

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC APPLICATION)
WOOD CREEK WATER DISTRICT)
PURSUANT TO 807 KAR 5:071, SECTION 7(4)) Case No. 2017-00307
FOR APPROVAL OF PROPOSED)
INSPECTION PROCEDURES)

**RESPONSE TO COMMISSION STAFF'S FIRST
REQUEST FOR INFORMATION TO WOOD CREEK WATER DISTRICT**

Comes the Wood Creek Water District ("Wood Creek"), by and through Counsel, and responds to the Request to Commission Staff's First Request for Information.

REQUEST NO. 1: State whether WCWD's wastewater facilities are a pressure system.

RESPONSE: Yes, WCWD's facilities are a low pressure system. The Witnesses responsible for providing this information are Donta Evans, Superintendent; Bradley Roark, Project Coordinator; Carl Roark, Foreman, Wood Creek Water District.

REQUEST NO. 2(a): For WCWD's grinding pump stations, provide the following:

a) Explain whether there is a check valve or other valve assembly to prevent backflow installed for each grinding pump station in the WCWD system. If there is not a check valve or other valve assembly to prevent backflow installed at each grinding pump station, provide the following:

(1) The number of grinding pump stations that do not have a check valve or other valve assembly to prevent backflow.

(2) An explanation for why a check valve or other valve assembly is not installed at these grinding pump stations.

RESPONSE: Yes, WCWD's facilities are a low pressure system. The Witnesses responsible for providing this information are Donta Evans, Superintendent; Bradley Roark, Project Coordinator; Carl Roark, Foreman, Wood Creek Water District.

REQUEST NO. 2(b): Explain whether each grinding pump station has a collection or storage tank for holding wastewater.

(1) If there is a collection or storage tank for holding wastewater, state the capacity of the tank in gallons.

(2) If there is not a collection or storage tank for holding wastewater at each grinding pump station, provide the number of grinding pump stations that do not have a collection or storage tank for holding wastewater and explain why a collection or storage tank facility is not installed at these grinding pump stations.

RESPONSE: Yes, each grinding pump station has a collection tank for holding wastewater. The standard tank we use is: 30" x 60" Fiberglass basin with a capacity of 184 gallons.

Additional tanks we use are: 30" x 72" Fiberglass basin with a capacity of 220 gallons.

30" x 84" Fiberglass basin with a capacity of 257 gallons.

30" x 96" Fiberglass basin with a capacity of 294 gallons.

Tanks of different depths have to be used at times depending on a customer's existing plumbing and the elevation to the location of the tank. The Witnesses responsible for providing

this information are Donta Evans, Superintendent; Bradley Roark, Project Coordinator; Carl Roark, Foreman, Wood Creek Water District.

REQUEST NO. 2(c): Explain whether each grinding pump station has a sewer relief valve. If there is not a sewer relief valve at each grinding pump station, provide the number of grinding pump stations that do not have sewer relief valve and explain why a sewer relief valve is not installed at these grinding pump stations.

RESPONSE: No, WCWD does not install sewer relief valves on each grinding pump station. WCWD has 1,278 grinding pump stations without sewer relief valves installed. WCWD does not install cleanouts on a pressurized system for there to be a need for a sewer relief valve. Any cleanouts are on the customers plumbing and are not the responsibility of the District. The Witnesses responsible for providing this information are Donta Evans, Superintendent; Bradley Roark, Project Coordinator; Carl Roark, Foreman, Wood Creek Water District.

REQUEST NO. 2(d): State whether each grinding pump station is designed to bypass water to the area surrounding the station in the event of an overflow. If there are grinding pump stations that are not designed to bypass water to the area surrounding the station in the event of an overflow, provide:

- 1) The number of grinding pump stations that do not have the design.
- 2) The design for such stations in the event of an overflow.

RESPONSE: Yes, each grinding pump station is designed to bypass water to the area surrounding the station in the event of an overflow, through a vent cap on each of the tanks lids. The Witnesses responsible for providing this information are Donta Evans, Superintendent; Bradley Roark, Project Coordinator; Carl Roark, Foreman, Wood Creek Water District.

REQUEST NO. 3: Describe what happens at a grinding pump stations when the grinding pump fails.

