

NESOWEA MEETING

Thursday, May 24, 2012

Orrville WWTP, WTP and Smith Dairy PTP Tours, Technical Sessions and Business Meeting

Tour #1 – Orrville Wastewater Treatment Plant (1.0 hour): The WWTP treats an average of 2.1 MGD utilizing Primary Treatment, Trickling Filters, two Stages of Activated Sludge and Tertiary Filtration. A significant portion of the WWTP effluent is reused at Orrville’s Power Plant for cooling water makeup. Solids are treated in Anaerobic Digesters, gravity thickened and land applied by a private contractor.

Tour #2 – Orrville Water Treatment Plant (0.5 hour): The WTP is designed to treat up to 3.7 MGD and is a lime softening facility. Calcium and magnesium hardness is removed from the well water supply by reacting with a lime slurry in the solids contact clarifiers. Aluminum sulfate is used as a coagulant to insure settleability. Prior to filtering, carbon dioxide is injected to neutralize excess lime and caustic alkalinity to provide a non-encrusting water. The filtered water is fluoridated and chlorinated before being pumped to Orrville’s customers.

Tour #3 – Smith Dairy Pretreatment Plant (0.5 hour): The Smith Dairy PTP is wholly-owned and operated by Smith Dairy Products Co. The facility treats industrial waste from Smith Dairy’s production facility and leases capacity to Buckeye Dehydrators. Smith Dairy processes about one million lbs of milk a day into bottled milk, ice cream, cottage cheese and other dairy products. Buckeye Dehydrators is a processor of feed for the veal calf industry. The pretreatment plant handles approximately 100,000 gpd of industrial wastewater with a typical COD of 7500 mg/l. Wastewater entering the plant is equalized, then treated biologically with anaerobic and aerobic treatment. Following clarification, the treated waste stream enters the Orrville sanitary sewer system. Sludge at the plant is aerobically digested and land applied by a local hauling firm. The plant has been in operation for 24 years.

SCHEDULE OF EVENTS

7:00 – 11:00am REGISTRATION & REFRESHMENTS – ORRVILLE WWTP

8:00 – 11:30am TOURS OF ORRVILLE WWTP, WTP & SMITH DAIRY PRETREATMENT PLANT*

** Attention: Please drive to the WWTP – Attendees will be shuttled from the WWTP to the WTP, Smith Dairy Facility and back. Tours will take place concurrently.*

12:00 – 1:45pm LUNCHEON, BUSINESS MEETING & ELECTIONS – THE PINES GOLF CLUB

1:45 – 3:45pm TECHNICAL SESSIONS (15 min Break Included)

Orrville WWTP Past and Present – Bob Auten

Columbus CSO Regulator Sluice Gate Modification Project-Lessons Learned – William Landshof

Columbus’ Asset Management Program Achieving Tangible Returns on Investment – Kevin Campanella

3:45 – 4:00pm PRIZES, AWARDS & CLOSING ANNOUNCEMENTS

COST: MEMBERS \$25/person
NON-MEMBERS \$40/person (includes 1-yr Section membership)

LOCATIONS: Orrville WWTP, 1530 North Main Street, Orrville, OH 44667
(See Map on back) The Pines Golf Club, 1319 N. Millborne Road, Orrville, OH 44667

This program has been submitted to OEPA for 3.75 hours of continuing education credit for wastewater certification. To receive proper credit, attendees must attend all three tours and all technical sessions.

REGISTRATION INFO

Registration Deadline: Thursday, May 17, 2012 (or as max limit of 180 people is reached)

