# OFFICIAL COPY

#### **INFORMATION SHEET**

APR 14 2015

PRESIDING: Ron Brown PLACE: Briar Chapel Clubhouse, Chapel Hill, NC DATE: March 31, 2015 TIME: 7:25 p.m. – 7:55 p.m. DOCKET NO.: W-1300, Sub 9 and W-1230, Sub 1 COMPANY: Old North State Water Company and Briar Chapel Utilities, LLC DESCRIPTION: Application by Old North State Water Company, LLC, 1620 Old Chalk Road, Wake Forest, NC 27587, and Briar Chapel Utilities, LLC, 16 Windy Knoll Circle, Chapel Hill, NC 27516, for Authority to Transfer Sewer Franchise in Briar Chapel Subdivision in Chatham County, North Carolina, to Old North State Water Company, LLC, and for Approval of Rates. VOLUME:

**APPEARANCES** 

FOR OLD NORTH STATE WATER COMPANY: Laurence A. Cobb, Esq.

FOR BRIAR CHAPEL UTILITIES, LLC: Karen M. Kemerait, Esq.

FOR THE USING AND CONSUMING PUBLIC: William E. Grantmyre, Esq.

WITNESSES Richard Lucier Michael Myers Babette McKemie

#### **EXHIBITS**

Applicant's Exhibit 1 (I/A)
McKemie Exhibit 1 (I/A)
Bradley Exhibit 1 (I/A)
Craig Exhibit 1 (I/A)

#### JUDICIAL NOTICE

COPIES ORDERED: Grantmyre - (email); Kemerait -- (email) REPORTED BY: Kim Mitchell TRANSCRIBED BY: Kim Mitchell DATE TRANSCRIBED: April 13, 2015

TRANSCRIPT PAGES: 27 PREFILED PAGES: 1

#### NORTH CAROLINA UTILITIES COMMISSION APPEARANCE SLIP

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#### APPEARING FOR:

APPLICANTCOMPLAINANTINTERVENERPROTESTANTRESPONDENTDEFENDANT

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Signature:

#### NORTH CAROLINA UTILITIES COMMISSION APPEARANCE SLIP

DATE	3/31/15	DOCKET #	1: V-1300 S	159. W-173	SCI SUS 1
NAME	AND TITLE	OF ATTORNEY	Quitelace Cal		
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#### APPEARING FOR:

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 DEFENDANT

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### NORTH CAROLINA UTILITIES COMMISSION PUBLIC STAFF - APPEARANCE SLIP

DATE \_03/31/15\_\_\_\_\_ DOCKET #:\_W-1300, Sub 9\_\_\_\_

PUBLIC STAFF MEMBER William E. Grantmyre, Staff Attorney

ORDER FOR TRANSCRIPT OF TESTIMONY TO BE **EMAILED** TO THE PUBLIC STAFF - PLEASE INDICATE YOUR DIVISION AS WELL AS YOUR EMAIL ADDRESS BELOW:

ACCOUNTING	_
WATER	_
COMMUNICATIONS	-
ELECTRIC	-
GAS	_
TRANSPORTATION	
ECONOMICS	_
LEGAL william.grantmyre@psncuc.nc.gov	-
CONSUMER SERVICES	

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hic Staff personnel working on case. gMature of Public Staff Nember

Applicant Ex1 IIA

#### COUNTY OF CHATHAM STATE OF NORTH CAROLINA

I, Michael Mehringer, being duly sworn, depose and state:

- 1. I am a resident of the State of North Carolina, I am over the age of twenty one, and I am competent to make this Affidavit. The facts set forth in this Affidavit are true and correct and are within my personal knowledge.
- I am the Project Manager for Homes By Dickerson for the Briar Chapel Development. My work address is 7201 Creedmoor Road, Suite 147, Raleigh, North Carolina 27613, and my email address is <u>mike@homesbydickerson.com</u>
- 3. Homes by Dickerson is the primary builder of homes in Briar Chapel.
- 4. One of my responsibilities as Project Manager for Briar Chapel is to provide information and documentation to property owners in Briar Chapel with grinder pumps on the properties that they own the grinder pumps and are responsible for the maintenance and upkeep of the grinder pumps.
- 5. Specifically, Homes by Dickerson provides each property owner in which a grinder pump has been installed on the property with a Property Owner Guide to Grinder Pump Operation ("Grinder Pump Guide") and an ABS Piranha Submersible Grinder Pump Installation and Operations Instructions ("Manufacturer's Installation and Operations Instructions"). The Grinder Pump Guide is attached hereto as Exhibit "A", and the Manufacturer's Installation and Operations Instructions is attached hereto as Exhibit "B".
- 6. The Grinder Pump Guide provides notice to the homeowner that he or she is responsible for maintenance of the grinder pump. It states: "The property owner is responsible for

maintenance of the grinder pump. BCU recommends an annual inspection and cleaning of each grinder pump."

- 7. Homes By Dickerson also provides each property owner with a list of warranty and telephone numbers that includes a telephone number for grinder pump issues. The list of warranty and telephone numbers is attached hereto as Exhibit "C".
- 8. In addition, Homes By Dickerson explains to the home purchasers during the pre-closing walk-through of the homes that they will own and be responsible for the grinder pumps.

This the  $\leq 0^{+h}$  day of March, 2015.

Michael Mehringer

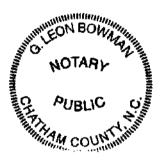
#### STATE OF NORTH CAROLINA COUNTY OF CHATHAM

I, <u>G. Leen Bowman</u>, a Notary Public of the aforesaid County and State, do hereby certify that Michael Mehringer personally appeared before me this day and acknowledged the execution of the foregoing instrument.

Witness my hand and official notarial seal, this  $30^{+1}$  day of  $M_{*}$ , 2015.

Notary Public

My Commission Expires: 9/10/19



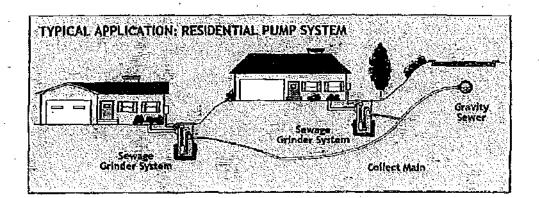
## EXHIBIT A

## Property Owner Guide to Grinder Pump Operation

#### What is a residential grinder pump and why do I have one?

The residential grinder pump serving your home is an important part of the larger community sewer collection system. The pump grinds the sewage from your home (much like the garbage disposal in your kitchen) and pushes it through small plastic pipes to the larger lines in the street. A residential grinder pump is often installed when the home's sewer system is at a lower elevation than the main wastewater line.

A sewage holding tank has been installed underground on your property and a sewage grinder pump is housed in the tank. The tank cover is round and is the only part that shows above the ground. All of the wastewater from your home flows into the burled tank. When the tank fills to a certain level, the grinder pump turns on automatically. The grinder pump normally will run for one or two minutes and will automatically turn off when the tank has been emptied. The pump is programmed to operate in cycles, rather than continuously. Cycles are determined by the amount of water used. During a usual day, the grinder pump will turn on and off about 5 or 6 times. While the pump is running you may hear a low humming noise. Excessive noise may indicate a problem and you should call the non-emergency number.



