



DATE: *FRIDAY, APRIL 13, 2018*

LOCATION: *SOUTH MIDDLETON MUNICIPAL AUTHORITY WWTF*

SCHEDULE OF EVENTS

8:00 - 11:30 AM TOUR*: SOUTH MIDDLETON MUNICIPAL AUTHORITY WWTF
EXHIBITS: Vendors will be exhibiting their products and services.
THANKS TO: GHD, Inc.: [Donuts]
Keystone Pump & Power: [Coffee]
GHD, Inc.: [Mailing Sponsor]

11:30 - 11:45 AM REGISTRATION &
11:45 - 1:00 PM LUNCHEON: Citizens Fire Company #1
 405 Forge Road
 Boiling Springs, PA 17007

1:00 - 1:30 PM PRESENTATION: SOUTH MIDDLETON MUNICIPAL AUTHORITY WWTF,
 Past, Present and Future
SPEAKERS: Howard G Butler, P.E., GHD, 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.

SOUTH MIDDLETON MUNICIPAL AUTHORITY WWTF SNAPSHOT

The South Middleton Township Municipal Authority (SMTMA) WWTP provides sewer service for portions of South Middleton and Monroe Townships in Cumberland County, including the village of Boiling Springs. The original treatment works was constructed in 1977. The capacity was expanded and equipment updated in 1991 and the most recent upgrade was completed in 2016. The facility serves 3,268 residential, commercial, and industrial users. The most recent upgrade, to bring the plant into compliance with the Chesapeake Bay regulations, involved:

- Construction of a new influent pump station, with coarse screening, fine screening, and vortex grit removal
- Modification of existing units to Integrated Fixed-film Activated Sludge (IFAS), including anoxic and oxic zones
- Construction of new circular clarifiers
- A new filter building with UV disinfection
- New aerobic digesters
- New solids handling facilities, with provisions for thickening, dewatering, sludge storage and liquid hauling
- New operations and lab facilities with a garage and workshop overhaul

The plant is permitted for 1.5 MGD, and currently operates at an average of 0.71 MGD. The IFAS media is contained within the treatment units using a combination of cylindrical and flat plate screens with redundant level controls and air scour for cleaning. The IFAS upgrade was intended to allow the facility to meet future Enhanced Nutrient Removal levels. The target goal of 3.0 mg/L TN has been demonstrated possible through the addition of a supplemental carbon source (Micro-C). The solids processing facilities were intended to provide flexibility for the plant, and incorporate mechanical thickening, reed beds, liquid sludge loading, and centrifuge dewatering. The plant handles on average 12,000 gpd of waste sludge.

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



DIRECTIONS TO SOUTH MIDDLETON MUNICIPAL AUTHORITY WWTF:

From Carlisle (Total of 5.5 miles) - From I-81, Exit 48, Rt 74 (York Road) turn right onto Forge Road and proceed 3.4 miles to stop sign at the Boiling Springs Tavern. Proceed straight thru intersection (Front Street) to end of lake. At the end of the lake turn left across two humped-back bridges and railroad tracks; after RR tracks, take the first left (Leidigh Drive, ~0.6 miles). Proceed on Leidigh Drive (~1.5 miles) to Lear Lane. At Lear Lane turn left to Administrative Office and WWTP.

From Dillsburg (Total of 4.7 miles) - From Rte 15 in Dillsburg take Rte 74 North (~2.4 miles) to railroad crossing. After RR tracks turn left onto Creek Road, do not go over bridge. Proceed on Creek Road (~1.8 miles) to tee. Turn right at stop sign and go (~0.2 miles) to next tee. Turn left on Leidigh Drive (~0.3 miles) to Lear Lane. Turn right onto Lear Lane and proceed to Administrative Office and WWTP.

From Mechanicsburg (Total of 5.5 miles) - From the intersection of Rte 641 (Trindle Road) & Rt 174 (Boiling Springs Road) proceed on Rte 174 West (~3.4 miles) toward Churchtown; turn left onto Old Stone House Road (~0.8 miles) to next full intersection @ Rt 74 (York Road). Proceed across Rt 74 onto Old Stone House Road (~0.2 miles) to next intersection. Proceed straight thru intersection onto Leidigh Drive (~1.1 miles) to Lear Lane. At Lear Lane turn right to Administrative Office and WWTP.

DETAILED DIRECTIONS FROM WWTF TO LUNCHEON:

Leave plant site via Lear Lane. Turn right onto Leidigh Drive and proceed 1.5 miles to a tee intersection. Turn right, cross the railroad tracks, and two humped-back bridges to another tee intersection. Turn right and proceed to the far end of the lake to an intersection at the clock tower and Boiling Springs Tavern. Go straight through the intersection onto Forge Road and proceed approximately 1 mile. The fire house will be on your right at the intersection with Plaza Road

GPS Coordinates for South Middleton Township Municipal Authority WWTF:

Latitude: 40 degrees 8 minutes 51.28 seconds
Longitude: 77 degrees 5 minutes 43.56 seconds

Local Address for MapQuest or other electronic mapping program:

South Middleton Twp Municipal Authority WWTP
345 Lear Lane,
Boiling Springs, PA 17007

Citizens Fire company #1
405 Forge Road.
Boiling Springs, PA 17007

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

1. Register for the WWTP Tour AND the optional 1 CH using this form (REQUIRED). All meeting and contact hour registration forms must be received with payment by THURSDAY, April 5th.
(CH 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 CH certificate at the luncheon location (REQUIRED) after 11:30 AM.

APRIL 13, 2018

SOUTH MIDDLETON MUNICIPAL 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 [#7698] 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 APRIL 5, 2018.

MEETING/LUNCH REGISTRATION AT THE DOOR: MEMBERS: \$27 NONMEMBERS: \$50
WALK-IN REGISTRATIONS FOR THE CONTACT HOUR CANNOT BE ACCEPTED