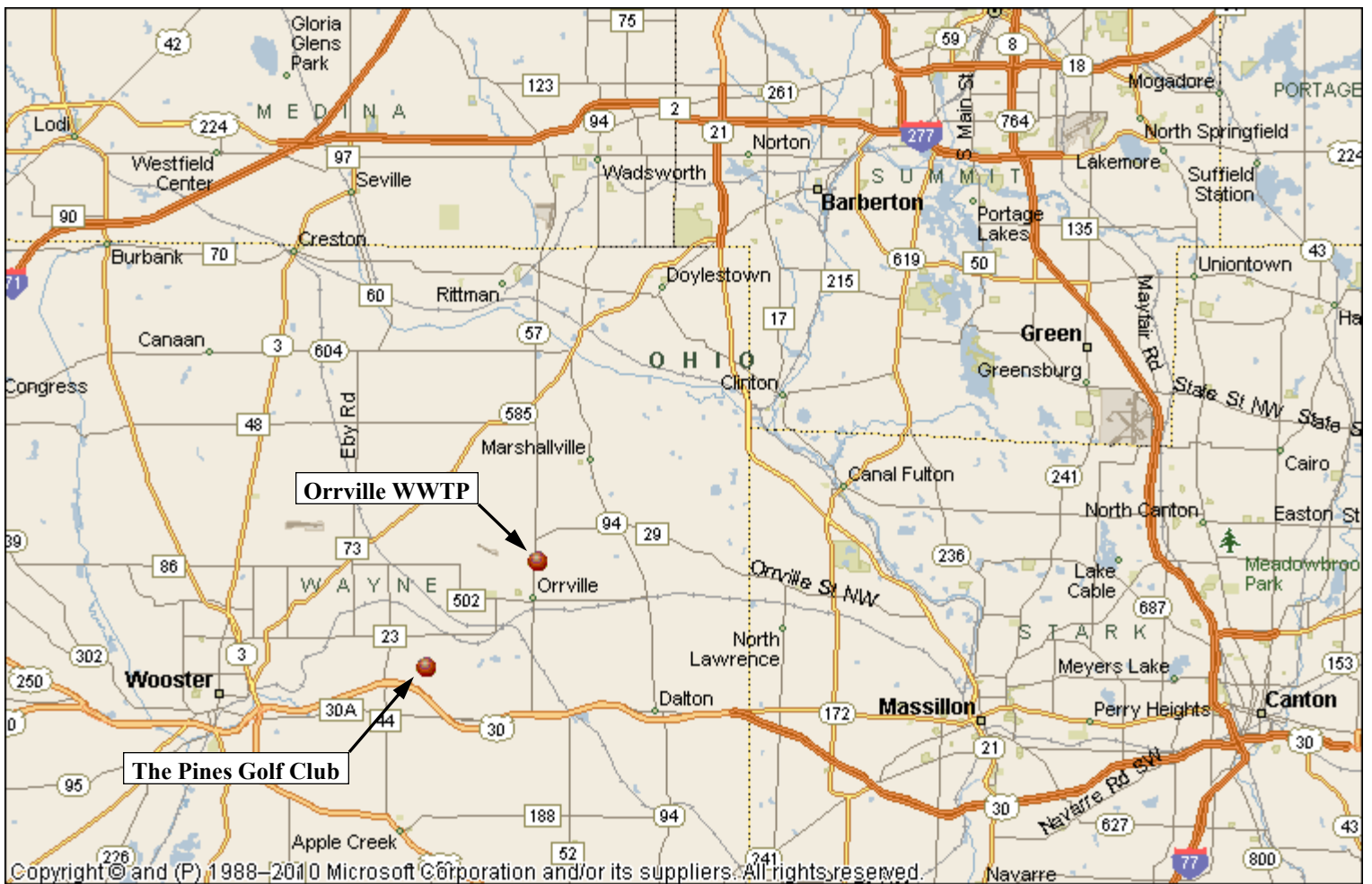
Please log onto either ohiowea.org or nesowea.org and click on the registration link for the upcoming/featured event and enter your information to register.

Cancellations must be received 3 days prior to meeting in order not to be charged for meeting.

\$25/Member

\$40/Non-Member

(Payable at door by cash, check or money order, no purchase orders or credit cards accepted.)



To Orrville WWTP: From US-30, exit onto Wadsworth Rd (SR-57) and travel north ~4.3 mi (note: road name changes to Main St); Entrance to WWTP will be on the RIGHT. Also look for NESOWEA meeting signs. All registration and parking will be at the WWTP and attendees will be shuttled from the WWTP to the WTP, Smith Dairy Facility and back.

To The Pines Golf Club: Exit the Orrville WWTP by turning LEFT onto Main St (SR-57). Travel south ~0.4 mi to Hostetler Rd. Turn RIGHT onto Hostetler Rd and travel west ~1 mi to Crownhill Rd. Turn LEFT onto Crownhill Rd and travel south then west ~3.9 mi (note: road name changes to Back Orrville Rd). Turn LEFT onto N. Millborne Rd and travel south ~0.8 mi to The Pines Golf Club driveway on your LEFT, follow drive to The Pines Golf Club.

