has released the specific area within the project. [15A NCAC 02H .0501 and .0502]

9. Construction Stormwater Permit NCG010000

An NPDES Construction Stormwater Permit is required for construction projects that disturb one (1) or more acres of land. This Permit allows stormwater to be discharged during land disturbing construction activities as stipulated in the conditions of the permit. If your project is covered by this permit, full compliance with permit conditions including the erosion & sedimentation control plan, inspections and maintenance, self-monitoring, record keeping and reporting requirements is required. A copy of the general permit (NCG010000), inspection log sheets, and other information may be found at:

<http://portal.ncdenr.org/web/wq/ws/su/npdessw#tab-w>. [15A NCAC 02H .0506(b)(5) and (c)(5)]

10. Work in the Dry

All work in or adjacent to stream waters shall be conducted so that the flowing stream does not come in contact with the disturbed area. Approved best management practices from the most current version of the NC Sediment and Erosion Control Manual, or the NC DOT Construction and Maintenance Activities Manual, such as sandbags, rock berms, cofferdams, and other diversion structures shall be used to minimize excavation in flowing water. [15A NCAC 02H .0506(b)(3) and (c)(3)]

11. If concrete is used during the construction, then all necessary measures shall be taken to prevent direct contact between uncured or curing concrete and waters of the state. Water that inadvertently contacts uncured concrete shall not be discharged to waters of the state due to the potential for elevated pH and possible aquatic life/fish kills. [15A NCAC 02B .0200]

12. Placement of Culverts and Other Structures in Waters and Wetlands [15A NCAC 02H .0506(b)(2) and (c)(2)]

Culverts required for this project shall be installed in such a manner that the original stream profiles are not altered and to allow for aquatic life movement during low flows. Existing stream dimensions (including the cross section dimensions, pattern and longitudinal profile) must be maintained above and below locations of each culvert.

Placement of culverts and other structures in waters, streams must be below the elevation of the streambed by one (1) foot for all culverts with a diameter greater than 48 inches, and 20 percent of the culvert diameter for culverts having a diameter less than 48 inches, to allow low flow passage of water and aquatic life.

Installation of culverts in wetlands must ensure continuity of water movement and be designed to adequately accommodate high water or flood conditions. Additionally, when roadways, causeways, or other fill projects are constructed across FEMA-designated floodways or wetlands, openings such as culverts or bridges must be provided to maintain the natural hydrology of the system as well as prevent constriction of the floodway that may result in destabilization of streams or wetlands.

The establishment of native, woody vegetation and other soft stream bank stabilization techniques must be used where practicable instead of rip rap or other bank hardening methods.

13. All temporary fill and culverts shall be removed and the impacted area returned to natural conditions, within 60 days of the determination that the temporary impact is no longer necessary. The impacted areas shall be restored to original grade, including each stream's original cross sectional dimensions, plan form pattern, and longitudinal bed and bed profile,

and the various sites shall be stabilized with natural woody vegetation (except approved maintenance areas) and restored to prevent erosion. [15A NCAC 02H .0506(b)(2) and (c)(2)]

14. All temporary pipes/culverts/riprap pads etc, shall be installed in all streams as outlined in the most recent edition of the North Carolina Sediment and Erosion Control Planning and Design Manual so as not to restrict stream flow or cause dis-equilibrium. [15A NCAC 02H .0506(b)(2) and (c)(2)]
15. Any riprap required for proper culvert placement, stream stabilization, or restoration of temporarily disturbed areas shall be restricted to the area directly impacted by the approved construction activity. All riprap shall be buried and/or "keyed in" such that the original stream elevation and streambank contours are restored and maintained. Placement of riprap or other approved materials shall not result in de-stabilization of the stream bed or banks upstream or downstream of the area. [15A NCAC 02H .0506(b)(2)]
16. Any riprap used for stream stabilization shall be of a size and density to prevent movement by wave action, current action, or stream flows and consist of clean rock or masonry material free of debris or toxic pollutants. Riprap shall not be installed in the streambed except in specific areas required for velocity control and to ensure integrity of bank stabilization measures. [15A NCAC 02H .0506(b)(2)]
17. A one-time application of fertilizer to re-establish vegetation is allowed in disturbed areas including riparian buffers, but is restricted to no closer than 10 feet from top of bank of streams. Any fertilizer application must comply with all other Federal, State and Local regulations. [15A NCAC 02B .0231]
18. Deed notifications or similar mechanisms shall be placed on all retained jurisdictional wetlands, waters and protective buffers within the project boundaries in order to assure compliance for future wetland, water and buffer impact. These mechanisms shall be put in place at the time of recording of the property, or of individual lots, whichever is appropriate. A sample deed notification can be downloaded from the 401 & Buffer Permitting Branch website at <http://portal.ncdenr.org/web/wq/swp/ws/401/certsandpermits/apply/forms>. The text of the sample deed notification may be modified as appropriate to suit to this project. Documentation of deed notifications shall be provided to the Division upon request. [15A NCAC 02H .0501 and .0502]
19. This Certification does not relieve the applicant of the responsibility to obtain all other required Federal, State, or Local approvals.