#### How can I help to maintain my grinder pump?

The grinder pump can handle any wastewater that is normally discharged to the sewer from the kitchen, bathroom, or laundry. Some chemicals and materials may cause operating problems or safety hazards.

Never put any of the following materials into sinks, toilets or drains:

- Cooking fat (lard, oil, grease)
- Glass, metal, wood; seafood shells
- Diapers, socks, rags or cloth of any kind
- Plastic objects (toys, eating utensils, etc.).
- Any strong chemical, toxic, caustic, or poisonous substance
- Degreasing solvents
- Any explosive or flammable material
- Gasoline, kerosene, fuel oil, paint thinner, antifreeze
- Lubricating oil or grease
- Hair clippings or kitty litter

These materials may clog your home system or create unsafe conditions in your lines and tank!

Note: BCU is not responsible for any expenses incurred due to negligence by the property owner in maintaining the grinder pump.

#### What other maintenance is suggested for the grinder pump?

The property owner is responsible for maintenance of the grinder pump. BCU recommends an annual inspection and cleaning of each grinder pump.

#### What are some special situations that may arise?

#### if the Alarm Sounds:

If there is a grinder pump failure, the tank which contains the pump will become too full. An alarm horn and light located in the alarm box on the outside of your home will automatically activate. You should:

- Discontinue water use until the unit is safe for use. This will help to prevent overflows.
- Silence the alarm by depressing the alarm light on the front of the alarm box. The alarm hom should silence but the light will remain on until the grinder pump is repaired.
- Wait fifteen minutes before taking further action. A high level of water usage will sometimes cause a false alarm. If the pump is operating correctly, the tank will automatically be pumped down and the alarm light will turn off.

If the alarm light is still on after fifteen minutes, call our 24-hour emergency dispatcher at 252.235.4900. Inform the representative that you are in the Brian Chapel Community and that the grinder pump alarm light serving your property is alarming.

 Never attempt to open the tank cover or the electrical panel box. CAUTION: Electrical shock or damage to the system may occur. 

- There is no trip charge for the first call. Envirolink, Inc. will assess the alarm condition and inform the property owner of appropriate remedies.
- Multiple trips to the same property (more than one trip per year) will result in trip charges. Charges may apply if your pump failure was caused by property owner negligence. See above section for materials that constitute negligence.
- Repair fees are the responsibility of the property owner.
- In the event a property owner fails to complete the required repairs, repairs will be made and the cost of the repair plus administration fees will be added to the property owner's monthly sewer bill.

#### In Case of Power Failure:

If there is a power failure which affects your home, your grinder pump will also experience a loss of power and not be able to operate. The grinder pump tank has more than a day's holding capacity, but interior water use should be limited until power has been restored.

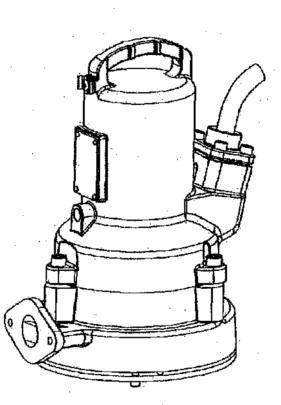
#### A few more important notes:

- Electric power, alarm wires, and the sewer line are buried under the ground between the home and the tank. Before digging in the area, call 811 to have a technician locate the lines.
- The grinder pump has a small breather vent located on the top of the tank. It is important to keep this vent open and free of debris, such as mulch or grass.
- In the event BCU has to complete the repair due to property owner inaction, BCU will not be responsible for any damage to landscaping or items placed adjacent to the grinder pump station while performing any maintenance function.
- If your home is newly constructed and less than one year old, then your grinder pump may still be under warranty through your builder. Please let BCU know that the unit is less than one year old and provide them with the contact information for your builder and/or the installer. Any problems you experience with the grinder pump system during that period should be referred to the builder or their representative.
- If you are going to be away from home for more than thirty (30) days, please contact Envirolink for some tips on how to minimize your pump's operation while you are away.
- Never connect a sump pump to the grinder pump.
- Non-emergency contact number: 252 235-4900; 8:00 am -- 5:00 pm
- Non-emergencies include situations such as to lawnmower damage to vents or general questions.

EXHIBIT B



# ABS Piranha submersible grinder pump



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(5976074GB (03/2006)

GB)

# Installation and Operating Instructions

www.absgroup.com

Installation and Operating Instructions ABS Piranha submersible grinder pump

A68 Piranha submersible gridder pump

50Hz		50Hz	
S10/4	M30/2	S10/4	M25/2
\$12/2	M55/2	S20/2	M35/2
S13/4	M70/2	S26/2	M46/2
\$17/2	M85/2	\$30/2	M50/2
821/2	M110/2		M70/2
\$26/2			M80/2
			M100/2
			M125/2
			•

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1.1	Application areas
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1,1.2	Particular comments on the use of explosion-proof pumps in explosive zones
1.2	Technical data
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2	Salety
3	Transport
4	Mounting and installation
4.1	Installation example, concrete sump
4,2	Discharge Line
4.3	Electrical Connection
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4.3.2	Checking direction of rotation
4.3.3	Changing direction of rotation
4.3.4	Connection of the seal moniforing device in the oil chamber
5	e and the second s
6	Maintenance
6.1	General maintenance hints
6. t. t	Shredding system
6.2	Commentary on maintenance of Lifting Stations in accordance with EN 12056
6.3	Oil filling and oil changing
6.4	Cleaning
6.5	Venting of the volute
Declarati	lon of conformity

ABS reserves the right to start specifications due to technical developments!

Installation and Operating Instructions ABS Prantia submersible grinder pump

abs

1 General

1.1 Application areas

ATTENTION The maximum allowable temperature of the medium pumped is 40°C

Piranha-submersible pumps have been designed for the pumping of sewage containing faecal matter from buildings and sites where the location is below the sewer level,

In addition the Piranita submersible pumps are idea; for effective and economical pressurised dewatering via pipes of small cross-sectional area in private, municipal, and industrial applications.

The regulations of DIN EN 12056-4 as well as other local codes should be observed.

1.1.1 Explosion-proof approval

The motors of the Piranha series have explosion-proof certification in accordance with EEx d IIB T4

1.1.2 Particular comments on the use of explosion-proof pumps in explosive zones.

- 1. Explosion-proof submersible pumps may only be operated with the thermal sensing system connected
- If ball type float switches are used, these must be connected to an intrinsically safe electrical circuit "Protection type EX (i)" in accordance with VDE 0165.
- Dismantling and repair of submarable explosion-proofmotors may only be carried out by approved personnel in specially approved work shops.

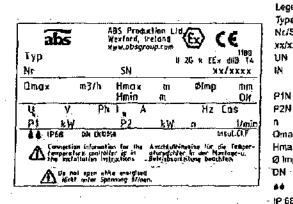
#### 1.2 Technical data

Maximum noise level \$ 70dB. This may be exceeded in certain circumstances.

