



WESTERN PENNSYLVANIA WATER POLLUTION CONTROL ASSOCIATION

Representing Counties of: Allegheny, Armstrong, Beaver, Butler, Clarion, Crawford, Erie, Fayette, Forest, Greene, Indiana, Jefferson, Lawrence, Mercer, Venango, Warren, Washington and Westmoreland

W.P.W.P.C.A. TRAINING NOTICE

TOPIC: **WORKSHOP 1: WASTEWATER PATHOGENS.**
WORKSHOP 2: WASTEWATER BACTERIA

INSTRUCTOR: Michael H. Gerardi, Wastewater Biologist
 Water Pollution Biology

DATE: Friday, May 7, 2010

SCHEDULE:

7:30 – 8:00	Registration
8:00 – 9:30	Wastewater Hazards; Pathogen Groups; Sources and Modes of Transmission; Location of Pathogens in Treatment Facilities; Pathogens of Risk; Survival of Pathogens in Wastewater
9:30 – 9:45	Break
9:45 – 11:00	Fate of Pathogens in Wastewater; Body's Defense Mechanisms; Immunizations; Rodent Control
11:00 – 12:00	Lunch
12:00 – 1:30	Roles of Bacteria in Treatment Facilities; Bacterial Growth Curve, Sludge Age, Sludge Production and Yield; Structural Features of Bacteria; Aerobic, Facultative Anaerobic and Anaerobic Bacteria; Nutrient Recycling Bacteria
1:30 – 1:45	Break
1:45 – 3:00	Archaea; Fermentative Bacteria; Floc Particle Formation; Indicator Organisms; Tetrads; Spirochetes; Bioaugmentation Cultures

LOCATION: Cranberry Township Municipal Building
 2525 Rochester Rd., Cranberry Township, PA 16066

REGISTRATION: **PRE-REGISTRATION BY MAIL ONLY TO RESERVE A SPOT**
Pre-registration deadline is April 30, 2010
Members: \$60.00 per person Non-members: \$85.00 per person

THESE WORKSHOPS ARE PADEP APPROVED FOR A TOTAL OF 6 WASTEWATER CONTACT HOURS. EACH PARTICIPANT WILL RECEIVE CERTIFICATE OF COMPLETION.

W.P.W.P.C.A. TRAINING REGISTRATION FORM

MAY 7, 2010

NAME: _____ **PHONE / EMAIL:** _____
ADDRESS: _____ **CLIENT ID #:** _____
_____ **AMT. ENCLOSED:\$** _____

Please return your registration for this training to:

Robert J. Bible
128 Trinity Drive
Aliquippa, PA 15001
Ph. (412) 922-5575; Fax (412) 922-3717

Make checks payable to WPWPCA (Western Pennsylvania Water Pollution Control Association)