20. Continuing Compliance

Mr. Bill Mumford and NNP Briar Chapel, LLC shall conduct construction activities in a manner consistent with State water quality standards (including any requirements resulting from compliance with section 303(d) of the Clean Water Act) and any other appropriate requirements of State and Federal law. [15A NCAC 02B .0200] If the Division determines that such standards or laws are not being met (including the failure to sustain a designated or achieved use) or that State or federal law is being violated, or that further conditions are necessary to assure compliance, the Division may reevaluate and modify this Certification. Before modifying the Certification, the Division shall notify Mr. Bill Mumford and NNP Briar Chapel, LLC and the U.S. Army Corps of Engineers, provide public notice in accordance with 15A NCAC 02H .0503 and provide opportunity for public hearing in accordance with 15A NCAC 02H .0504. Any new or revised conditions shall be provided to Mr. Bill Mumford and NNP Briar Chapel, LLC in writing, shall be provided to the U.S. Army Corps of Engineers for reference in any Permit issued pursuant to Section 404 of the Clean Water Act, and shall also become conditions of the 404 Permit for the project.

21. This approval is for the purpose and design described in your application and as described in the Public Notice. The plans and specifications for this project are incorporated by reference and are an enforceable part of the Certification. If you change your project, you must notify the Division and you may be required to submit a new application package with the appropriate fee. If the property is sold, the new owner must be given a copy of this Certification and is responsible for complying with all conditions. Any new owner must notify the Division and request the Certification be issued in their name. [15A NCAC 02H .0501 and .0502]
22. The applicant and/or authorized agent shall provide a completed Certificate of Completion Form to the DWR 401 & Buffer Permitting Branch within ten days of project completion (available at: <http://portal.ncdenr.org/web/wq/swp/ws/401/certsandpermits/apply/forms>). [15A NCAC 02H .0502(f)]
23. This certification grants permission to the director, an authorized representative of the Director, or DEQ staff, upon the presentation of proper credentials, to enter the property during normal business hours. [15A NCAC 02H .0502(e)]

This approval to proceed with your proposed impacts or to conduct impacts to waters as depicted in your application shall expire upon expiration of the 404 or CAMA Permit. The conditions in effect on the date of issuance shall remain in effect for the life of the project, regardless of the expiration date of this Certification. [15A NCAC 02H .0507(d)(2) and 15A NCAC 02H .0506]

Non-compliance with or violation of the conditions herein set forth may result in revocation of this Certification and may also result in criminal and/or civil penalties.

This the 3rd day of February 2017



Karen Higgins, Supervisor  
401 & Buffer Permitting Branch

KAH/jab

3567

ROY COOPER  
Governor  
MICHAEL S. REGAN  
Secretary  
LINDA CULPEPPER  
Interim Director



NORTH CAROLINA  
Environmental Quality

November 30, 2018

Michael J. Myers, President  
Old North State Water Company, LLC  
4700 Homewood Court, Suite 108  
Raleigh, NC 27609

Subject: Permit No. WQ0040476  
Old North State Water Company, LLC  
Briar Chapel – Phase 12  
Wastewater Collection System Extension Permit  
Chatham County

Dear Mr. Myers.:

In accordance with your application received October 11, 2018, and additional information received on November 29, 2018, we are forwarding herewith Permit No. WQ0040476 dated November 30, 2018, to the Old North State Water Company, LLC (Permittee) for the construction and operation upon certification of the subject wastewater collection system extension. This permit shall be effective from the date of issuance until rescinded and shall be subject to the conditions and limitations as specified therein. This cover letter shall be considered a part of this permit and is therefore incorporated therein by reference.