#### 1.2.1 Nameplate

We recommend that you record the data from the original nameplate on the nameplate illustration below and maintain it, together with your purchase receipt, as a proof for subsequent use.

Always state the pump type, item no, and serial no. In the field "Nr" in all Communications



end		
e	Pump type	
SN	llem No /Serial No	
xxx	Production date (Week/Y	ear)
	Rated Voltage	1. V 1
	Rated Current	A
	Frequency	Hz
1	Rated Input Power	kW
ļ	Rated Output Power	kW
	Speed	min-1
ах	Max, Flow	m3/h
ax -	Max. Head	i mi
np.	impeller diameter	(mm
	Discharge clameter	n na
	Water pressure tight	
8	Protection type	

Figure, 1 Nameplate Ex Version

#### Installation and Operating Instructions ABS Piranha submersible grinder pump

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Madlel: Volis: Hz Phase AMB_TEHP.40°C Pump Madel: Flag Maxi	ABS PLEIPS MC, RB Pand View Drive Mariden (T. NASO Tel. (2012)B-2700 avg WASTEWATER PUWP NOT P7; HP RPN; InsuLCI,F OPER, FEMP, CJC GPM RE CROEP WEE CROEP IS ADDRE	μονοσια (LOIV) (GR.C.G.           w.obsgroup.cpa           w.obsgroup.cpa           SN           F1.Amps;           NEMA Lode:           2 Mex           Imp.dids           Hep.6 Max	Legand Model SN UN P2 FL.Amps Hz Phase RPM- imp, dia Max, V Flow Max.	· · · · · · · · · · · · · · · · · · ·	HP min-1 mm Ft GPM	<b>接</b> 提
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			Flow Max.		GPM	
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	۰,	Figure 3 Nameplat	e Standard Ver	รเอก		
		-	··· Legend			. 8 9
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YP .				ated Current	A Hz	
г.	SN	<u>xx/xxx</u>		requency ated Input Power	HZ kW	
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Legend Type Nr./SN	Pump type Item No./Serial No.	
XX/XXXX	Production date (Week/Year)	
UN	Rated Voltage	V
1N	Rated Current	Α
	Frequency	Ηz
P1N	Rated Input Power	kVV
P2N	Raled Output Power	kW
n .	Speed	min-1
Qmax	Max, Flow	m3/n
Hmax	Max. Head	m -
Ø Irop.	Impeller diameter	mm
DN	Discharge diameter	ភាព
44	Water pressure tight	
(P 68	Protection type	

abs

Figure 4 Nameplate Standard Version

ABS Pirantia submersible grader pump

# abs

#### 2 Safety

The general and specific health and safety hints are described in detail in the separate booklet Safety Hints. If anything is not clear or you have any questions as to safety make certain to contact the manufacturer ABS.

#### 3 Transport

During transport the unit should not be dropped or thrown.

The unit should never be raised or lowered by the Power cable.

The unit is fitted with a lifting device to which a chain and shackle may be attached for transport purposes,



Any hoist used must be adequately dimensioned for the weight of the unit.

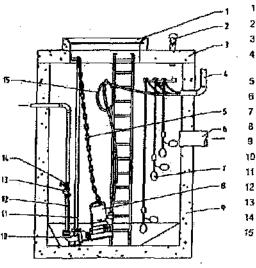
All relevant safety regulators as well as general good technical practice must be complied with.

#### 4 Mounting and installation

installation example, concrete sump

The regulations covering the use of pumps in sewage applications together with all regulations involving the use of explosion-proof motors should be observed. The cable ducting to the control panel should be sealed off in a gas-tight manner by the use of a fearning material after the cable and control circuits have been pulled through. In particular the safety regulations covering work in enclosed areas in sewage plants should be observed together with general good technical practice.





Sump Cover
Venting line
Sump cover
Sleeve for cable protective duct to the control panel
Chain
Indow line
Ball type float switch
Submersible pump
Concrete sump
Pedestal
Guide tobe
Discharge line
Non-return valva
Gale valve
Power cable to motor

Figure 5 Nameplate Standard Version

ATTENTION

For those applications subject to Regulation DIN 1986, a backwash loop should be provided in the discharge line. 6 Installation and Operating instructions ABS Piranha submatsible grinder pump

#### 4.2 Discharge Line

The discharge line must be installed in compliance with the relevant regulations. DIN 1986/100 and EN 12056 applies in perticular to the following:

- The discharge line should be fitted with a backwash loop (180° bend) located above the backwash level and should then flow by gravity into the collection line or sewer.

- The discharge line should not be connected to a down pipe.

- No other inflows or discharge lines should be connected to this discharge line.

#### ATTENTION The discharge line should be installed so that it is not affected by frost.

The vent line is connected by means of a push-on sleeve to the vertical outlet at the top of the collection tank. It should be of constant cross-section (min. DN 70) and should have a continuous rise to above roof level.

#### 4.3 Electrical Connection



Before commissioning an expert should check that one of the necessary electrical protective devices is available. Earthing, neutral, earth leakage circuit breakers, etc. must comply with the regulations of the local electricity supply authority and a qualified person should check that these are in perfect order.

#### ATTENTION

The power supply system on site must comply with VDE or other local regulations with regard to cross-sectional area and maximum voltage drop. The voltage stated on the nameplate of the pump must correspond to that of the mains

The power supply cable must be protected by an adequately dimensioned slow-blow (use corresponding to the rated power of the pump.



The incoming power supply as well as the connection of the pump itself to the terminals on the control panel must compty with the circuit diagram of the control panel as well as the motor connection diagrams and must be carried out by a qualified person,

All relevant safely regulators as well as general good technical practice must be complied with.

#### ATTENTION For use in the open air, the following VDE regulations apply:

Submersible pumps used outdoors must be fitted with a power cable of at least 10m length. Other regulations may apply in different countries.

Pumps for use in swimming pools, garden ponda and similar, must comply with European Standard 60335, Part 2, protection class I.

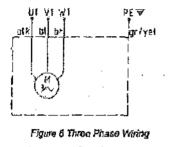
NOTE

Please consult your electrician.

abs

#### 4.3.1 Wiring diagrams

Three Phase: S12/2D, S13/4D, S20/2D, S17/2D, S21/2D, S25/2D, S26/2D, S35/2D, S46/2D, M30/2D



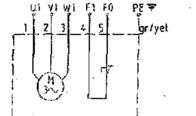


Figure 9 Three Phase Wiring with Temperature Limiter

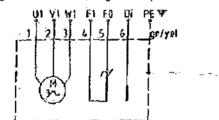


Figure 12 Three Phase Wiring with Temperature Limitar &

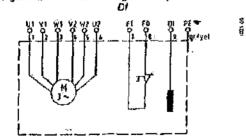


Figure 16 Three Phase Wining with Temperature LimMer .... DI - M30/2D, M55/2D, M70/2D, M85/2D, M125/2D

U1, V1, W1, U2, V2, W2	=	Live
PE	Ħ	Earth
Gerrei	=	Green/Yellow
5lk	=	Black
bi	=	Blue
Di	÷	Seal monitor

Installation and Operating Instructions ABS Piranha submersible grader pump

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2011-0

Single Phase: \$10/4 W, \$12/2 W, \$20/2W, \$17/2 W,

101/101

DIAD

51546

- 6

F1/FO

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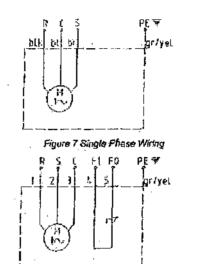


Figure 9 Single Phase Wiring with Temperature Limiter

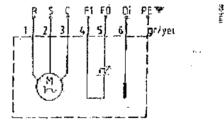


Figure 11 Single Phase Wiring with Temperature Limiter &

Brown

- Thermal sensor
- Run
- s Start

-

- = Neutral (common)
  - · .,

Installation and Operating Instructions ABS Piranha submersible gunder pump

ATTENTION Explosion-proof pumps may only be used in explosive zones with the thermal sensors filted (Leads: FO, F1).

