

**IN THE TENNESSEE PUBLIC UTILITY COMMISSION
AT NASHVILLE, TENNESSEE**

IN RE:)
)
PETITION OF TENNESSEE)
WASTEWATER SYSTEMS, INC., TO) **DOCKET NO. 18-00107**
AMEND ITS CERTIFICATE OF)
CONVENIENCE AND NECESSITY)

DIRECT TESTIMONY OF MATTHEW NICKS

Q1. What is your name and business address?

A. My name is Matthew Nicks and my business address is 849 Aviation Parkway, Smyrna TN, 37167.

Q2. By whom are you employed and in what capacity?

A. I am the Project Manager for Tennessee Wastewater Systems, Inc.

Q6. What is the purpose of your testimony in this proceeding?

A. The purpose of my testimony is to describe the proposed development and the ability of TWSI to properly operate and maintain the wastewater treatment and collection system for the Warrioto Hills subdivision.

Q5. Please describe TWSI's service territory.

A. In 1994 the Public Service Commission (predecessor to the TPUC) granted TWSI (then called On-Site Systems, Inc.) its initial CCN. Since that time, TWSI has been granted over 100 CCNs and provides wastewater service to over 3000 customers in 23 Tennessee counties.

Q7. Please describe the proposed Warrioto Hills Subdivision.

A. Warrioto Hills is located in Montgomery County, Tennessee in the Clarksville area. The development is planned for approximately 57 single family residences.

Q8. What type of wastewater collection and treatment system is proposed for Warrioto Hills?

- A. The collection system will be a septic tank effluent pump (STEP) system, with septic tanks and pumps at each home. The tanks discharge to collection lines that will convey the wastewater to the central treatment system which will be a Recirculating Media Filter type system. The treated effluent will be disinfected, and land applied through drip irrigation. This type of system is in the majority of systems owned and operated by TWSI.

Q10. What is the status of permitting and approvals with the Tennessee Department of Environment and Conservation?

- A. A State Operating Permit (SOP) has been applied for. A copy of which is attached to the Petition as Exhibit C.

Q11. Does TWSI have the managerial and technical ability to operate and maintain the treatment system for Warrioto Hills?

- A. Yes. The treatment and collection system proposed for use at Warrioto Hills is similar to the majority of systems already owned and operated by TWSI. TWSI's system operators and maintenance personnel will be responsible for ensuring the system is maintained and operated in compliance with TDEC regulations.

In addition to the operations and maintenance personnel, TWSI will continually monitor the system through remote telemetry and the HAWKMS system. HAWKMS gives the operators the ability to remotely monitor and control their plants. Utilizing this technology not only allows TWSI to operate and maintain sites more efficiently, but also less expensively as it cuts down on the need for additional personnel, equipment, and allows the utility to optimize energy consumption based on plant conditions. Including TWSI owned systems, there are over 300 wastewater facilities using this technology.

Q12. How will the construction of the wastewater treatment system and facility for Warrioto Hills be managed and funded?

- A. The wastewater treatment system and facility will be constructed by the developer and conveyed to TWSI as a contribution in aid of construction. TWSI will be granted easements and deeded ownership of the system and land upon which the system is constructed once construction is complete and the system is approved and accepted by the utility.

Q13. What rates and charges will be used for Warrioto Hills?

- A. TWSI will apply the Tier 1 Residential Rate to this development. Currently that rate is \$48.25. The tariff sheet is Exhibit K of the Petition.

Q14. Does TWSI have the financial resources to provide service to Warrioto Hills?

- A. Yes. TWSI currently has in place a \$300,000 bond approved by the Commission. Further the utility has over 3000 customers in Tennessee which makes adding a new territory less

of a financial burden to the company. The Company is also able to offset initial operations and maintenance costs through the annual access fees paid to TWSI by owners of empty lots. In addition, a copy of TWSI's 2017 UD-20 and a 5-year projection have been included as Exhibits "D" and "F".

Q15. Will TWSI abide by the orders and rules of the Commission?

A. Yes.

Q16. Does this complete your testimony?

A. Yes.

AFFIDAVIT


My name is Matthew Nicks and the attached direct testimony is true and correct to the best of my knowledge.


Matthew Nicks

County of Rutherford)
State of Tennessee)

On this 16 th day of October 2018, personally appeared before me, Suzanne Christmas, a notary public, the above-named Matthew Nicks known to me personally who was duly sworn and on oath executed the above Affidavit.




Notary

My commission expires: 12/1/2020