

2010 Annual Training Forum and Technology
Exhibit Center Conference

TRAINING COURSE DESCRIPTIONS

MONDAY – April 19th
11:00 am – 12:00 pm

ROOM #	SUBJECT	COURSE #	FOR	P/NP	INSTRUCTOR	COMPANY
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1 - 5 COMMON-SENSE PRACTICES OF WELL RUN W/WW FACILITIES

CC# 4689-09-11, All Operators, (P), Mike Harrington, USA BlueBook

Course Description: The program looks at common misunderstood key elements to achieve a well run operation. Important measurement parameters along with operational practices will be discussed. Come join one of the premier process instructors who will broaden your knowledge base. **Note:** This is the first hour of a two-hour class. Second hour follows. **Credit will be only be given for attending both sessions.**

2 - AN ORGANIZATION'S CULTURE AND ITS EFFECTS ON CHANGE

CC# 4373-09-01, All Operators & Superintendents, (NP), Terry R. Matthews, Charles County Department of Utilities

Course Description: This engaging and interactive course invites participants to examine and identify their personnel leadership styles. Course participants, through the use of a variety of training methodology, will work through real-life leadership challenges and develop relevant solutions to these issues and produce positive results. **Note:** This is the first hour of a two-hour class. Second hour follows. **Credit will be only be given for attending both sessions.**

3 - OSHA REQUIRED TRAINING OVERVIEW

CC# Pending, All Operators & Superintendents, (NP), Ellie Summers, Frederick County - Division of Utilities and Solid Waste Management

Course Description: This session is used to give the participant an overview of required OSHA training. Initial and recurring training will be discussed along with training documentation requirement.

4 - DISINFECTION UTILIZING AN INNOVATIVE MICROWAVE "UV" SYSTEM

CC# 4375-09-01, All Operators and Superintendents, (P), Joel Neulight, Severn Trent Services

Course Description: Ultraviolet disinfection offers no residual byproducts, does not require disinfection before discharge to the nearby receiving stream, does not offer additional regulatory requirements and does not require special handling or emergency response training. How about "UV" Microwave as a disinfection alternative? Joel will offer years of insight and experience into this presentation.

5 - WATER SAMPLING TECHNIQUES

CC# 296-87-11, All Water Operators, (NP), Al Richardson, MRWA

Course Description: MRWA will provide the MDE Water Sampling class for those seeking recertification and for those individuals requesting their initial certification. **Note:** This is the first session of three for the day. **All three session are required.**

MONDAY – April 19th
2:15 pm – 3:15 pm

ROOM #	SUBJECT	COURSE #	FOR	P/NP	INSTRUCTOR	COMPANY
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1 - 5 COMMON-SENSE PRACTICES OF WELL RUN W/WW FACILITIES

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Course Description: The program looks at common misunderstood key elements to achieve a well run operation. Important measurement parameters along with operational practices will be discussed. Come join one of the premier process instructor's who will broaden your knowledge base. **Note:** This is the second hour of a two-hour class. The first hour preceded. **Credit will be only be given for attending both sessions.**

2 - AN ORGANIZATION'S CULTURE AND ITS EFFECTS ON CHANGE

CC# 4373-09-01, All Operators & Superintendents, (NP), Terry R. Matthews, Charles County Department of Utilities

Course Description: This engaging and interactive course invites participants to examine and indentify their personnel leadership styles. Course participants, through the use of a variety of training methodology, will work through real-life leadership challenges and develop relevant solutions to these issues and produce positive results. Come join Terry, as he is renowned leadership trainer/consultant. **Note:** This is the second hour of a two-hour class. The first hour preceded. **Credit will be only be given for attending both sessions.**

3 - ON-SITE HYPOCHLORITE SYSTEM DELIVERS RECORD EFFICIENCY LEVELS

CC# Pending, All Operators & Superintendents, (P), Joel Neulight, Severn Trent Services

Course Description: This presentation will provide an overview of the enhanced on-site sodium hypochlorite system design and its benefits to include the potential cost savings while reviewing the operational performance of the system in the full scale installation.

4 - COMPARING THE CARBON FOOTPRINT OF CONVENTIONAL GAS-FIRED THERMAL SLUDGE DRYING TO SOLAR SLUDGE DRYING

CC# 4716-09-12, All Operators, (P), Michael Hill, Parkson Co.

Course Description: An energy efficient sludge drying technology that has been popular for many years in Europe and has been growing in popularity in the United States is solar drying. See how energy and other costs can be reduced.

5 - WATER SAMPLING TECHNIQUES

CC# 296-87-11, All Water Operators, (NP), Al Richardson, MRWA

Course Description: MRWA will provide the MDE Water Sampling class for those seeking recertification and for those individuals requesting their initial certification. **Note:** This is the second session of three for the day. **All three sessions are required.**

MONDAY – April 19th
4:00 pm – 5:00 pm

ROOM #	SUBJECT	COURSE #	FOR	P/NP	INSTRUCTOR	COMPANY
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1 – PROCESS MONITORING IN WATER TREATMENT

CC#4344-08-10, All Water Operators, (P), Robert Geary, HACH Company

Course Description: This one-hour presentation summarizes the unit operations used in conventional water treatment plants, and discusses the fundamentals of each operation including constituents removed. Process monitoring requirements to maintain effective control of plant operations are presented along with the alternative types of available equipment.