ATTENTION It is important to us the correct capacitors with single phase pumps, use of incorrect capacitors will lead to motor burn-out

4.3.2 Checking direction of rotation

The safety hints in the previous sections must be observed?

When three phase units are being commissioned for the first time and also when used on a new site, the direction of rotation must be carefully checked by a qualified person.



When checking the direction of rotation, the unit should be secured in such a manner that no danger to personnel is caused by the rotating impeller, or by the resulting air flow. Do not place your hand into the hydraufic system!



The direction of rotation should only be altered by a qualified person.



When carrying out the direction of rotation check as well as when starting the unit pay attention to the START REACTION. This can be very powerful

#### ATTENTION

The direction of rotation is correct if the imeller/propeller rotates in a clockwise manner when viewing down from the top of the placed unit

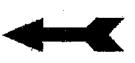


Figure 13 Rotor rotation

ATTENTION The start reaction is anti clockwise

NOTE

If a number of units are connected to a single control panel then each unit must be individually checked.

ATTENTION The mains supply to the control panel should have a clockwise rotation, if the leads are connected in accordance with the circuit diagram and lead designations, the direction of rotation will be correct.

4.3.3 Changing direction of rotation

The safety hints in the previous sections must be observed!



The direction of rotation should only be attered by a qualified person.

If the direction of rotation is incorrect then this is allered by changing over two phases of the power supply cable in the control panel. The direction of rotation should then be rechecked



The direction of rotation measuring device monitors the direction of rotation of the mains supply or that of an emergency generator

Installation and Operating Instructions ABS Pleanta submersible gilinger pump

#### 4.3.4 Connection of the seal monitoring device in the oil champer

In order to integrate the seal monitoring device to a control panel supplied by the customer, it is essential that the ABS DI-module be installed in accordance with the control circuit diagrams following:

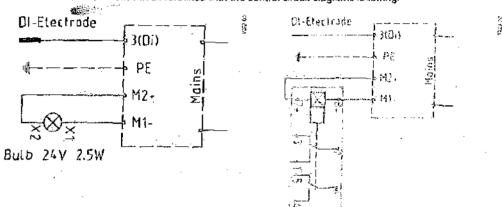


Figure 14 Di Module (connection of neon bulb)

Figure 15 Di Module with relay for individual signeling

#### ATTENTION Maximum contact loading 2 amps

#### NOTE

5

ABS Di-module with relay for individual signalling (not supplied as standard)

#### Commissioning

In explosive zones care must be taken that during awtiching on and operation of the pumps the pump section is filled with water (dry running) or alternatively is submerged or under water (well installation). Ensure in this case that the minimum submergence given in the data sheet is observed. Other types of operation e.g. snore operation or dry running are not allowed.

The safety hints in the previous sections must be observed!

Before commissioning the unit should be checked and a functional test carried out. Particular attention should be paid to the following:

- Have the electrical connections been carried out in accordance with regulations?
- Have the thermal sensors been connected?
- Is the seal monitoring device (where filled) correctly installed?
- Is the motor overload switch correctly set?
- Have the power and control circuit cables been correctly fitted?
- Was the sump cleaned out?
- Have the inflow and outflows of the pump station been cleaned and checked?
- is the direction of rotation correct even if run via an emergency generator?
- Are the level controls functioning correctly?
- Are the required gates valves (where fitted) open?
- ... Do the non-return valves (where fitted) function easily?

#### 10 Installation and Operating Instructions ABS Piranha submersible glinder pump

# abs

#### 6 Maintenance



Before commencing any maintenance work the unit should be completely disconnected from the mains by a qualified person and care should be taken that it cannot be inadvertently switched back on.



When carrying out any repair or maintenance work, the safety regulations covering work in enclosed areas of sewage installations as well as good general technical pratices should be followed.

NOTE The maintenance hints given hare are not designed for "do-it-yourself" repairs as special technical knowledge is required.

NOTE A maintenance contract with our works service department will guarantee you the best technical service under all circumstances.

#### 6.1 General maintenance hints

ABS submersible pumps are reliable quality products each being subjected to careful final inspection, Lubricated-for-life ball bearings together with monitoring devices ensure optimum pump reliability provided that the pump has been connected and operated in accordance with the operating instructions.

Should, nevertheless, a malfunction occur, do not improvise but ask your ABS customer service department for assistance.

This applies particularly if the unit is continually switched off by the current overload in the control panel, by the thermal sensors of the thermo-control system or by the seal monitoring system (DI).

Regular inspection and care is recommended to ensure a long service life.

 
 NOTE
 The ABS service organisation would be pleased to advise you on any applications you may have and to assist you in solving your pumping problems.

 NOTE
 The ABS warranty conditions are only valid provided that any repair work has been

carried out in ABS approved workshop and where original ABS spare parts have been used.

#### 6.1.1 Shredding system

The shredding system of the Piranha is a wearing part, and as such may need to be replaced. A reduction in cutting performance can reduce the output. We recommend that the shredding be inspected regularly. This is perticularly so if sewage containing sand is being pumped. Regular inspection and care is recommended to ensure a long service life.

The ABS service organisation would be pleased to advise you on any applications you may have and to assist you in solving your pumping problems

ATTENTION Before starting the pump ensure that the shredding rotor den colate freely

NOTE

The ABS warranty conditions are only valid provided that any repair work has been carried out in ABS approved workshop and where original ABS spare parts have been used.



Installation and Operating Instructions 1 ABS Piranital submersible grinder cump

#### 6.2 Commentary on maintenance of Lifting Stations in accordance with EN 12056.

It is recommended that the lifting station be inspected monthly and its function checked.

In accordance with EN regulations, the lifting station should be maintained by a qualified person at the following intervals:

- in commercial premises every three months.
- in apartment blocks every six months.
- in a single family home once a year.

- In addition we recommend that a maintenance contract be taken out with a qualified company.

#### 6.3 Oil filling and oil changing

The oil chamber between the motor and the hydrautic section has been filled at the works with fubricating oil. An oil change is only necessary if a fault occurs.

The lighting up of the inspection control indication in the control panel by the DI-electrode fitted in the pump means that there is water in the motorhousing (only Piranha M55/2- M125/2).

Have the mechanical seal unit checked by your ABS service centre,

An oil change, if the inspection lamp does light, is only necessary when carrying out repair work.