RESPONSE: The grinding pumps are designed to set off an alarm upon the sewage level in the collection tank reaching a specific level. The alarm consists of both an audible and/or visual alarm. The Witnesses responsible for providing this information are Donta Evans, Superintendent; Bradley Roark, Project Coordinator; Carl Roark, Foreman, Wood Creek Water District.

REQUEST NO. 4: Provide WCWD's response policy and procedures for a failure of a grinding pump station.

RESPONSE: The District has on duty and/or on call trained personnel 24/7 to respond to any failure and/or problem. Personnel arrive on scene, troubleshoot, repair and/or replace as necessary. Replacement pumps and all necessary appurtenances are stored on service trucks or at the Districts warehouse. The Witnesses responsible for providing this information are Donta Evans, Superintendent; Bradley Roark, Project Coordinator; Carl Roark, Foreman, Wood Creek Water District.

REQUEST NO. 5: Provide the instructions that WCWD provided to its customers in the event of a grinding pump station failure. Provide a copy of the instructions given to customers.

RESPONSE: See attachment for item # 5. The Witnesses responsible for providing this information are Donta Evans, Superintendent; Bradley Roark, Project Coordinator; Carl Roark, Foreman, Wood Creek Water District.

REQUEST NO. 6(a): For WCWD's wastewater system, provide:

- a) Provide the name(s) of the manufacturer(s) of the grinding pumps used by WCWD;

RESPONSE: eone Gatorgrinder; eone Extreme; Barnes; Liberty. The Witnesses responsible for providing this information are Donta Evans, Superintendent; Bradley Roark, Project Coordinator; Carl Roark, Foreman, Wood Creek Water District.

REQUEST NO. 6(b): Provide the model(s) of the grinding pumps used by WCWD;

RESPONSE: eone Gatorgrinder – Model # 1KBA01AA01T; eone Extreme – Model # WH Series U200A08AAA; Barnes – Model # OGP2022AUE; Liberty – Model # LSGX202A. The Witnesses responsible for providing this information are Donta Evans, Superintendent; Bradley Roark, Project Coordinator; Carl Roark, Foreman, Wood Creek Water District.

REQUEST NO. 6(c): For each model identified in the response to sub-part b. of this request, provide:

- 1) State whether the grinding pump is a simple or duplex model;
- 2) Provide a description of the alarm(s) that are activated when a high water level is reached in the storage tank;
- 3) Provide a copy of the manufacturer's technical specifications or any equipment specifications supplied with the grinding pump;
- 4) Provide the service life of the grinding pump per the manufacturer's recommendation;
- 5) Provide the manufacturer's recommended routine maintenance for the grinding pump station;
- 6) Provide the depreciable life assigned to the grinding pump; and;
- 7) Provide the number of this type of grinding pump used by WCWD in its system.

RESPONSE: 1) All grinding pumps WCWD uses are simplex models. 2) eone Gatorgrinder – Both an audible alarm & a visual alarm consisting of an illuminated red light on

the pump panel; eone Extreme – Both an audible alarm & a visual alarm consisting of an illuminated red light on the pump panel; Barnes – Both an audible alarm & a visual alarm consisting of an illuminated red light on the pump panel; Liberty – A visual alarm consisting of an illuminated red light on the pump panel. No audible alarm. 3) See attachment for item # 6-(3). 4) WCWD does not know of a specific service life of any of the pumps in use. Many factors play a role in deciding the life of any given pump including but not limited to: the run time of a pump, the type of material the pump has to grind, certain environmental factors, the willingness of the customer to abide by the guidelines we provide to them on what to introduce into the sewage system and what not to. 5) The grinding pumps WCWD has in use are designed for long lasting, efficient and reliable service with minimal to no routine maintenance required. To the district's knowledge there is no recommended routine maintenance suggested for any of our pumps in use. 6) 5-10 Years. 7) eone Gatorgrinder – 604 units in use; eone Extreme – 255 units in use; Barnes – 55 units in use; Liberty – 364 units in use. The Witnesses responsible for providing this information are Donta Evans, Superintendent; Bradley Roark, Project Coordinator; Carl Roark, Foreman, Wood Creek Water District.