Please pay particular attention to the following conditions contained within this permit:

- Condition II.1: This permit shall not be automatically transferable; a permit modification request for a name change must first be approved by this office.
- Condition II.4: Requires that the wastewater collection facilities be properly operated and maintained in accordance with 15A NCAC 2T .0403 or any individual system-wide collection system permit issued to the Permittee.

It shall be the responsibility of the Permittee to ensure that the as-constructed project meets the appropriate design criteria and rules. Failure to comply may result in penalties in accordance with North Carolina General Statute §143-215.6A through §143-215.6C, construction of additional or replacement wastewater collection facilities, and/or referral of the North Carolina-licensed Professional Engineer to the licensing board.

If any parts, requirements, or limitations contained in this permit are unacceptable, you have the right to request an adjudicatory hearing upon written request within 30 days following receipt of this permit. This request must be in the form of a written petition, conforming to Chapter 150B of North Carolina General



Old North State Water Company, LLC  
Permit No. WQ0040476

Statutes, and filed with the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, NC 27699-6714. Unless such demands are made, this permit shall be final and binding.

If you need additional information concerning this matter, please contact Jason Robinson at (919) 791-4200 or via e-mail at [jason.t.robinson@ncdenr.gov](mailto:jason.t.robinson@ncdenr.gov).

Sincerely,

A handwritten signature in blue ink that reads "S. Daniel Smith". The signature is written in a cursive style and is positioned above a horizontal line.

*for* Linda Culpepper.  
Interim Director, Division of Water Resources

*by* S. Daniel Smith, Regional Supervisor  
Water Quality Regional Operations Section  
Raleigh Regional Office  
Division of Water Resources, NCDEQ

cc: Gareth Avant @ McKim & Creed, Inc: [gavant@mckimcreed.com](mailto:gavant@mckimcreed.com)  
Chatham County Health Department  
Raleigh Regional Office Files  
Water Resources Central Files

# North Carolina Department of Environmental Quality

STATE OF NORTH CAROLINA  
ENVIRONMENTAL MANAGEMENT COMMISSION  
DEPARTMENT OF ENVIRONMENTAL QUALITY

WASTEWATER COLLECTION SYSTEM EXTENSION PERMIT

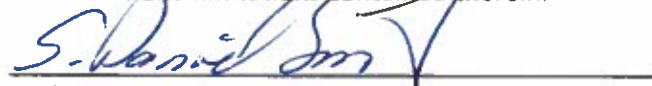
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In accordance with the provisions of Article 21 of Chapter 143, General Statutes of North Carolina as amended, and other applicable Laws, Rules, and Regulations, permission is hereby granted to the

Old North State Water Company, LLC  
Chatham County

for the construction and operation of approximately 6,331 linear feet of 8-inch gravity sewer as well as approximately 1,687 linear feet of 4-inch force main to serve 132 homes as part of the Briar Chapel – Phase 12 project, and the discharge of 25,080 gallons per day of collected domestic wastewater into Briar Chapel’s existing sewerage system, pursuant to the application received October 11, 2018, and additional information received on November 29, 2018 and in conformity with 15A NCAC 2T; the Division’s Gravity Sewer Minimum Design Criteria adopted February 12, 1996 and updated in March 2008, as applicable; the Division’s Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 and updated March 2008, as applicable; and other supporting data subsequently filed and approved by the Department of Environmental Quality and considered a part of this permit.

This permit shall be effective from the date of issuance until rescinded and shall be subject to the specified conditions and limitations contained therein.



Linda Culpepper  
Interim Director, Division of Water Resources  
By Authority of The Environmental Management Commission

Permit Number: WQ0040476  
Permit Issued: November 30, 2018

# SUPPLEMENT TO PERMIT COVER SHEET

Old North State Water Company, LLC is hereby authorized to:

Construct, and then operate upon certification the aforementioned wastewater collection extension. The sewage and wastewater collected by this system shall be treated in the Briar Chapel Development Reclaimed Water Treatment Facility in accordance with Permit Number WQ0028552.