Repair work on explosion-proof submersible pumps may only be carried out by approved personnel in approved workshops.

When carrying out repairs only original spare parts, supplied by the manufacturer, should be used. The DI-electrode fitted in explosion-proof pumps indicates that there is moisture in the motor area.

#### 6.4 Cleaning

If the pump is used for transportable applications then it should be cleaned after each usage by pumping clear water in order to avoid deposits of dirt and encrustation, in the case of fixed installation, we recommend that the functioning of the automatic level control system be checked regularly. By switching the selection switch (switch setting "HAND") the sump will be emptied. If deposits of dirt are visible on the floats then these should be cleaned. After cleaning, the pump should be rinsed out with clear water and a number of automatic pumping cycles carried out.

#### 6.5 Venting of the volute

After lowering the pump into a sump full of water, an air lock may occur in the volute and cause pumping problems. In this case, raise the pump in the medium and then lower it again. If necessary, repeat this venting procedure.

Declaration of conformity CE EF # execution

12

PŤ:

**Declaration of conformity** 

As defined by: Machinery Directive SB/37/EC, EMC-Directive 69/335/EC, Low Voltage Directive 73/23/EC, ATEX 94/9/EC, Construction Directive 89/106/EC

GB: Declaration of conformity

- DE: Konformitälserklärung
- FR: Déclaration de Conformité E8:
- SE: Försäkran om överensstämmelse NO: Samsvarsecklæring
  - OK: Overeassignmelsesorklæring
- Declaración de Confirmidad Declaração de conformidade FI: Vaatimusioamokaisuusvakuutua

Ð

NL:

- Dichiarazione di conformità IT:
  - PL: Deklaracja zgodnosci
- ABS Production Wexford Ltd, Clonard Road, Wexford, IRELAND
- GE: Declare under our sele responsibility that the products SE:
- Erkiari elgenverantwonsch daß die Produkts
- DE: Extran elementarianvoluen, das des Plosans FA: Déctarons sous active seuto responsabilité que los produits ES: Déctaramos paio fuestre exclusivar responsabilitad que los produitos PT: Dectaramos sob nossa duitos responsabilitade que os produitos IT: Dichiartarpo soli o la nosira esclusiva responsabilitade que los produitos
- NL: Verktaran geheel onder ogen veratilvoordelijkheid dat de produkten SE: Forsäkrar under eget ansvar alt produkterna
- NO: Entraner på ogen ænsvor at følgende produkter

#### Producto:

- ABS submersible grinder pump Piranha 312 M120
- 🕢 il 26 k EEx d ll8 T4

- - DK: Erklærer på egel ensvar, at folgenda produkter FM: Vakuttemme yksinomaan omalle vastuutiamme, akti seurasval avoteet PL: Unidersje gekne odjocivicefristusjon, on vorastochtu repre HV: Freidsskogung tulges hugateban bigtervicik, huge a ternabek GR: CMScimpton me apotebistig nav e syuht di ta cruisma ET: Deklareenme vinuvestutgana, et tooled

  - CZ: Prohlašića na vlastni odpovidnost, že výrobky
     SI: Izjevýumo, da so z našo izláuňno odgovornostjo izdolu
  - 5K: Vyhtasujama na naše zodpovednasť, že výrobly
- GB: To which this declaration relates are in conformity with the following standards or other normalitie documents

DE: Au dio sich diese Erleisning bezieht, den intgendum und/oder sinderen normativen Qolasten/en enisptechen

- FR: Auxquels se référe celle déclaration sont contonnes aux nombes ou à d'euses documents nomatis
- ES: Objeto de esta declaración, están contarmas con las siguierdes normas u otros documentos porquéess PT:
- Aque se seiere este declaración esté em conformidade com en Normán our outros docsimentos normetivos
- Ai quail questa dichiaragione si mansoe sono contotrai alla seguente nocraz o ad atui documenti narmativi IT:
- NL: Wastop deze vertilaring betekking hern, in overeenstamming zijn met de volgende normen of andere normalieve doourtenten
- SE: Som omfatiaa av denna Krsakran är i övorensstämmelse med Kijande standardar allat andra regelgivande dokument
- Som dekkes av genna erkæringen, er i samsvar med følgenda slan-gærder eller andre normalive dokumenter NO:

- DK: Som er omfallet al dande stiftennig, et i overensslammeter med ret-gende standardes etter andre normative dokumenter Johin ໄດ້ເກລັ Vakuutua Iiidy, oval seuraavien standartien sekä muoden ຮຽລເປວິຣົກສຸຮັກລອບເອກ ລະມິລໃຫ້ກ່ຽວກ ການແລ່ງກົລ FI:
- Og körych odnosi ste nislejsza deldetecja su zgodne z nastepujacych normani kdo innyné bokumenianj normalywnýsni.
- Amelyakın ez e nyilakozel vonatkozik, meglelenek a kövelkezőszab-vanyokban és egyéb szakályozó itokuneskumokban leinaknak. HÜ:
- Το εκταία σφορεί η παρούσα δήλωση είναι σύμφωνα με το ακύλουθα κανή άλλα πράτυπα κανείνεταικά εγγραφιά GR:
- Néda kásspölev deklarutsioon piudutab, on vastavusos jälgmene stan-dardile ga muuda normaliivdokumentidega. ΕŤ:
- Na Nere ອອ ເວເດ ກາວໄປອຣິດາ ຈະໄລໄກມູ່ອ, jeou v sculadu s následujícími ກວາກລາວ nebo jarjan ກວາກແມ່ນແຫ່ cháunnenty C7.
- Na katere se la Izjava nacista, stilacht z nasladnjimi standard) ali orogimi normativnimi dokumenti. ŝl:
- Na ktoré sa vz ahuje tolo vyhlasenie, zodsovedajú nasledujúcu: štardaniom a ktým sávlizným dokumenicm. SK:

DIN EN 12059-1, EN 50335, EN 50014, EN 50018, EN 13463, EN ISO 12100-1 & EN 12100-2

03-01-2006

Set lode

Sean Roche ABS Production Wexford Ltd.



- ahe
- Overeenkomstigheidsverklaring HU: Megfetelőségi nyilatkozet
  - GR: Δήλωση εναρμόνισης EŤ
  - Vastavasdeklaratsioon CZ: Prohlášení o shodši
  - Sf: Izjava o skiadnosti
  - SK: Vyhlásenie o zhode



ABS Production Wexford Ltd., Clonard Read, Wexford, Ireland Tel +353 53 91 63 200 Fax +353 53 91 42335, www.absgroup.com

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# Warranty

#### ABS ONE YEAR PRODUCT WARRANTY PERMANENT TYPE INSTALLATION

ABS Pumps Inc. warrants its new products (excluding replacement parts) used in a permanent installation to be free from defects in workmanship and materials, covering parts and labor, for a period of twelve (12) months from the date of installation; or eighteen (18) months from the date of shipment to original end customer, whichever occurs first. Proof of installation/startup date or purchase/shipment date will be required to support a warranty claim.

Any product used in a portable application will be subject to the 6 month portable dewatering warranty.

