



**DATE:** *APRIL 12, 2019*

**LOCATION:** *BOROUGH OF HANOVER WWTF*

### SCHEDULE OF EVENTS

**8:00 - 11:30 AM TOUR\*:** BOROUGH OF HANOVER WWTF  
**EXHIBITS:** Vendors will be exhibiting their products and services.  
**THANKS TO:** Gannett Fleming, Inc.: [Donuts]  
Keystone Pump & Power: [Coffee]

**11:30 - 11:45 AM REGISTRATION &**  
**11:45 - 1:00 PM LUNCHEON:** ELKS Club  
 47 North Forney Avenue  
 Hanover, PA 17331

**1:00 - 1:30 PM PRESENTATION:** BOROUGH OF HANOVER WWTF, Past, Present, and Future  
**SPEAKER:** Michael J Mehaffey, P.E., Vice President, Gannett Fleming

**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 & 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.**

### ***BOROUGH OF HANOVER AREA REGIONAL WWTF SNAPSHOT***

The Hanover Area Regional Wastewater Treatment Facility (HAR-WWTF) is owned and operated by the Borough of Hanover. The HAR-WWTF serves the Borough of Hanover, areas of Penn Township (York County), the Borough of McSherrystown, and areas of Conewago Township (Adams County). The HAR-WWTF also receives sanitary and process waste from the Hanover Municipal Water Treatment Plant. The HAR-WWTF has an annual average permitted hydraulic capacity of 5.60 million gallons per day (MGD), a maximum month permitted hydraulic capacity of 7.28 MGD, and a maximum monthly permitted organic loading capacity of 13,731 Lbs/Day of Biochemical Oxygen Demand (BOD<sub>5</sub>). The HAR-WWTF treated an annual average daily flow of 4.74 MGD between 2014 and 2018 and discharges treated effluent to the South Branch of the Conewago Creek and Plum Creek, from Outfalls 001 and 002 respectively, under NPDES Permit No. PA0026875.

The HAR-WWTF was most recently upgraded in 2010-2012 to comply with new Chesapeake Bay Tributary Strategy total nitrogen and total phosphorus annual mass load limits, as well as to address future increased flows and loads. The treatment processes include two (2) mechanical fine (3/8") screens, a vortex grit chamber, three (3) 65' diameter primary clarifiers, three (3) extended aeration oxidation ditches, ferrous sulfate addition for TP removal, four (4) 75' diameter final clarifiers, continuous backwash upflow denitrification filters, chlorine gas disinfection, and sulfur dioxide dechlorination. The oxidation ditches are designed to operate either in intermittent aeration operation or in simultaneous nitrification/denitrification mode for nitrogen removal.

Primary and dissolved air flotation thickened waste activated sludges are pumped to a 2-stage, high rate, mesophilic anaerobic digestion process. Stabilized biosolids are pumped from the secondary anaerobic digester to Alfa Laval centrifuges for dewatering. The stabilized Class B biosolids are used through a self-managed land application program on PADEP permitted fields.

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



### **DIRECTIONS TO BOROUGH OF HANOVER AREA REGIONAL WWTF:**

#### **TRAVELING FROM THE HARRISBURG AREA TO THE HANOVER WWTF**

- Take US-15 South
- Take the PA-94 exit toward Hanover/York Springs, keep left on the ramp to Hanover
- Turn left onto Carlisle Pike PA-94 for 11 miles
- Turn right onto Red Top Road
- Turn left onto Mount Misery Road
- Take a slight left onto Black Lane which becomes Edgegrove Road.
- Turn right onto Church Street.
- Turn right onto Oak Lane.
- Take the first right onto O'Brien Lane

#### **DETAILED DIRECTIONS FROM WWTF TO LUNCHEON:**

- Head Northeast on O'Brien Lane to Church Street.
- Turn right onto Church Street. Church Street becomes North 2<sup>nd</sup> Street.
- Turn left onto Main Street.
- Take the 3<sup>rd</sup> right onto South 5<sup>th</sup> Street. South 5<sup>th</sup> Street becomes North Blettener Avenue
- Turn left onto Poplar Street.
- Turn right onto North Forney Avenue

#### **GPS Coordinates for the Hanover Area Regional WWTF:**

Latitude: 39.8047779

Longitude: 77.0306609

#### **Local Address for MapQuest or other electronic mapping program:**

Borough of Hanover Area Regional WWTF  
300 O'Brien lane,  
Hanover, PA 17331

Elks Club  
47 North Forney Avenue,  
Hanover, PA 17331

**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 3<sup>rd</sup>.  
**(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 12, 2019**  
**BOROUGH OF HANOVER 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 [#8042] 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 3, 2019.**

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

WALK-IN REGISTRATIONS FOR THE CONTACT HOUR CANNOT BE ACCEPTED