2 – DUAL PARALLEL UNDER-DRAIN FILTERS

CC# Pending, All Operators & Superintendents, (NP), Ken Wineberg, Severn Trent Services
Course Description: The presentation will focus on the filter under-drain, which is a critical component contributing to the overall performance and operation of the system. The class will highlight the features and benefits of using dual parallel under-drain filters in potable water applications.

3 - SAVE AT THE PUMP – THE ROLE OF AIR VALVES IN PIPELINE PROTECTION AND ENERGY SAVINGS FOR BOTH W/WW PRESSURE PIPE DISTRIBUTION AND COLLECTION SYSTEMS

CC# Pending, All Operators & Superintendents, (NP), Naftali Zloczower & Chuck Rockacy
Course Description: This class will illustrate the surge effects of air trapped in aging pipes and health concerns associated with negative pipeline pressure. The presentation allows individuals to stay current with infrastructure design education and developments.

4 - ADVANTAGES OF UTILIZING FLAT PLATE MBR SYSTEMS FOR BNR AND ENR WASTEWATER SYSTEMS

CC# Pending, All W/W Operators, (P), James L. Filson, TC Tech Llc
Course description: The speaker will discuss the advantages of the flat plate membrane design within a Membrane Bio-Reactor to treat wastewater to meet both ENR and BNR effluent limits. Case studies will be presented.

5 - WATER SAMPLING TECHNIQUES

CC# 296-87-11, All Water Operators, (NP), Al Richardson, MRWA
Course Description: MDE will provide the water sampling class for those seeking recertification and for those individuals requesting their initial certification. **Note:** This is the third session of three for the day. **All three sessions are required and a test will be given after this session.**

TUESDAY – April 20th
9:00 am – 10:00 am

ROOM #	SUBJECT	COURSE #	FOR	P/NP	INSTRUCTOR	COMPANY
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1 - CHLORINATION DISINFECTION SCIENCE FOR W/WW OPERATIONS

CC# 4691-09-11, All Operators, (P) Mike Harrington, USA BlueBook
Course Description: This two hour presentation looks at the dosing technology for the three basic forms of chlorine disinfection. A review of the pros and cons of each system will occur. Costs and other criteria will be examined. Note: This is the first hour of a two-hour class. Second hour follows. Credit will be only be given for attending both sessions.

2 - RATE SETTING AND COST RECOVERY

CC# 3190-04-11, All Superintendents, (NP), Jean Holloway, DRWA
Course Description: Join Jean as she discusses Water and Wastewater rates and costs associated with running a successful system. This is a subject area that everyone tries to avoid.

3 - OSHA REQUIRED TRAINING OVERVIEW

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4 - DISINFECTION UTILIZING AN INNOVATIVE MICROWAVE “UV” SYSTEM

CC# 4375-09-01, All Operators and Superintendents, (P), Joel Neulight, Severn Trent Services

Course Description: Ultraviolet disinfection offers no residual byproducts, does not require disinfection before discharge to the nearby receiving stream, does not offer additional regulatory requirements and does not require special handling or emergency response training. How about UV microwave as a disinfection alternative? Joel will offer years of insight and experience into this presentation.

5 - FIRE HYDRANT OPERATION AND MAINTENANCE

CC# Pending, All Operators, (NP), Michael Burkardt, Kennedy Valve

Course Description: This seminar will familiarize one with the proper operation and maintenance of fire hydrants. Components, equipment and operation will be examined.

**TUESDAY – April 20th
10:15 am – 11:15 am**

ROOM #	SUBJECT	COURSE #	FOR	P/NP	INSTRUCTOR	COMPANY
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1 - CHLORINATION DISINFECTION SCIENCE FOR W/WW OPERATIONS

CC# 4691-09-11, All Operators, (P) Mike Harrington, USA BlueBook

Course Description: This two-hour presentation looks at the dosing technology for the three basic forms of chlorine disinfection. A review of the pros and cons of each system will occur. Costs and other criteria will be examined. *Note:* This is the second hour of a two-hour class. First hour preceded.

Credit will be only be given for attending both sessions.

2 - ANALYSIS AND CONTROL OF THE COAGULATION PROCESS

CC# 4345-08-10, All Operators, (P), Bob Geary, HACH Company.

Course Description: This class will provide the participant with an understanding of the process of analyzing and controlling the coagulation process. It addresses the technical background and discusses the available compliance and monitoring alternatives.

3 - COMPARING THE CARBON FOOTPRINT OF CONVENTIONAL GAS-FIRED THERMAL SLUDGE DRYING TO SOLAR SLUDGE DRYING

CC# 4716-09-12, All Operators, (P), Michael Hill, Parkson Co.

Course Description: An energy efficient sludge drying technology that has been popular for many years in Europe and has been growing in popularity in the United States is solar drying. See how energy and other costs can be reduced.

4 - USE OF MICROFILTRATION SYSTEMS TO TREAT BIOLOGICALLY CONTAMINATED SURFACE WATER AND GUI

CC# Pending, All Operators, (NP), Thomas J. Carmody, TC Tech Llc

Course Description: The speaker will discuss the use of hollow fiber microfiltration systems for surface water and ground water under the influence. Case studies will be presented.

5 - HOW ARRA FUNDING OPPORTUNITIES CAN ASSIST LOCAL GOVERNMENTS DURING THESE TROUBLED WATER TIMES

CC# Pending, All Superintendents, (NP), Joe Mangini & David Newcomer, MRWA

Course Description: This course will review the various options available to Maryland’s rural towns and Communities through the USDA ARRA funding program. To be discussed will be the following; how to apply and achieve financial loans/grants, what is required for a successful application, and what reports must be filed during the process.