Control panel warranty is effective only if control installation and wiring meets all applicable articles of the National Electrical Code at time of installation and if start-up is done by an authorized ABS agent.

Start-up reports and electrical system schematics may be required to support warranty claims and will be required for all claims on pumps of 30 Horsepower and greater. All protection features (such as moisture sensors, bearing monitors, and thermal overloads) incorporated in the product must be connected and operable to validate the warranty. Warranty effective only if ABS supplied or authorized cables and control panels are used.

ABS's sole obligation under this warranty shall be to make repairs and replace parts when necessary on products that have been returned to ABS, prepaid, or to an ABS authorized service facility and found to be defective. Products repaired under this warranty will be returned with freight prepaid. All returns must have prior authorization from ABS. ABS product must be repaired by an authorized ABS repair facility in order to support the warranty. Explosion Proof (Agency Approved) pumps must be repaired at an ABS authorized service center in order to keep the Explosion Proof rating.

ABS shall not be liable for any special, indirect, consequential damages, or profit loss of any kind. Major components not manufactured by the Company are covered by the original manufactured's warranty in lieu of this warranty. ABS will not be held responsible for travel expenses, rented (replacement) equipment, pump removal fees, installation fees, outside contractors fees, or unauthorized repair shop expenses. Damage due to normal wear or failure beyond "defect in workmanship" is not covered. The warranty does not cover damage caused by a defective power supply or improper electrical protection.

#### 

ABS neither assumes nor authorizes any person or other company to assume for it, any other obligation in connection with the sale of its equipment. Any enlargement or modification of this warranty by a Representative or other Sales Agent is their exclusive responsibility.

This warranty is not transferable and shall extend only to the original and user. It shall not apply to any products that have been repaired or altered without ABS's consent. It does not apply to products that have been subject to misuse, accident, neglect, installation damage, or have been used for pumping liquids other than what it was designed for.

NO OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL APPLY.

85056034

Issued 7/18/03

## EXHIBIT C

# UTILITY & COMMUNITY SERVICES Chapel Hill

	Phone Numbers	Date Contacted/Notes
Gas	<b>PSNC</b> 66 N. Chatham Pkwy, Chapel Hill 27517 877-776-2427	
Electric	Progress Energy Carolinas 919-508-5400 Service 800-419-6356 - Outages	
Telephone	Century Link 800-672-6242 – Customer Service 800-788-3600 – Repair AT&T 888-757-6500 – Customer Service	
Water	Chatham County Utilities 66 N. Chatham Pkwy, Chapel Hill 27517 919-542-8270	
Waste Water Treatment	Briar Chapel, LLC - Envirolink, Inc. 1-888-754-9878	
Trash	First Choice Disposal 919-542-5398	
Cable TV	Time Warner Cable 1201B Raleigh Rd, Chapel Hill 27517 866-489-2669	······································
Post Office	USPS 916 East St, Pittsboro 27312 919-642-0128	
Newspaper	News & Observer 919-829-4500 Herald Sun 919-4897464	

#### WARRANTY & EMERGENCY TELEPHONE NUMBERS

#### Subdivision – Briar Chapel Lot - ###

Homes by Dickerson will provide warranty for materials and workmanship of your home as dictated by the "Homes by Dickerson Limited Warranty Guide" for up to one-year beyond your closing date. This guide can be found on your closing CD as well as on our website in the "About Us", "Customer Care" tab. Your warranty representative will be in contact with you to schedule completions of both your 3 and 10 month warranty items. Although it is our objective to consolidate all warranty services into the 3 and 10 month milestone dates, the vendors listed below should be contacted directly when emergency and minor intermediary services are needed. Most vendors work by appointment, therefore a direct call to the vendor in these circumstances will best allow them to accommodate your schedule. Please be certain to inform your warranty representative of all warranty related items outside of the 3 month and 10 month lists.

1.	Warranty Manager – Dale Pearce	Homes by Dickerson Email warranty@homesbydic Office	ckerson.com 847-4447
2.	Plumbing	Evans Plumbing	772-9133
3.	Grinder Pump	Envirolink (2: Non-Emergency and 24hr Emergency Disp	52) 235-4900 atcher
4.	Heating & Cooling	ARS	828-5147
5.	Electrician	Diverse Electric	848-4652
6.	Low Voltage	Diverse Security Phone, Cable, Security, Speakers	848-4652
7.	Appliances	Judd Barrett (1 <sup>st</sup> year) Electrolux (after 1 <sup>st</sup> year) 8 Please call as follow up to service calls as t	348-0686 88-203-1389 well
8.	Cabinets	Stock	828-7465
9.	Tile and Carpet	Capital Tile	881-7898
10.	Lighting	Lights Unlimited - Gamer	779-6838
11.	Roofing	Larry Bissette Inc.	773-2140
12.	Landscaping/Sprinklers	Davis Landscape	662-1009
13.	Garage Doors	Dan's Overhead Doors	894-7386
14.	Fireplaces	Dickerson Hearth	872-6616
15.	Juarez Painting	Personal Paint Requests Only Contact Dale Pearce for Warranty Related	669-9768   Items

ومحمد والمحمد المحمد المراجع والمحمول والمحمد والمحمد والمحمد والمحمد والمحمول ومحمد والمحمو ومحمد والمحمول والمحمد

Thank you, Homes by Dickerson For BCU, LLC Use Only:

Account No:	
Builder/Resident?	Flow
Allocation:gpd	

Application for Connection Briar Chapel Utilities, LLC Wastewater System c/o Envirolink, Inc. PO Box 670 Bailey, NC 27807 252-235-4900 Email: beutilities@envirolinkinc.com



ENVIROLINK Your Partner in Utility Management

***All applicable sections must be complete to be approved and mailed to	address above.***
--	-------------------

Select Une:	□ New Service	I Transfer Service	
Service Location In	formation:		

Name:	Lot Number:
Property Address:	
Phone Number:	
Email:	· · · · · · · · · · · · · · · · · · ·
<b>Effective Date:</b>	

MAILING ADDRESS FOR BILLS (OWNER or TENANT)	EXISTING CUSTOMER INFORMATION (For Transfer of Service Only)	
Customer Name	Customer Name Homes by Dickerson	
Name 2 or C/O	Name 2 or C/O	
Mailing Address	Mailing Address 7201 Creedmoor Rd. Suite 147	
City, State, Zip	City, State, Zip Raleigh, NC 27613	
Telephone # home	Telephone # home 919-847-4447	
Telephone # cell	Telephone # cell	
Email	Account #	

#### Customer Agreement (Owner)

As the owner, I hereby accept responsibility for all charges pertaining to waste water service and will not compromise the proper operation of waste water sanitary sewer being provided in any manner. I understand that any unpaid balance may result in service being discontinued.

