Hosting an AWOP Technical Workshop

2023 ADEM Surface Water Meeting October 18, 2023

James Vance, PE - Manager Brian Barton - Chief Operator

Host An AWOP Meeting?????

- Should We? YES
- Why? Be Proactive, Desire to Learn More/Learn From Others, Streamline Operations.
- ADEM Requested Our Assistance and We Were Glad to Help!





Resources Needed:

- Coordination of Operations/Maintenance Staff, SCADA Contractor & PALL Engineer
- City of Muscle Shoals Cypress Lakes Golf
 & Tennis Facility Meeting Room Space
- Refreshments
- Lodging & Meal Recommendations
- Extra Curricular Recommendations— Alabama Music Hall of Fame, Muscle Shoals Sound Studios, Helen Keller Birthplace



Muscle Shoals Water Treatment Plant

PWSID# AL0000321

Colbert County - Muscle Shoals, AL

Tennessee River – Wilson Lake

9 MGD Permitted

4.5 MGD Average

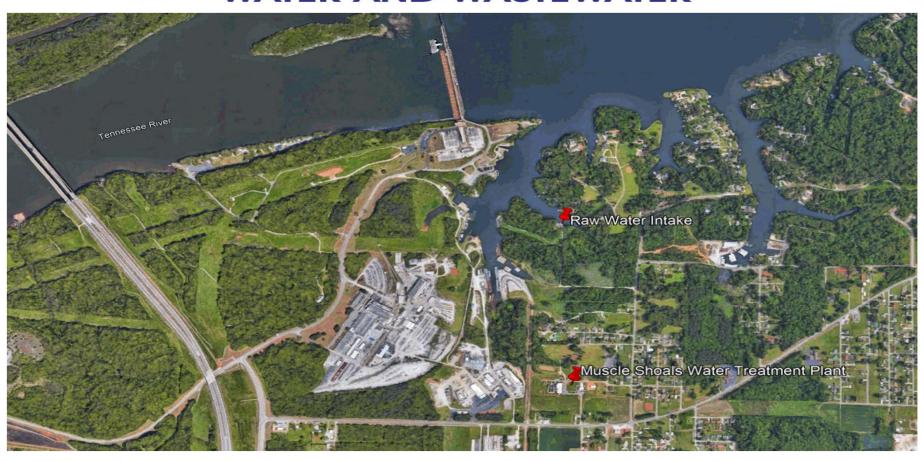
30% PALL Microfiltration (2012)

60% Gravity Sand Filters (1960's/1980's)

7,776 Metered Connections

2 Wholesale Customers











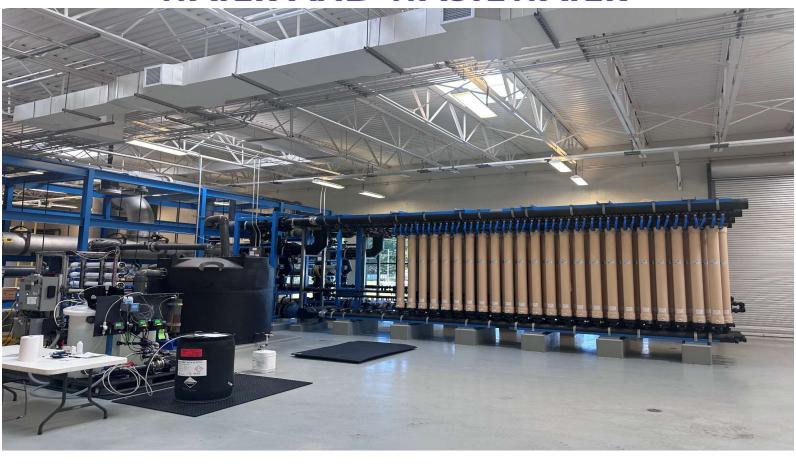




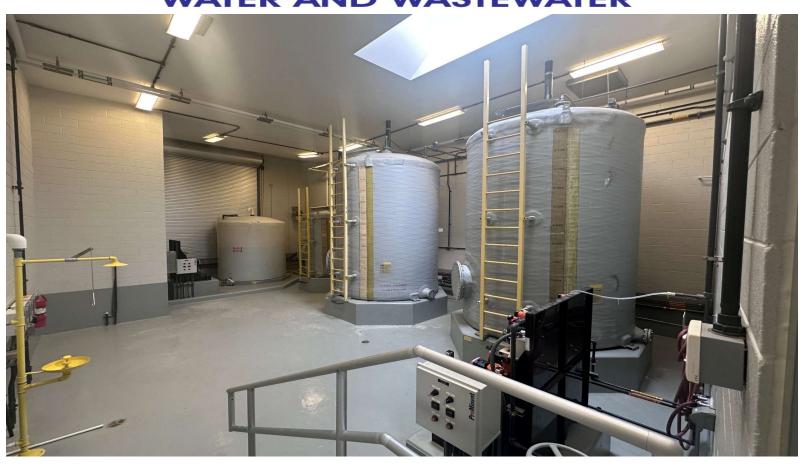




























- Guest Arrival ADEM, EPA, Surrounding States
- Visitor Sign-in
- Introductions
- Large Group Tour of Facility
- Participants Divided Into Small Groups For Detailed Data Discovery And Information Gathering



- Small Group Case Studies Data Acquisition
 - Turbidity Sampling & Location
 - Turbidimeter Operation/Maintenance
 - Integrity Test
 - Pressure Decay
 - Log Removal
- Lunch Break



- Each Small Group Reviewed & Discussed Data
- Small Group Studies & Discussion Lasted Until Late Afternoon
- Day Concluded With 30-45 Minutes Review of Findings, Conclusions & Recommendations With Our Staff



- What Did We Learn?
 - Causes operators to "brush-up" on their knowledge and specifics of the plant
 - Allows you to find deficiencies your plant might have in a non-regulatory situation
 - Will help you to further optimize operations – Recognize deficiencies and make corrections
 - Promotes good-will and positive work relationships with ADEM/EPA
 - Can be slightly overwhelming to the Operators
 - Minimal associated costs Worth it in the big picture!





Muscle Shoals Water Plant - AWOP

THANK YOU!

