



**Manatee County
Utilities and Jacobs
to present on recent
projects at the
SWWRF.**

**Come meet with
other professionals,
learn about Manatee
County's projects
and get involved!**

FEBRUARY 6, 2018

FWEA / FSAWWA JOINT LUNCHEON

Utilizing Existing WRF Infrastructure for Nitrogen Removal in Manatee County

*Before its conversion, Manatee County's Southwest Water Reclamation Facility (SWWRF) was a 15 million gallons per day (mgd), annual average daily flow (AADF) domestic wastewater plant, utilizing primary, secondary and tertiary treatment. The **County proactively incorporated nutrient removal** into this facility and converted the existing plant liquid stream treatment process to a **Modified Ludzack-Ettinger (MLE) process to reduce total nitrogen (TN) to less than 10 parts per million (ppm)**. Soon after the MLE Process was implemented, the SWWRF observed **TN levels below the target of 10 mg/L, a reduction up to 70% from the previous process.***

**Contact:
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941 . 378 . 3579**

LOCATION:

Sarasota Co. BOB Bldg.
1001 Sarasota Center Blvd.
Sarasota, FL 34240

www.fwea.org

11:45 a.m.-1 pm

