



DATE: *MAY 10, 2019*

LOCATION: *SWATARA TOWNSHIP AUTHORITY WWTP*

SCHEDULE OF EVENTS

8:00 - 11:30 AM TOUR*: **SWATARA TOWNSHIP AUTHORITY WWTF**

EXHIBITS: Vendors will be exhibiting their products and services.

THANKS TO: **Arro Consulting, Inc.:** [Donuts]

Keystone Pump & Power: [Coffee]

11:30 - 11:45 AM REGISTRATION &

11:45 - 1:00 PM LUNCHEON:

Hummelstown Fire Hall
249 East Main Street,
Hummelstown, PA 17036

1:00 - 1:30 PM PRESENTATION: SWATARA TOWNSHIP AUTHORITY WWTP,
GIS Collections System Mapping

SPEAKERS: Nate Merkel, ARRO CONSULTING, Inc.

1:30 - 2:00 PM CPWQA: Business meeting and door prize drawing

***IF YOU REGISTER FOR THE DEP CONTACT HOUR, YOU MUST PRESENT YOUR DEP CLIENT ID CARD/CERTIFICATE AND A PHOTO ID AT THE CONTACT HOUR ATTENDANCE DESK IN ORDER TO RECEIVE CREDIT FOR THE CONTACT HOUR. NOTE FOR PROFESSIONAL ENGINEERS: PES ATTENDING TOUR & MEETING WILL RECEIVE A CERTIFICATE FOR 1 PDH.**

SWATARA TOWNSHIP AUTHORITY WWTF SNAPSHOT

The Swatara Township Authority Wastewater Treatment Facility is a 6.3 MGD facility designed to accept flows from portions of: Swatara, Lower Paxton, and South Hanover Townships, and Hummelstown Borough. A recent upgrade to the facility was placed into operation September 2012 and included a new biological nutrient removal treatment process, expansion of peak flow capacity, and new solids handling facilities. A primary objective of the upgrade project was to provide a new biological treatment process that would utilize existing treatment tanks and other existing infrastructure to minimize construction costs.

Project components include new raw sewage pumps, a new headworks building (including screening, grit removal, and odor control), a VertiCel biological nutrient removal system (with anaerobic and anoxic reactors for biological removal of both phosphorus and nitrogen), secondary clarifiers, sludge pumping facilities, gravity sludge thickener, aerated sludge holding tanks, centrifuge, biosolids drying facilities, and a plant-wide electrical upgrade including emergency generator. The design also incorporated a process control system (SmartBNR), plant-wide SCADA system, and two operational modes for handling storm flows into the plant. The final construction costs for the project was \$24,585,480. The costs for the BNR upgrade, increase in peak flow capacity and other general plant improvements was effectively \$3.90 per gallon.

VENDOR TABLES ARE STILL AVAILABLE. PLEASE CONTACT DAVE SEIBERT AT 717.566.3237 X 330.



DIRECTIONS TO SWATARA TOWNSHIP AUTHORITY WWTP:

FROM EAST:

1. Take US 422 West toward Hershey.
2. Continue on US 422 thru Hershey. US 422 West will turn into US 322 West.
3. Continue on US 322 West for 3.2 miles.
4. Turn right 0.4 miles after passing Kunkel Avenue.
5. Make a left on Hilton Street to the light.
6. Make a left onto US 322 East proceed 0.6 miles.
7. The Swatara Township Authority WWTF entrance will be on the right. (Across Rte 322 from Hoss's)

FROM WEST:

1. Take US 322 East toward Hershey.
2. The Swatara Township Authority WWTP will be on the right, 0.6 miles after the red light at Chambers Hill Road.

Detailed Directions from WWTF to Luncheon:

1. Turn right out of the plant onto US 322 East.
2. Follow US 322 East for 1 mile.
3. Take the Hummelstown/Middletown exit ramp.
4. Turn left onto Middletown Road.
5. Stay on Middletown Road until you reach the light at the square.
6. Turn right onto East Main Street for 0.3 miles.
7. The Hummelstown Volunteer Fire Company hall will be on the right hand side.

GPS Coordinates for Swatara Township Authority WWTP:

Latitude: 40 degrees 15 minutes 33 seconds
Longitude: 76 degrees 43 minutes 40 seconds

Local Address for MapQuest or other electronic mapping program:

Swatara Township Authority WWTF
8675 Paxton Street
Hummelstown, PA 17036

Hummelstown Volunteer Fire Hall
249 East Main Street
Hummelstown, PA 17036

SPECIAL NOTE: CPWQA MEMBERS MAY NOW RECEIVE 1 DEP APPROVED WASTEWATER CONTACT HOUR FOR ATTENDING CPWQA WWTP TOURS. IN ORDER TO EARN 1 CONTACT HOUR FOR A WWTP PLANT TOUR, YOU MUST DO THE FOLLOWING (NO EXCEPTIONS):

1. Register for the WWTP Tour AND the optional 1 Contact Hour using this form or online (REQUIRED). All meeting and contact hour registration forms must be received with payment by WEDNESDAY, MAY 1st.
(Contact Hour walk-in registrations CANNOT be accepted.)
2. Sign-in (REQUIRED) at the CPWQA contact hour attendance desk at the WWTP Site between 8:30 AM and 9:00 AM on the day of the Tour, and;
3. Pick up your Contact Hour Certificate at the luncheon location (REQUIRED) after 11:30 AM.

MAY 10, 2019

SWATARA TOWNSHIP AUTHORITY WWTF MEETING REGISTRATION FORM

CPWQA MEMBER: \$22

NON-MEMBER: \$45 (Includes 1 year CPWQA membership)

CHECK BOX & ADD \$5.00 PER PERSON FOR 1 WASTEWATER DEP [#8043] CONTACT HOUR

<u>NAME</u>	<u>DEP CLIENT ID NUMBER**</u>	<u>EMAIL ADDRESS**</u>
_____	<input type="checkbox"/> _____	_____
_____	<input type="checkbox"/> _____	_____
_____	<input type="checkbox"/> _____	_____
_____	<input type="checkbox"/> _____	_____
_____	<input type="checkbox"/> _____	_____
_____	<input type="checkbox"/> _____	_____

****INFORMATION REQUIRED FOR 1 CONTACT HOUR REGISTRATION**

PLEASE PRINT CLEARLY. USE ADDITIONAL SHEET IF NECESSARY

TOTAL AMOUNT ENCLOSED: \$ _____

MAKE CHECK PAYABLE TO: CPWQA

SEND CHECK & FORM TO: PO Box 705 ~ HERSHEY, PA 17033-0705

ALL REGISTRATIONS MUST BE RECEIVED BY MAY 1, 2019.

MEETING/LUNCH REGISTRATION AT THE DOOR: MEMBERS: \$27 NONMEMBERS: \$50

WALK-IN REGISTRATIONS FOR THE CONTACT HOUR CANNOT BE ACCEPTED