Permitting of this project does not constitute an acceptance of any part of the project that does not meet 15A NCAC 2T; the Division's Gravity Sewer Minimum Design Criteria adopted February 12, 1996 and updated March 2008, as applicable; and the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 and updated March 2008, as applicable, unless specifically mentioned herein. Division approval is based on acceptance of the certification provided by a North Carolina-licensed Professional Engineer in the application. It shall be the Permittee's responsibility to ensure that the as-constructed project meets the appropriate design criteria and rules.

Construction and operation is contingent upon compliance with the Standard Conditions and any Special Conditions identified below.

## I. SPECIAL CONDITIONS

No Special Conditions.

## II. STANDARD CONDITIONS

1. This permit shall not be transferable. In the event there is a desire for the wastewater collection facilities to change ownership, or there is a name change of the Permittee, a formal permit request shall be submitted to the Division accompanied by documentation from the parties involved, and other supporting materials as may be appropriate. The approval of this request shall be considered on its merits and may or may not be approved. [15A NCAC 02T.0104; G.S 143-215.1(d3)]
2. This permit shall become voidable unless the wastewater collection facilities are constructed in accordance with the conditions of this permit; 15A NCAC 2T; the Division's Gravity Sewer Minimum Design Criteria adopted February 12, 1996 and updated March 2008, as applicable; the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 and updated March 2008, as applicable; and other supporting materials unless specifically mentioned herein. [15A NCAC 02T.0110]
3. This permit shall be effective only with respect to the nature and volume of wastes described in the application and other supporting data. [15A NCAC 02T .0110]
4. The wastewater collection facilities shall be properly maintained and operated at all times. The Permittee shall maintain compliance with an individual system-wide collection system permit for the operation and maintenance of these facilities as required by 15A NCAC 2T .0403. If an individual permit is not required, the following performance criteria shall be met: [15A NCAC 02T .0108(b)]:

- a. The sewer system shall be effectively maintained and operated at all times to prevent discharge to land or surface waters, and to prevent any contravention of groundwater standards or surface water standards.
  - b. A map of the sewer system shall be developed and shall be actively maintained.
  - c. An operation and maintenance plan including pump station inspection frequency, preventative maintenance schedule, spare parts inventory and overflow response has been developed and implemented.
  - d. Pump stations that are not connected to a telemetry system shall be inspected every day (i.e. 365 days per year). Pump stations that are connected to a telemetry system shall be inspected at least once per week.
  - e. High-priority sewer lines shall be inspected at least once per every six-months and inspections are documented.
  - f. A general observation of the entire sewer system shall be conducted at least once per year.
  - g. Overflows and bypasses shall be reported to the appropriate Division regional office in accordance with 15A NCAC 2B .0506(a), and public notice shall be provided as required by North Carolina General Statute §143-215.1C.
  - h. A Grease Control Program is in place as follows:
    1. For public owned collection systems, the Grease Control Program shall include at least biannual distribution of educational materials for both commercial and residential users and the legal means to require grease interceptors at existing establishments. The plan shall also include legal means for inspections of the grease interceptors, enforcement for violators and the legal means to control grease entering the system from other public and private satellite sewer systems.
    2. For privately owned collection systems, the Grease Control Program shall include at least bi-annual distribution of grease education materials to users of the collection system by the permittee or its representative.
    3. Grease education materials shall be distributed more often than required in Parts (1) and (2) of this Subparagraph if necessary to prevent grease-related sanitary sewer overflows.
  - i. Right-of-ways and easements shall be maintained in the full easement width for personnel and equipment accessibility.
  - j. Documentation shall be kept for Subparagraphs (a) through (i) of this Rule for a minimum of three years with exception of the map, which shall be maintained for the life of the system.
5. The Permittee shall report by telephone to a water resources staff member at the Raleigh Regional Office, telephone number (919) 791-4200, as soon as possible, but in no case more than 24 hours, following the occurrence or first knowledge of the occurrence of either of the following:

