

MPUA Spring Tech Days

FOCUS ON WASTEWATER & ELECTRIC GROUNDING

(full course descriptions on reverse)

TWO LOCATIONS TO CHOOSE FROM!

MDNR RENEWAL CERTIFICATION HOURS

DRINKING WATER & DISTRIBUTION - 1 HOUR EACH AND WASTEWATER - 5 HOURS

COURSE NUMBERS: CUBA—1004431 MARCELINE—1002432

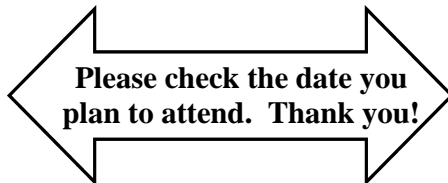
Cuba, MO — April 22, 2010 \$25 per person (MPUA Member)

Marceline, MO — April 29, 2010 \$50 per person (Non-Member)

9:00 am — 3:00 pm

Lunch included

Cuba, MO
April 22, 2010



Marceline, MO
April 29, 2010

Registration Deadline: April 16, 2010

Contact _____

Municipal _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

Email _____

please print (required to send directions & other information)

Name

Title

1. _____

2. _____

3. _____

NOTE: Cancellations received after April 20 (Cuba) & April 27 (Marceline) and no shows will still be responsible for the registration fee.

Send registration & payment to:
**MPUA, 1808 I-70 Drive SW,
Columbia MO 65203**



Phone: 573-445-3279 ** Fax: 573-445-0680 ** Email: cgebert@mpua.org



WASTEWATER SESSIONS

Sanitary Sewer Overflow Response Plans – A How to Guide.

A Sanitary Sewer Overflow Response Plans (SSORP) is one component of a municipality's Operations & Maintenance Plan. O&M Plans are now being specified in municipal NPDES Permits. SSORPs are used to respond to sanitary sewer overflows at collection system manholes and at wastewater treatment plant bypasses. This presentation will address the key elements needed in a SSORP and provide examples of SSORPs.

Sewer Cleaning and Video Inspection – “We Cleaned and Videoed....Now What?”

Many municipalities are starting to clean and video-inspect their wastewater collection systems. Once this has been completed, municipalities are puzzled about the next steps...what to do with the video information. This presentation will show the audience how cleaning and

video-inspection can be used to: satisfy the regulators; prepare Capital Improvement Plans; and perform better operations and maintenance.

Geographic Information Systems – How GIS Makes Municipal Life Easier.

Municipal governments are struggling with their maps. Many older maps do not give the City accurate locations of their wastewater assets. None of the paper-based maps can list an asset's condition. Geographic Information Systems (GIS) is the modern approach to determine a more accurate asset location; complete an asset inventory; and house key operational data about asset condition. Our presentation will illustrate a small community's approach to GIS and show how it improved municipal operations.

Smoke Testing – Is it an Effective Tool for Inflow & Infiltration Reduction.

Current NPDES Permits state that municipal utilities must reduce inflow & infiltration (I/I). How do you do

that? While there are proven methods, is smoke testing one of them? This presentation will show examples of cities that completed smoke testing and what it took to complete a good smoke survey. Questions that will be answered include: How much does it cost to smoke the system? What are the best conditions to begin? How much collections piping can I survey? This session is intended for “people with boots on the ground”.

NPDES Permitting 101 – What Does Your Permit Say.

NPDES Permits aren't what the used to be. In the old days, a permit was three pages and listed the effluent water quality parameters. Now, a permit can be over 20 pages with all kinds of technical jargon. This presentation will use actual permits from the assembled audience to show key regulatory changes and trends. It will cover the basics and describe some of the more complex permitting issues facing municipal wastewater treatment facilities.

GROUNDING SESSIONS

Line and Truck Grounding for Today's Lineman.

This course will take a serious look at the safety an individual can guarantee by the proper use and care of grounding equipment. You will see first-hand how grounding can divert an electrical force away from you and back to the ground. Accidents will be covered in this presentation to show the impact that not grounding properly can have upon an individual. Other topics to be covered: OSHA standards on grounding; single point grounding; equipotential grounding; truck and equipment grounding; substation grounding; care and maintenance suggestions for grounding equipment;



outsourcing the handling of care and testing of grounds vs. in-house care.

Tool Safety: Rubber Goods, Fiberglass Equipment, and Grounds and Jumpers

The highly specialized insulated tools and equipment linemen use are an important component of safety. But these tools, often made of rubber and fiberglass, for their insulating properties, require special care and attention in order to remain in safe, working order. In many instances ASTM Standards and OSHA require inspection and testing. Learn how tools can become compromised and what you can do to minimize risk to yourself and your team by using the industries best practices of tool maintenance for rubber testing, temporary grounds and jumpers, and fiberglass insulating tools.