It’s Award Nomination Time!

That’s right! It is time to recognize that devoted operator, that engineer of excellence, the lab analyst of renown! Nominations are now open and will be accepted until **COB Friday, November 11, 2016**.

Information on the awards can be found at the WEASC website at: http://www.scwaters.org/?page=AwardsWEASC. This site provides links to information on the requirements and criteria for each award.

The nomination form can also be found online. Click the link: WEASC Nomination Form—Editable File for a Word doc. Nomination forms should be emailed to Janet McSwain at jmcswain@mcswainengineering.com.

Keep in mind that District Award winners will automatically nominated for WEASC state level awards.

We will honor all award winners at the Annual Oyster Roast, scheduled for December 1, 2016 at Weston Sampson. Mark your calendars and plan to attend!

Let’s honor those who work so diligently in service to our communities and water!

Awards

- Water Operator
- Wastewater Operator
- Laboratory Analyst
- Crystal Crucible
- Maintenance Operator
- Engineer

Safety — Certificate of Merit
Safety — Young Professional Award
Safety — Certificate of Commendation
Certificate of Achievement in Safety
Dennis Pittman Collection
System Award
Excellence in Collection System Operations

Coming Events

LCD is planning a number of great events:

- **Oyster Roast and Awards at Weston & Sampson:** December 1, 2016
- **CIPP Demonstration:** January 2017, date TBD, social to follow
- **Officer Elections at Holy City Brewery:** February 2, 2017

Please be sure we have your current email address so you can receive the e-vite.
Thirty-eight intrepid LCD members braved the remnants of tropical storm Julia to attend a tour of the upgraded Center Street Wastewater Treatment Facility in Mt. Pleasant on September 15th.

Beginning in 2012 through 2015, the City of Mt. Pleasant invested $27.2 million dollars in the upgrade and enhancement of their treatment facilities. The project was awarded the SC DHEC Facility Excellence Award in both 2013 and 2014. Several of the upgrade concepts could be utilized in other treatment plants considering enhancing their own treatment facilities.

Greg Hill was our tour guide, walking us through the process from headworks through effluent discharge. The plant included many energy conservation measures that reduced energy consumption by:

- Influent pumping — 36%
- Headworks screening — 68%
- Mixing for EQ and anoxic basins — 71%
- Secondary clarifiers — 41%
- Aerobic digesters—65%

Variable speed turbo blowers provide the air to the aeration basins. The blowers were incredibly quiet, so much so that Greg was able to provide information about them and the process without yelling and with no one straining to hear.

The WWTP is land locked, with residences on one side, their backyards literally on the WWTP’s fence line, and with a school wrapped around two other borders. Needless to say, noise was a major concern for these neighbors. These blowers, along with extensive noise abatement in the form of insulation and sound proofing, have made the plant almost silent outside the blower building and very quiet even within.

Turbo blowers and D.O. control are key to treatment and energy improvements.
Using Hach D.O. monitors, the aeration basins have three aeration zones, holding D.O levels close to 1.5 mg/l in the first, 1.0 mg/l in the second and 0.5 mg/l in the third. The tapered aeration provides optimal treatment while conserving energy.

Clarifier weir covers created a lot of interest from the operators. One other feature that created quite a stir among tour participants were the clarifier weir covers. Greg explained how these had vastly reduced to almost eliminated any cleaning of algae on the weirs, making them one of the most popular features among the plant operators! The effluent was crystal clear, with pollutant levels so low that it likely improves the water quality in Charleston Harbor.

Overall, the project was a huge success and will serve Mt. Pleasant well into the future.

The heavens opened as we were finishing the tour, so we retreated to the shelter of Red’s Ice House for some refreshment and conversation.

The Social at Red’s Ice House

Thanks to all our sponsors!
STAY CONNECTED!

Be sure to check out all the events throughout the state at www.scwaters.org.

Log in is simple. Your user name is the email for your membership (you should be getting regular email notifications from the Columbia office). Log in instructions are on the website.

LCD Thanks our 2016 Sponsors

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