Owner Signature	Date	
Customer (Owner) – I hereby request that Briar Chapel Utilities LLC send all bi all bills relative to waste water service for the above servic result in service being discontinued.	ills directly to the tenant and waive my right to receive	
Owner Signature	Date	
As the tenant, I hereby accept responsibility for all charges pertaining to waste water service from the above date. I understand that any unpaid balance may result in service being discontinued.		
Tenant Signature	Date	

# M=Kernie Exhibit I IIA

#### OLD NORTH STATE WATER COMPANY, LLC, DOCKET NO. W-1300, SUB 9

#### BRIAR CHAPEL UTILITIES, LLC DOCKET NO. W-1230, SUB 1

#### TRANSFER OF SEWER FRANCHISE TESTIMONY OF BABETTE MCKEMIE ON BEHALF OF THE PUBLIC STAFF NORTH CAROLINA UTILITIES COMMISSION

#### March 31, 2015

1	Q.	PLEASE STATE FOR THE RECORD YOUR NAME, BUSINESS
2		ADDRESS, AND PRESENT POSITION.
3	Α.	My name is Babette McKernie. My business address is 430 North
4		Salisbury Street, Dobbs Building, Raleigh, North Carolina. I am a
5		Utilities Engineer with the Public Staff of the North Carolina Utilities
6		Commission (Commission).

7

8 Q. BRIEFLY STATE YOUR QUALIFICATIONS AND EXPERIENCE
9 RELATING TO YOUR PRESENT POSITION WITH THE PUBLIC
10 STAFF.

A. I am a graduate of North Carolina State University; having earned a
Bachelor of Science Degree in Chemical Engineering. I have twentyseven years of environmental engineering experience, and since
joining the Public Staff in November 2001, I have worked on rate
increase applications, new franchise applications, and other aspects

of sewer utility regulation. I am a registered Professional Engineer in
 North Carolina.

3

#### 4 Q. WHAT ARE YOUR DUTIES IN YOUR PRESENT POSITION?

5 Α. My duties with the Public Staff are to monitor the operation of regulated sewer utilities regarding rates and service. Included in 6 these duties are field investigations to review and evaluate the design, 7 8 construction, and operations of regulated sewer utilities, preparing 9 reports and data to be used by the Commission, testifying in formal hearings, and making recommendations to the Commission 10 1**1** concerning initial and revised rate structures for regulated sewer 12 utilities.

13

14 Q. WHAT IS THE NATURE OF THE APPLICATION IN THIS RATE 15 CASE?

A. Old North State Water Company, LLC, (ONSWC) and Briar Chapel
Utilities, LLC, (Briar Chapel) filed a joint application to transfer the
ownership and assets of Briar Chapel to Old North State on
November 7, 2014. ONSWC did not apply to revise rates.

20

21 Q. BRIEFLY EXPLAIN THE SCOPE OF YOUR INVESTIGATION
22 REGARDING THIS TRANSFER APPLICATION.

1	Α.	I have reviewed the operational status of the wastewater collection
2		and treatment system. I reviewed the Division of Water Quality (DWQ)
3		compliance inspection reports from July 31, 2013, August 23, 2013
4		and August 14, 2014. I reviewed the past twelve months Non-
5		Discharge Monitoring Reports. I conducted a visit to the site on March
6		12, 2015 and met with Mike Myer of ONSWC.
7		The plant appears to be well run and operating in compliance with
8		DWQ requirements and standards. The Contract Operator,
9		Envirolink, is providing adequate maintenance and service and will
10		continue to operate the plant after ONSWC takes ownership.
11		
12	Q.	HAVE YOU RECEIVED ANY CUSTOMER COMPLAINTS AS A
13		RESULT OF CUSTOMER NOTICE IN THIS DOCKET?
14	A.	The Public Staff has not received any customer protests as a result of
15		the customer notice.
16		
17	Q.	WILL THIS TRANSFER HAVE ANY EFFECT ON THE
18		RESPONSIBILITY FOR MAINTAINING INDIVIDUAL GRINDER
19		PUMPS?
20	А,	Currently, the fifteen (15) grinder pumps in Herndon Woods
21		Subdivision are maintained by Briar Chapel Utilities, LLC. After the
22		transfer, ONSWC will assume this responsibility and take
23		responsibility for the maintenance of the grinder pumps. There are

also another forty-one (41) grinder pumps throughout the Briar Chapel
 Subdivision, which the homeowners own and maintain. The
 responsibility for the operation and maintenance, repairs and
 replacement of these will remain the homeowners.
 WHAT IS THE CAPACITY OF THE BRIAR CHAPEL WASTEWATER

7 TREATMENT PLANT AND IS AN EXPANSION GOING TO BE8 ANTICIPATED IN THE NEAR TERM?

A. The Briar Chapel wastewater treatment and disposal system has been
operating at significantly lower flows than permitted. On September
30, 2013 Briar Chapel Utilities, LLC received approval for an Adjusted
Daily Sewage Flow Rate from DWQ. Based on the current flows and
the DWQ approved flow reduction, and the current rate of building, the
expansion of the wastewater treatment plant and disposal system is
not anticipated to be necessary in the near future.

16

17 Q. DOES THE PUBLIC STAFF WATER DIVISION RECOMMEND THE18 COMMISSION APPROVAL OF THIS TRANSFER?

A. Yes, ONSWC owns and operates a number of other water and
 wastewater utility systems pursuant to certificates of public
 convenience and necessity issued by the Commission. ONSWC has
 provided adequate service for these utility systems. The Public Staff

1		believes that ONSWC has the managerial and operation capacities to
2		provide adequate service to the Briar Chapel wastewater customers.
3		
4	Q.	WHAT BOND DOES THE PUBLIC STAFF WATER DIVISION
5		RECOMMEND THAT ONSWC BE RQUIRED TO POST FOR THIS
6		FRANCHISE?
7	Α.	There is currently a \$50,000 bond posted by Briar Chapel Utilities,
8		LLC for this franchise. I recommend that the required bond remain
9		\$50,000 for Briar Chapel.
10		
11	Q.	WHAT RATES DO YOU RECOMMEND FOR SEWER SERVICE?
12	A.	The applicant has asked for the current rates to remain in effect.
13		After the adjustment to current rates due to the Implementation of
14		House Bill 998, the current rate is \$42.30 per month per REU. The
15		Public Staff recommends approval of the transfer and the current
16		rate.
17	Q.	DOES THIS CONCLUDE YOUR TESTIMONY?

18 A. Yes, it does.

• •

.

Bodley Exhibit 1 I 1A

#### OLD NORTH STATE WATER COMPANY, LLC DOCKET NO. W-1300, SUB 9

#### BRIAR CHAPEL UTILITIES, LLC DOCKET NO. W-1230, SUB 1

#### **TESTIMONY OF LAURA D. BRADLEY** ON BEHALF OF THE PUBLIC STAFF NORTH CAROLINA UTILITIES COMMISSION

#### March 25, 2015

1	Q.	MS. BRADLEY, WILL YOU STATE FOR THE RECORD YOUR
2		NAME, ADDRESS, AND PRESENT POSITION?
3	A.	My name is Laura Bradiey. My business address is 430 N.
4		Salisbury Street, Raleigh, North Carolina. I am a Staff Accountant
5		with the Public Staff of the North Carolina Utilities Commission.
6		
7	Q.	HOW LONG HAVE YOU BEEN EMPLOYED BY THE PUBLIC
8		STAFF?
9	Α.	I joined the Accounting Division of the Public Staff on August 15,
10		2001.
11		
12	Q.	WHAT ARE YOUR DUTIES?
13	Α.	I am responsible for the performance of the following activities: (1)
14		the examination and analysis of testimony, exhibits, books and
15		records, and other data presented by utilities and other parties
16		involved in Commission proceedings; and (2) the preparation and

presentation to the Commission of testimony, exhibits, and other
 documents in those proceedings.