REQUEST NO. 7: Describe the current system inspection procedures that WCWD has in place to detect a poorly functioning or nonfunctioning grinding pump station.

RESPONSE: WCWD depends on the customer reporting any issues that may arise from a poorly functioning or nonfunctioning grinding pump station. The stations are designed to alert the customer by an audible and/or visual alarm. The customer would also be the first to know of any issue with the functioning of the sewage system inside the residence or business of said customer. The Witnesses responsible for providing this information are Donta Evans,

Superintendent; Bradley Roark, Project Coordinator; Carl Roark, Foreman, Wood Creek Water District.

REQUEST NO. 8: WCWD has included in its application a proposed alternative inspection schedule to ensure that WCWD is inspecting its grinding pump stations as often as necessary. Provide the minimum inspection interval for grinding pump stations recommended by the manufacturer.

RESPONSE: The pumps WCWD uses are designed to be maintenance free and efficient, requiring attention only when a problem arises causing complete pump failure. The manufacturers do not suggest a minimum inspection interval. The Witnesses responsible for providing this information are Donta Evans, Superintendent; Bradley Roark, Project Coordinator; Carl Roark, Foreman, Wood Creek Water District.

REQUEST NO. 9: For years 2010 to present, by year, state the number of grinding pump stations failures.

RESPONSE:

2010	48
2011	33
2012	18
2013	54
2014	51
2015	41

2016	27
2017	31

The Witnesses responsible for providing this information are Donta Evans, Superintendent; Bradley Roark, Project Coordinator; Carl Roark, Foreman, Wood Creek Water District.

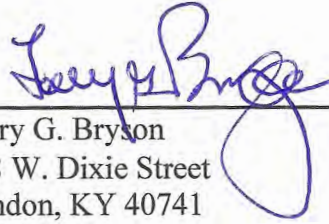
REQUEST NO. 10: For years 2010 to present, by year, state the number of customer complaints regarding grinding pump stations. For each complaint, state the resolution of the complaint.

RESPONSE:

Year	No. of Complaints	Replace Grinder Pump	Replace Hose & Fittings	Reset Electrical	No Problem Found	Replaced Lid & Vent Cap	Problem on Customer	Replaced Control/ Alarm or Parts	Open Laterial Kit	Unstick or Replace Float	Replace Standpipe & Check	Cleaned Tank & Pumps
2010	57	48	1	1	7							
2011	42	33	1	1	4	1	1	1				
2012	30	18	3	1	4		3	1				
2013	61	54	1	1	1	1	1	1	1			
2014	64	51	2	3	1		1		1	4	1	
2015	60	41	1	3	1			6		3	3	2
2016	36	27	2		2				1	1	1	2
2017	43	31			2		3		1	3		3

The Witnesses responsible for providing this information are Donta Evans, Superintendent; Bradley Roark, Project Coordinator; Carl Roark, Foreman, Wood Creek Water District.

Respectfully submitted,



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VERIFICATION

I, Donta Evans, state that I have read the foregoing Responses to the Commission Staff's Post-Hearing Request for Information propounded to Wood Creek Water District and that they are true and correct to the best of my knowledge.


DONTA EVANS

STATE OF KENTUCKY)
COUNTY OF LAUREL)

Subscribed and sworn to before me by Donta Evanss, on this 17th day of October, 2017.


NOTARY PUBLIC

My commission expires:

5-2-2020

Notary ID:

556180

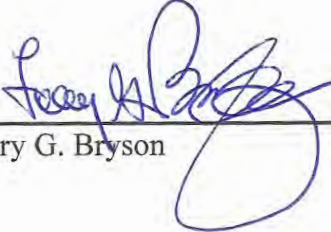
CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Wood Creek's October 19, 2017 electronic filing of this Application is a true and accurate copy of the same document being filed in paper medium; that the electronic filing was transmitted to the Commission on October 20, 2017; that there are currently no parties that the Commission has excused from participation by electronic means in this proceeding; and that an original and ten copies of the Response in paper medium will be delivered to the Commission by U.S. mail.

Original:

Public Service Commission
211 Sower Boulevard
P.O. Box 615
Frankfort, Kentucky 40602

This the 19th day of October, 2017.



Larry G. Bryson