- a. Any process unit failure, due to known or unknown reasons, that renders the facility incapable of adequate wastewater transport, such as mechanical or electrical failures of pumps, line blockage or breakage, etc.; or
- b. Any SSO and/or spill over 1,000 gallons; or
- c. Any SSO and/or spill, regardless of volume, that reaches surface water

Voice mail messages or faxed information is permissible, but this shall not be considered as the initial verbal report. Overflows and spills occurring outside normal business hours may also be reported to the Division of Emergency Management at telephone number (800) 858-0368 or (919) 733-3300. Persons reporting any of the above occurrences shall file a spill report by completing and submitting Part I of Form CS-SSO (or the most current Division approved form) within five days following first knowledge of the occurrence. This report must outline the actions taken or proposed to be taken to ensure that the problem does not recur. Part II of Form CS-SSO (or the most current Division approved form) can also be completed to show that the SSO was beyond control. [G.S. 143-215.1C(a1)]

- 6. Construction of the gravity sewers, pump stations, and force mains shall be scheduled so as not to interrupt service by the existing utilities nor result in an overflow or bypass discharge of wastewater to the surface waters of the State. [15A NCAC 02T.0108(b)]
- 7. Upon completion of construction and prior to operation of these permitted facilities, the completed Engineering Certification form attached to this permit shall be submitted with the required supporting documents to the address provided on the form. A complete certification is one where the form is fully executed and the supporting documents are provided as applicable. Any wastewater flow made tributary to the wastewater collection system extension prior to completion of this Engineer's Certification shall be considered a violation of the permit and shall subject the Permittee to appropriate enforcement actions.

If the permit is issued to a private entity with an Operational Agreement, then a copy of the Articles of Incorporation, Declarations/Covenants/Restrictions, and Bylaws that have been appropriately filed with the applicable County's Register of Deeds office shall be submitted with the certification.

A complete certification is one where the form is fully executed and the supporting documents are provided as applicable. Supporting documentation shall include the following:

- a. One copy of the project construction record drawings (plan & profile views of sewer lines & force mains) of the wastewater collection system extension. Final record drawings should be clear on the plans or on digital media (CD or DVD disk) and are defined as the design drawings that are marked up or annotated with after construction information and show required buffers, separation distances, material changes, etc.
- b. One copy of the supporting applicable design calculations including pipe and pump sizing, velocity, pump cycle times, and level control settings, pump station buoyancy, wet well storage, surge protection, detention time in the wet well, and force main, ability to flush low points in force mains with a pump cycle, and downstream sewer capacity analysis. If a portable power source or pump is dedicated to multiple stations, an evaluation of all the pump stations' storage capacities and the rotation schedule of the portable power source or pump, including travel timeframes, shall be provided.



- c. Changes to the project that do not result in non-compliance with this permit, regulations, or the Minimum Design Criteria should be clearly identified on the record drawings, on the certification in the space provided, or in written summary form.

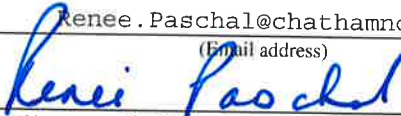
**Prior to Certification (Final or Partial):** Permit modifications are required for any changes resulting in non-compliance with this permit (including pipe length increases of 10% or greater, increased flow, pump station design capacity design increases of 5% or greater, and increases in the number/type of connections), regulations, or the Minimum Design Criteria. Requested modifications or variances to the Minimum Design Criteria will be reviewed on a case-by-case basis and each on its own merit. Please note that variances to the Minimum Design Criteria should be requested and approved during the permitting process prior to construction. After-construction requests are discouraged by the Division and may not be approved, thus requiring replacement or repair prior to certification & activation. [15A NCAC 02T .0116]