3

4 Q. WILL YOU STATE BRIEFLY YOUR EDUCATION AND 5 EXPERIENCE?

6 Α. I have a Bachelor of Arts Degree from the University of North 7 Carolina at Chapel Hill. I have an Associate Degree in Applied 8 Science from Wake Technical Community College. Since joining 9 the Public Staff, I have presented testimony and exhibits in Maxwell Water Co., Docket No. W-339, Sub 5; Scientific Water and 10 11 Sewerage Corporation, Docket No. W-176, Subs 32 and 37; and 12 Holiday Island Property Owners Association, Docket No. W-386, 13 Subs 14 and 15. I have also filed affidavits in other water utility rate 14 proceedings, assisted on Carolina Water Service, Inc. of North Carolina, CWS Systems, and Aqua North Carolina, Inc., rate cases, 15 16 and worked on various projects dealing with utility matters.

17

# 18 Q. MS. BRADLEY, WHAT IS THE PURPOSE OF YOUR TESTIMONY19 IN THIS PROCEEDING?

A. Old North State Water Company, LLC, (Old North State) and Briar
Chapel Utilities, LLC, (Briar Chapel) filed a joint application to
transfer the ownership and assets of Briar Chapel to Old North
State on November 7, 2014.

1 2 The purpose of my testimony is to establish the reasonable amount 3 of rate base. 4 5 My investigation included a review of the current application. Briar 6 Chapel's initial franchise application in Docket No. W-1230, Sub 0, 7 annual reports, data request responses, books and records, and 8 Public Staff notes from that initial filing. 9 10 WHAT IS YOUR RECOMMENDATION CONCERNING THE Q. 11 APPROPRIATE AMOUNT OF RATE BASE? 12 I am recommending that the rate base at the time of transfer be Α. 13 established at zero as Old North State is not paying a purchase 14 price at closing. 15 16 Schedule 7, filed with the current application, contains a previous 17 Agreement developer between NNP-Briar Chapel, LLC. 18 (Developer) and Briar Chapel, dated October 30, 2009 (Developer The Developer Agreement provides for the Agreement). 19 installation, conveyance, and operations of the wastewater utility 20 21 system serving Briar Chapel and Herndon Woods in Chatham 22 County, North Carolina. Pursuant to Developer Agreement section 23 4.1, the Developer was to install a complete wastewater system in

Briar Chapel and Herndon Woods, and was to contribute 80% of the total construction cost as a Contribution In Aid of Construction (CIAC) to Briar Chapel. The remaining 20% was to be recovered through connection fees and rates. Briar Chapel currently has an approved connection fee of \$1,500.

6

Section 3.2 of the Asset Purchase Agreement (APA), between Old
North State, Developer, and Briar Chapel, dated October 31, 2014
requires Old North State to continue to collect the \$1,500
connection fee, which will be paid back to Briar Chapel on a
quarterly basis as new connections are made. Each \$1,500
connection fee paid is CIAC which will offset the \$1,500 purchase
price payment resulting in zero rate base for that new connection.

14

15 Section 3.3 of the APA requires that the wastewater treatment plant 16 (WWTP) be expanded at some unknown point in the future as a 17 capital investment of Old North State. Old North State estimated 18 expansion cost of \$2,450,000, which has not yet been incurred, is 19 not a factor at this time in determining rate base.

20

21 Section 4.2 of the APA provides that Developer construct at 22 Developer's expense, all remaining expansions of the Briar Chapel 23 wastewater utility system with the exception of the expansion of the

future WWTP which the APA requires to be performed by Old North State. The future expansions required of Developer include all collection system extensions, including collection system lift stations, reclaimed, spray and reuse irrigation facilities, effluent storage ponds, if required, and the necessary land and easements for the collection system, lift stations, reclaimed, spray, and reuse irrigation facilities, and effluent storage pond.

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#### 9 Q. DOES THIS CONCLUDE YOUR TESTIMONY?

10 A. Yes, it does.

CraigExhibit 1 IIA

#### STATE OF NORTH CAROLINA UTILITIES COMMISSION RALEIGH

DOCKET NO. W-1300, SUB 9 DOCKET NO. W-1230, SUB 1

#### BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of

Application by Old North State Water Company, ) 1620 Old Chalk Road, Wake Forest, North Carolina ) 27587, and Briar Chapel Utilities, LLC, 16 Windy ) Knoll Circle, Chapel Hill, North Carolina, 27516 for ) Authority to Transfer Sewer Franchise in Briar ) Chapel Subdivision, in Chatham County, ) North Carolina, to Old North State Water Company, ) LLC, and for Approval of Rates

AFFIDAVIT\_OF CALVIN C CRAIG, III

State of North Carolina

County of Wake

I, Calvin C. Craig, III, being first duly sworn do depose and say:

I am a Public Utilities Financial Analyst with the Economic Research Division of the Public Staff of the North Carolina Utilities Commission representing the using and consuming public.

I received a Bachelor of Science degree in Industrial Relations from the University of North Carolina at Chapel Hill in 1985, a Master of Business Administration degree from East Carolina University in 1993, and a Juris Doctor degree from North Carolina Central University in 2006. Since joining the Public Staff in November 1995, I have been involved with natural gas expansion projects, have conducted rate of return studies, and have filed affidavits assessing financial viability and a fair rate of return in numerous water and sewer utility rate cases. Prior to joining the Public Staff, my professional experience included ten years in lending and financial analysis with the State Employees Credit Union of North Carolina.

The purpose of my affidavit is to make a recommendation to the Commission regarding the financial fitness of Old North State Water Company LLC (Old North State or Company), to provide sewer utility service at Briar Chapel Subdivision in Chatham County, North Carolina. In regard to the financial fitness of Old North State, I have evaluated the financial and accounting information in this docket and financial statements for Old North State and its affiliate company, integra Water, LLC.

An examination of the financial condition of Old North State caused the Public Staff to develop significant concerns regarding the Company's financial ability to sustain operations and provide funding for necessary capital improvements. The Company's financial statements indicate a capital structure containing a high level of debt. The Company's affiliate company, Integra Water, LLC has a significantly stronger financial position than Old North State and has a reasonable capital structure that contains a significantly lower level of debt. Based on an examination of the financial statements for Integra Water, LLC, along with assurances from executives at Integra that their company was committed to provide capital to Old North State Water Company, LLC, as appropriate to provide adequate service, I conclude that Old North State is financially fit to provide the sewer utility service for which it has applied in this

docket. Therefore, I recommend the Commission approve the transfer of the sewer franchise and sewer utility system to Old North State.

This concludes my affidavit.

Calvin C. Craig, III

Sworn to and subscribed before methis the  $35^{44}$  day of March, 2015.

MIIIII Notary My Commission expires: