

**BEFORE THE TENNESSEE REGULATORY AUTHORITY**

**NASHVILLE, TENNESSEE**

**IN RE:** )  
 )  
**PETITION OF TENNESSEE** ) **DOCKET NO. 15-00025**  
**WASTEWATER SYSTEMS, INC.** )  
**TO AMEND ITS CERTIFICATE** )  
**OF CONVENIENCE AND NECESSITY** )

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**TESTIMONY OF ROY DENNEY**

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Q. Please state your name and occupation.

A. My name is Roy Denney and I am the Chief Technical Officer for the Adenus companies, which includes Tennessee Wastewater Systems, Inc. ("TWSI").

Q. Tell us about your background.

A. Attached as an exhibit is a copy of my resume. I am a licensed engineer in Tennessee. After graduating from Vanderbilt with a degree in engineering, I worked for Yoplait/General Mills in Murfreesboro, spent seven years as a plant engineer with Metro Water Services here in Nashville and have been with Adenus since October, 2014.

Q. What is the purpose of your testimony?

A. I am responding to the arguments of the Consumer Advocate concerning the technical and managerial qualifications of Tennessee Wastewater Systems, Inc. to offer wastewater services at The Enclave at Dove Lake. Since I am part of the management team, I will be

personally involved in making sure that TWSI will provide the managerial and technical expertise that is needed to serve this site.

Q. Please describe your responsibilities for TWSI and the other Adenus companies.

A. As Chief Technical Officer for the Adenus Companies I am active in numerous roles. These responsibilities include, but are not limited to the following.

With regards to Tennessee Wastewater Systems, I am responsible for technical decisions ranging from approvals of equipment suppliers, to decisions on the appropriate treatment alternative for proposed sites. These activities can be as simple as selecting a new pump manufacturer or as complex as designing a new treatment plant. I am also the principal engineer for the Adenus companies which means plans produced for treatment plants are prepared at my direction and will bear my seal and signature.

Outside of TWSI, I am responsible in a similar scope for treatment sites we manage for other utilities through Adenus Operations. I am also the chief operator for the Logue Road Treatment Plant in Wilson County, Tennessee. Through Adenus Operations I provide technical assistance with troubleshooting systems for multiple entities.

With Adenus Tech, I provide both input regarding fabrication of new products and improvement of existing products, and ensure that products used or manufactured are safe and reliable.

With Adenus Solutions Group, I am the principal engineer, which means I am responsible for the production of all technical information, engineering reports and design plans produced. Additionally, I manage the construction team in the field and am responsible for construction projects and new projects these can be TWSI projects or others. I develop new or

revised specifications for the collection systems, treatment systems, and site planning. I direct the technical group in providing a controls solution for treatment and collections panels. I prepare technical information for informational or educational purposes for dissemination with customers, developers and regulators. I am responsible for site improvement plans.

Q. Can you assure the Authority that TWSI has the managerial and technical expertise to provide service at The Enclave at Dove Lake?

A. Yes. TWSI with the support of the expertise of the other Adenus companies is the oldest, largest and one of the best known providers of standalone wastewater services in this part of the country. There is no question that TWSI has the managerial and technical abilities to provide excellent service at this site.

Q. Does this conclude your testimony?

A. Yes.

## Roy Denney, PE

712 Silverhill Drive; Murfreesboro, TN 37129 Phone: 615-479-9511

MechPE@gmail.com

### PROFESSIONAL SUMMARY AND ACHIEVEMENTS

#### ***Project engineering and management***

- Functioned as the site engineer for the startup and commissioning of the \$120 Million Metro Water Services Biosolids Facility.
- Project Manager for the owner in the design of a new \$3.5 million effluent pump station to supply process water to the Metro Water Services Biosolids facility.
- Developed operational staffing and procedures for a new facility.
- Site Incident Command at Metro Water Services Central Wastewater Treatment Plant during 500 year flood event in 2010. Managed resources, clean up and recovery efforts, logistics and supplies, and communication to employees when plant communications were down.

#### ***Troubleshooting and problem solving***

- Assessed environmental conditions resulting in final product failure to meet QC Standards through review of variables during manufacturing conditions. Reduced occurrences of heating and combustion of final product in storage by over 90% with in house modifications to the process.
- Balanced cooling tower control loop to allow return water and make up water bypass when the system did not need cooling capacity. Resolved deadheading and water hammer conditions by review and modifications to control logic.
- Identified and located an ammonia leak in a closed loop, heated water system. Addressed isolation of the leak and discharge of contaminated water.

#### ***Public outreach and communication***

- Develop and present public outreach presentations for the Metro Water Services Biosolids Facility for schools, public officials, and industry groups.

### CAREER EXPERIENCE

October 13 - Present

Adenus Group, LLC

Smyrna, TN 37167

Chief Technical Officer

Provide technical direction for the companies under Adenus Group. Manage the staff of Adenus Solutions. Chief Engineer responsible for plans and designs.

- Business management including budgeting, documentation, design and review, environmental compliance, and permitting.
- Operations and Maintenance support and customer support including programming PLCs and VFDs, developing and maintaining QA/QC testing practices, and failure analysis and review.
- Development of new processes, technologies and markets to increase marketability of the company and expand service areas.

March 07 - October 13

Metro Water Services

Nashville, TN 37208

Plant Engineer

Plant Engineer for the Metro Water Services Biosolids Facility from the field oversight of construction and contract adherence through to current operations, maintenance, and planning.

- Business management including budgeting, RFPs, document and design review, environmental compliance, and permitting.
- Operations and Maintenance support including programming PLCs and VFDs, developing and maintaining QA/QC testing practices, and failure analysis and review.
- Manage energy recovery and reuse systems.

May 06 – March 07

Fluor Global Craft [Yoplait/General Mills]

Murfreesboro, TN 37128

Ammonia Technician

Provided maintenance and operational support for the building utilities of the Yoplait production facility. Performed maintenance and improvement projects.

- PLC Controls troubleshooting.

**EDUCATION AND LICENSURE**

Bachelor of Engineering, Mechanical Engineering

Vanderbilt University

FE/EIT

PE TN114195

Grade IV Wastewater Treatment Plant Operator

REFERENCES AVAILABLE ON REQUEST

Nashville, TN 2003

State of Tennessee 2004

State of Tennessee 2011

State of Tennessee 2013