8. Gravity sewers installed greater than ten percent below the minimum required slope per the Division's Gravity Sewer Minimum Design Criteria shall not be acceptable and shall not be certified until corrected. If there is an unforeseen obstacle in the field where all viable solutions have been examined, a slope variance can be requested from the Division with firm supporting documentation. This shall be done through a permit modification with fee. Such variance requests will be evaluated on a case-by-case basis. Resolution of such request shall be evident prior to completing and submitting the construction certification. [ 15A NCAC 02T.0105(n)]
9. A copy of the construction record drawings shall be maintained on file by the Permittee for the life of the wastewater collection facilities. [15A NCAC 02T .0116]
10. Failure to abide by the conditions and limitations contained in this permit; 15A NCAC 2T; the Division's Gravity Sewer Design Criteria adopted February 12, 1996 and updated March 2008, as applicable; the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Station and Force Mains adopted June 1, 2000 and updated March 2008 as applicable; and other supporting materials may subject the Permittee to an enforcement action by the Division, in accordance with North Carolina General Statutes §143-215.6A through §143-215.6C, construction of additional or replacement wastewater collection facilities, and/or referral of the North Carolina-licensed Professional Engineer to the licensing board. [15A NCAC 02T .0104; 15A NCAC 02T .0108(b-c)]
11. In the event that the wastewater collection facilities fail to perform satisfactorily, including the creation of nuisance conditions, the Permittee shall take immediate corrective action, including those as may be required by this Division, such as the construction of additional or replacement facilities. [15A NCAC 02T .0110; 15A NCAC 02T .0108(b)]
12. The issuance of this permit shall not exempt the Permittee from complying with any and all statutes, rules, regulations, or ordinances that may be imposed by the Division any other Federal, State, or Local government agencies which have jurisdiction or obtaining other permits which may be required by the Division or any other Federal, State, of Local government agencies. [G.S. 143-215.1(b)]



**North Carolina Department of Environmental Quality  
Division of Water Resources  
Public Water Supply Section**

## Application for Approval of Engineering Plans and Specifications For Water Supply Systems

Applicant	Design Engineer
Chatham County <small>(Name of Board, Council or Owner – the Applicant)</small>	Gareth Avant, P.E. <small>(Name of Design Engineer of Record)</small>
Renee Paschal, County Manager <small>(Name and Title of Authorized Official or Representative of the Applicant)</small>	McKim & Creed, Inc. <small>(Name of Engineering Firm)</small>
12 East Street, Courthouse Annex <small>(Mailing Address)</small>	1730 Varsity Drive, Suite 500 <small>(Mailing Address)</small>
Pittsboro, NC 27312 <small>(City, State &amp; ZIP)</small>	Raleigh, NC, 27606 <small>(City, State &amp; ZIP)</small>
(919) 542-8200 <small>(Phone Number)</small>	(919) 233-8091 <small>(Phone Number)</small>
(919) 542-8272 <small>(FAX Number)</small>	(919) 233-8091 <small>(FAX Number)</small>
Renee.Paschal@chathamnc.org <small>(Email address)</small>	gavant@mckimcreed.com <small>(Email address)</small>
 <small>(Signature of Authorized Official or Representative of the Applicant)</small>	

Project Name: Briar Chapel - Phase 12  
(Name of Project to appear on Public Water Supply Section records and tracking system)

Approximately 1,592 LF of 4-inch ductile iron water main, 145 LF of 6-inch ductile iron water main, and 4,164 LF of 8-inch ductile iron water main and all associated appurtenances.  
(description of project)

West of Phase 13, north of Phase 5 North, off of Great Ridge Parkway.  
(general location of project)

in Chatham County.

Date \_\_\_\_\_  
(for DEQ use only)

Serial No. \_\_\_\_\_  
(for DEQ use only)

# Application for Approval of Engineering Plans and Specifications for Water Supply Systems

To: Division of Water Resources,  
Department of Environmental Quality

The **Applicant** applies under and in full accord with the provision of NCGS 130A-317, and such other statutes and rules as relate to public water systems. The **Authorized Official** or **Representative** of the **Applicant** represents that he is authorized to act for the **Applicant**. The **Authorized Official** or **Representative** of the **Applicant** understands and agrees to the following:

1. The **Applicant** shall not award contracts or begin construction without first receiving "Authorization to Construct" from DEQ.
2. The **Applicant** shall make no change or deviation from the engineering plans and specifications approved by DEQ except as allowed by 15A NCAC 18C .0306 or with the written consent and approval of DEQ.
3. The **Applicant** shall obtain Final Approval in accordance with 15A NCAC 18C .0306 prior to placing the project (or any portion thereof) into service.
4. Digital (PDF) submittals are true image copy of the original sealed/signed documents.

An authorized representative of the **Public Water System** (not always the same as the **Applicant**) is to complete and sign the following WSMP section.

## Status of Water System Management Plan (WSMP)

Check one of the following, and if applicable, provide the required information:

- The WSMP for the project, as defined in the attached engineering plans and specifications, has not been submitted.
- Three copies of the WSMP for the project, as defined in the attached engineering plans and specifications, are submitted with this application.
- The WSMP that includes this project, as defined in the attached engineering plans and specifications, was previously submitted.

Provide the following:

Public Water System Name: North Chatham

Owner Name: Chatham County

Water System No.: NC 03-19-126

Serial Number of Deemed Complete WSMP: 12-00936

By my signature below, I certify that the previously submitted WSMP contains the information required by 15A NCAC 18C .0307(c) for the project defined in the attached engineering plans and specifications.

Renee Paschal

(Type or print name of authorized representative of Public Water System)

County Manager, Chatham County

(Title of authorized representative of Public Water System)

Renee Paschal

(Signature of authorized representative of Public Water System)

9/26/18

(Date)

## Application for Approval of Engineering Plans and Specifications for Water Supply Systems

In accordance with NCGS 130A-328, the Public Water Supply Section charges a fee for plan review. **Any documents submitted for review must be accompanied by a check payable to DEQ-Public Water Supply Section before the review will begin.**

There is a \$25 fee for returned checks.

The charges for review of plans are shown below. Check one of the following.

### Distribution System fees

- |                                     |   |       |
|-------------------------------------|---|-------|
| <input type="checkbox"/>            | Construction of water lines, less than 5000 linear feet   | \$150 |
| <input checked="" type="checkbox"/> | Construction of water lines, 5000 linear feet or more     | \$200 |
| <input type="checkbox"/>            | Other construction or alteration to a distribution system | \$ 75 |

### Ground Water System fees

- |                          |  |       |
|--------------------------|--|-------|
| <input type="checkbox"/> | Construction of a new ground water system or adding a new well | \$200 |
| <input type="checkbox"/> | Alteration to an existing ground water system                  | \$100 |

### Surface water system fees

- |                          |   |       |
|--------------------------|---|-------|
| <input type="checkbox"/> | Construction of a new surface water intake or treatment facility  | \$250 |
| <input type="checkbox"/> | Alteration to existing surface water intake or treatment facility | \$150 |

### Other fees

- |                          |  |       |
|--------------------------|--|-------|
| <input type="checkbox"/> | Water System Management Plan review                    | \$ 75 |
| <input type="checkbox"/> | Miscellaneous changes or maintenance not covered above | \$ 50 |

#### Notes:

1. Projects for Tank Rehabilitation use separate "Application for Water Tank Reconditioning Plan Approval."
2. The fee is not refundable if the plans are not approved.
3. Revisions to plans to address the Public Water Supply Section's or other state agency's comments do not incur an additional fee.
4. If one set of plans has multiple related items (such as a new well with construction of water lines) only one fee must be submitted for highest price item. The amounts are not cumulative, except for fees for Water System Management Plans.
5. **If the appropriate plan review fee is not received within ten days after the receipt of plans, specifications, and reports for approval, then all plan documents will be recycled. A new set of documents must then be submitted with the appropriate fee for approval.**

This approval does not address all applicable laws, rules, standards and criteria, and other approvals and licenses that may be required by the local, state or federal government.

The Public Water Supply Section has stamped and sealed the official copies of plans and specifications accompanying this application with the serial number of this application \_\_\_\_\_. Any erasures, additions or alterations of the proposed improvements except those permitted in 15A NCAC 18C .0306 make this approval null and void.

This approval does not constitute a warranty of the design, construction or future operation of the water system.

