



CPWQA

Central Pennsylvania Water Quality Association

2024 ANNUAL TRADE FAIR AND WWTP TOUR ANNOUNCEMENT

Dear CPWQA Members and Guests:

The CPWQA Board of Directors and Trade Fair Committee are pleased to announce that the Trade Fair will be held on **Friday, September 13, 2024** at the **Borough of Mechanicsburg Wastewater Treatment Plant, 842 West Church Road Mechanicsburg, PA 17055**. This year's Trade Fair will include a tour of the Borough of Mechanicsburg's Wastewater Treatment Plant.

CPWQA By-Laws state that the objective of the association shall be the advancement of the knowledge of design, construction, operation, and management of municipal and industrial wastewater treatment facilities and the encouragement, through meetings of the members and otherwise, for the exchange of information and experience. The Trade Fair supports this objective by assembling representatives of manufacturers, consulting engineers, and service providers with the specific intent of sharing their knowledge, insight, and experience with you. For the sixth consecutive year, CPWQA has been approved by DEP to award one (1) contact hour to those who register in advance and attend the WWTP Tour.

The Borough of Mechanicsburg owns and operates an advanced Wastewater Treatment Plant (WWTP) serving approximately 13,220 customers within Mechanicsburg Borough and portions of Monroe Township, Silver Spring Township, Hampden Township and Upper Allen Township. The Borough's WWTP has an Annual Average Design Flow of 2.08 million gallons per day (MGD), Hydraulic Design Capacity of 3.328 MGD, and an Organic Design Capacity of 4,694 lbs. BOD₅/day. The WWTP is located in Mechanicsburg Borough and treated effluent discharges into the Conodoguinet Creek.

The Borough continues to modify and upgrade the WWTP to maintain compliance with changing regulations and provide a cost-effective public service that enhances the quality of life of the community. In 2012, the Borough completed an upgrade to the WWTP to achieve nutrient removal requirements established as part of Chesapeake Bay TMDL regulations. This included converting existing secondary clarifiers into anoxic reactors, constructing new aeration tanks and final clarifiers, and installing denitrification filters. In 2019, the Borough completed an upgrade to their solids handling systems replacing aged belt presses with a new volute dewatering press. Recent projects include improvements to the WWTP primary treatment processes to install new mechanical screening and grit removal equipment.

The Borough, in conjunction with Silver Springs Township, operates a composting facility at the WWTP that processes 100% of the biosolids generated at the WWTP. The Class A biosolids generated at the composting facility are used by residents. The joint compost facility creates a valuable, high-quality product beneficial for the community, marking it as an exemplary model for sustainable waste management practices. In 2024, the Borough was recognized with a PWEA Beneficial Use of Biosolids Award for their joint composting facility.



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The schedule for this year's event includes the following:

SCHEDULE OF EVENTS

8:00 – 9:00 AM	BREAKFAST:	A buffet style breakfast will be served on-site adjacent to the exhibitors.
	THANKS TO:	HRG for the donation for the buffet breakfast.
8:00 – 2:30 PM	TOUR*:	Borough of Mechanicsburg Wastewater Treatment Plant.
	EXHIBITS:	Vendors will be exhibiting their products and services.
11:45 – 1:00 PM	LUNCHEON:	A buffet style lunch will be served on-site adjacent to the exhibitors.
	THANKS TO:	Eurofins Environment Testing for the donation to the buffet lunch.
1:00 – 1:30 PM	PRESENTATION: SPEAKER:	Mechanicsburg Borough Past, Present, and Future Curtis E. Huey, Plant Superintendent.
1:30 – 2:30 PM	CPWQA:	Business meeting and door prize drawing Two (2) \$200 gift cards will be drawn at 2:30 PM along with other great door prizes!



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***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 WWTP TOUR WILL RECEIVE A CERTIFICATE FOR 1 PDH.

DIRECTIONS

Local Address for MapQuest or other electronic mapping program:

Borough of Mechanicsburg
Wastewater Treatment Plant
842 west Church Rd,
Mechanicsburg, PA 17055