Signed: \_\_\_\_\_  
Robert W. Midgette, P.E., Operations Branch Head  
Public Water Supply Section  
Division of Water Resources

# Application for Approval of Engineering Plans and Specifications for Water Supply Systems

## Other Information and Checklist Page

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- Attached is a check for the proper plan review fee amount, in accordance with NCGS 130A-328. See note 4 on page 3.
- 

This submittal includes one paper original with two digital (PDF) CDs of the following items, each item in separate folders:

- This completed "Application for Approval of Engineering Plans and Specifications for Water Supply Systems"
- The sealed plan drawings, separate file in PDF format for each drawing. Cover sheet must include drawings index;
- The project-specific Engineering Report (ER) describing the scope and purpose of the project and addressing each of the items listed in 15A NCAC 18C .0307(b), including the design basis of the project. [15A NCAC 18C .0307(b) (12)];
- Specifications for this project; **OR**
- The project will use the following system's previously approved standard specifications for waterline extensions:

Name of System: \_\_\_\_\_

Serial Number: \_\_\_\_\_

The Serial Numbers for previously approved standard specifications can be found at the following website:

<http://www.ncwater.org/?page=424>

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One of the following:

- Attached is a letter signed by an authorized representative of the Public Water System agreeing to serve the project and stating that the system has adequate supply;

**OR**

- The **Applicant** is the Public Water System.
- 

If the project has sought funding (for example, DWSRF loan) list the program and (if available) the application or funding number below:

Program Name	Application or Funding Number, if available

- Yes    No
- Project will be completed with significant expenditure of state moneys, greater than ten million dollars (\$10,000,000) in accordance with G.S. 113A-9 (7a).
- Project will cause substantial, permanent land-disturbing activity of an area greater than 10 acres of public lands in accordance with G.S. 113A-9 (11).



NORTH CAROLINA  
Environmental Quality

ROY COOPER  
Governor

MICHAEL S. REGAN  
Secretary

LINDA CULPEPPER  
Interim Director

November 17, 2018

Chatham County  
Attention: Dan LaMontagne, Interim County Manager  
PO Box 1550  
Pittsboro, North Carolina 27312

Re: Engineering Plans and Specifications Approval  
Distribution Extension  
Briar Chapel – Phase 12  
Chatham County - North  
Water System No.: NC0319126, Chatham County  
Serial No.: 18-00911

Dear Applicant:

Enclosed please find one copy of the "Application for Approval..." together with one copy of the referenced engineering plans and specifications bearing the Division of Water Resources stamp of approval for the referenced project. These engineering plans and specifications are approved under Division of Water Resources Serial Number 18-00911, dated November 17, 2018.

Engineering plans and specifications prepared by Gareth C. Avant, P.E., call for the installation of approximately 4,165 feet of 8-inch water main, 145 feet of 6-inch water main, 1,592 feet of 4-inch water main, fire hydrants, valves and associated appurtenances along Great Ridge Parkway, "Road A", and "Road F" to serve 132 single-family residences in Phase 12 of Briar Chapel subdivision located along Great Ridge Parkway in Chatham County. The proposed water main will connect to an existing 12-inch water main along Great Ridge Parkway approximately 0.9 miles south of its intersection with Mann's Chapel Road. The proposed water main will also connect to existing 8-inch stubs at two locations along Great Ridge Parkway between 0.5 and 0.75 miles south of its intersection with Mann's Chapel Road.



Chatham County  
Attention: Dan LaMontagne, Interim County Manager  
Page 2 of 2  
November 17, 2018

Please note that in accordance with 15A NCAC 18C .0309(a), no construction, alteration, or expansion of a water system shall be placed into service or made available for human consumption until the Public Water Supply Section has issued Final Approval. Final Approval will be issued and mailed to the applicant upon receipt of both an Engineer's Certification and an Applicant's Certification submitted in accordance with 15 A NCAC 18C .0303 (a) and (c).

These plans and specifications in the foregoing application are approved insofar as the protection of public health is concerned as provided in the rules, standards and criteria adopted under the authority of Chapter 130A-317 of the General Statutes. This approval does not constitute a warranty of the design, construction or future operation of the water system.

One copy of the "Application for Approval..." and a copy of the plans and specifications with a seal of approval from the department are enclosed. One copy of the approved documents in a digital format (CD) is being forwarded to our Raleigh Regional Office. The second copy of the CD is being retained in our office.

If the Public Water Supply Section can be of further service, please call (919) 707-9100.

Sincerely,

Handwritten signature of Robert W. Midgette in cursive, followed by the text "/for".

Robert W. Midgette, P.E.  
Operations Branch Head  
Public Water Supply Section

RWM/LARP

Enclosures: Approval Documents

cc: Allen Hardy, Raleigh Regional Office  
Chatham County Health Department  
McKim & Creed, Inc.