

Calendar of Events

August 1, 2024

Basic Math

08:00 AM - 12:00 PM MST

Tim Plata, 7195659618

tplata@crwa.net

This 4-hour math class that is applicable to both the water and wastewater industry. A practical look into the tool that can solve challenges in your Systems. Learn the basic tools in the toolbox that is called math.

These tools can solve most of all the math challenges that you will experience in the treatment plant and the distribution or collection systems.

Max TUs

0.4

Water Treatment

0.4

Wastewater Treatment

0.4

Industrial Wastewater Treatment

0.4

Water Distribution

0.4

Wastewater Collection

0.4

August 8, 2024

Advance Math

08:00 AM - 12:00 PM MST

Tim Plata, 7195659618

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This is a 4 hour advanced math class that is applicable to both the water and wastewater industry. A deeper look into the tools that can solve challenges in your treatment plants.

Max TUs

0.4

Water Treatment

0.4

Wastewater Treatment

0.4

Industrial Wastewater Treatment

0.4

Water Distribution

0.4

Wastewater Collection

0.4

August 13, 2024
- August 15, 2024

3-Day Water Treatment
Santa Rita Water Reclamation Facility
Santa Rita Water Reclamation Facility 105 Camino del Rio
Durango, Co 81301
08:00 AM - 05:00 PM MST
Tim Plata, 7195659618
tplata@crwa.net

Price:

Members :13TH (\$100) / 14TH-15TH (\$200)

Non-Members 13TH (\$175) / 14TH-15TH (\$275)

*Course Topics: 13th - One-Day training on Pressure Reducing & Control Valves: Sizing the valves correctly, proper installation, as well as operation and maintenance will be discussed. Attendees will have the opportunity to ask questions regarding the operation of valves with their system. A portion of this training will include hands-on participation. Clay Valve (Training Instructors - John Tedder Pipestone & Chuck Goins CRWA) * Water Treatment Exam Prep (Training Instructor - USABlueBook)*

Maximum TUs

0.7

Water treatment

0.7

Wastewater treatment

0.7

Industrial wastewater treatment

0.7

Water distribution

0.7

Wastewater Collection

0.7

Course Topics: 14th - 15th Two-Day training on Water Treatment Certification Review - USABlueBook) This class is a 2 Day course which leads students through a wide range of topics pertinent to preparation for Water Treatment Certification Exam. The curriculum includes PowerPoint Presentations, which include Water Math, Basic Microbiology and Chemistry, Regulations related to Surface water treatment rules, Water Treatment Operations different types of filtration systems, Sampling, Laboratory Processes, Disinfection and Safety practices.

Registration will close on August 7 or when registration fills up. Training must be paid in full prior to attending the class. Food & beverages will be provided for each workshop.

Training Units Approved: Coming Soon!

Max TUs

1.4

Water Treatment

1.3

Wastewater Treatment

1.1

Industrial Wastewater Treatment

1.15

Water Distribution

0.6

Wastewater Collection

0.35

August 22, 2024

Emerging Technology Workshop
Colorado Rural Water Association
176 W Palmer Lake Dr
Pueblo West, Co 81007
08:00 AM - 05:00 PM MST
Tim Plata, 7195659618
tplata@crwa.net

CRWA Emerging Technology Program (ETP) Workshop is being scheduled to provide easy access to 'Emerging Technology' (or 'New to You Technology') for CRWA members to enable energenergy-efficient movements to water/wastewater systems. Improvements may include more efficient equipment, operations, and software for control/operation of equipment.

Technology Demonstrations: Asset Management/AMS, Computerized Maintenance Management System/CMMS, Global Mapping System/GMS, OPS optimization/ EPAnet Hydraulic Model, Advanced SCADA/applications, Solar Array System, and Variable Frequency Drives/VFDs

Earned TUs: Max 0.7 W0.5, WW0.5 I 0.5, D 0.5, C0.5

For Members Only

September 5, 2024

Collection Systems: Operations and Flow

08:00 AM - 10:30 AM MST

Tim Plata, 7195659618

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This course is designed to give operators the ability to calculate velocity of flow in a sewer main, be able to explain the difference between gravity and low-pressure systems. Operators will also learn the two types of collection systems and be able to list and explain three types of flows and Define infiltration and inflow and explain how to determine their sources.

Max TUs

0.25

Water Treatment

0

Wastewater Treatment

0

Industrial Wastewater Treatment

0

Water Distribution

0

Wastewater Collection

0.25

September 19, 2024

Hydrogeology

08:00 AM - 10:00 AM MST

Tim Plata, 7195659618

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Gain a better understanding of water wells and aquifers, and learn techniques for protecting underground sources of drinking water. This course includes discussion on the interconnection of groundwater and surface water, sources of contamination, and options for management.

Basic look into hydrogeology for the operator to better understand water wells and aquifers. Along with how ground water and surface waters are connected.

Max TUs

0.2

Water Treatment

0.15

Wastewater Treatment

0.1

Industrial Wastewater Treatment

0.15

Water Distribution

0.15

Wastewater Collection

0

Sustainable Management Tools

08:00 AM - 11:45 AM MST

Tim Plata, 7195659618

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This interactive workshop will focus on ten key management areas of effectively managed utilities, which make up a framework for a complete and well-rounded management approach. By making operational improvements in any of these areas, your utility will be able to deliver increasingly efficient, higher-quality services to your community.

In this class, participants will conduct a guided self-assessment of your system and identify areas for improvement that are critical to success at your utility. This self-assessment will help you prioritize actions when resources are limited. You will also learn from other utilities that have faced similar challenges.

Max TUs

0.35

Flex

Water Treatment

0

Wastewater Treatment

0

Industrial Wastewater Treatment

0

Water Distribution

0

Wastewater Collection

0

October 3, 2024

Collection Systems - Pipe Inspections & Testing

08:00 AM - 10:00 AM MST

Tim Plata, 7195659618

tplata@crwa.net

Pipe Inspection and Testing

Vocabulary, various pipes used, manhole inspections

Max TUs

0.2

Water Treatment

0.05

Wastewater Treatment

0.05

Industrial Wastewater Treatment

0.05

Water Distribution

0.05

Wastewater Collection

0.2

October 10, 2024

Thickening & Anaerobic Digestion Basics

08:00 AM - 10:00 AM MST

Tim Plata, 7195659618

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Learn the warning signs of digesters upsets, why they occur, and what to watch for to avoid them.

A review of common equipment used for the thickening process and the advantages and disadvantages of each.

Max TUs

0.2

Water Treatment

0

Wastewater Treatment

0.2

Industrial Wastewater Treatment

0.2

Water Distribution

0

Wastewater Collection

0

October 17, 2024

CRWA Energy Efficiency Assessment Program

08:00 AM - 09:00 AM MST

Tim Plata, 7195659618

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Case studies; Energy efficiency tips; Review of energy efficiency process

Review of course objectives

Learning Expectations NRWA Energy Efficiency Program Goals of energy efficiency program benefits of energy efficiency program Energy efficiency technician - role and responsibility Energy efficiency assessment process • Equipment survey • Collect/analyze data • Energy efficiency assessment report Energy efficiency facts – water Energy efficiency facts – wastewater

Max TUs

0.1

Flex

Water Treatment

0

Wastewater Treatment

0

Industrial Wastewater Treatment

0

Water Distribution

0

Wastewater Collection

0

November 7, 2024

Water Distribution System Certification - Fundamentals

08:00 AM - 01:30 PM MST

Tim Plata, 7195659618

tplata@crwa.net

In this course, fundamental aspects of distribution systems are addressed, including:

- Operator Certifications*
- Distribution Network Components*
- Distribution Hydraulics*
- System Performance*
- Distribution Storage*
- Distribution Water Quality Issues*
- Disinfection in Distribution Systems*
- Monitoring Distribution Water Quality*
- Practices to Enhance Water Quality*

Each topic listed will be covered for 30 minutes.

CRWA provides this class both in person and via a live webinar format. No pre-recorded webinar content is used for training units.

Max TUs

0.55

Water Treatment

0.15

Wastewater Treatment

0.15

Industrial Wastewater Treatment

0.15

Water Distribution
0.15

Wastewater Collection
0.1

November 21, 2024

Collection Systems - Cleaning Operations

08:00 AM - 10:00 AM MST

Tim Plata, 7195659618

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Pipeline Cleaning and Maintenance - Vocabulary - Hydraulic, Mechanical and Chemical Cleaning Methods.

Pipeline Cleaning and Maintenance Methods

Max TUs
0.2

Water Treatment
0

Wastewater Treatment
0

Industrial Wastewater Treatment
0

Water Distribution
0

Wastewater Collection
0.2

December 5, 2024

History of Water Treatment Part 1

08:00 AM - 10:00 AM MST

Tim Plata, 7195659618

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This course addresses when technologies were first discovered and how those technologies are used today.

It also discusses whether those technologies can be applied to current treatment requirements.

Topics include heat, UV, coagulation and colloidal silver treatments.

Pipeline Cleaning and Maintenance Methods

Max TUs

0.2

Water Treatment

0

Wastewater Treatment

0

Industrial Wastewater Treatment

0

Water Distribution
0

Wastewater Collection
0.2

December 12, 2024

History of Water Treatment Part 2

08:00 AM - 10:00 AM MST

Tim Plata, 7195659618

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Explore early storage and distribution technologies and how they have led to today's systems. History is valuable. In this class we will address when technologies were first discovered and how those technologies are used today. We will also discuss if those technologies can be applied to current treatment requirements. A few topics to be covered are pipe types, corrosion control, valve types, and tank and storage issues.

We will also discuss if those technologies can be applied to current treatment requirements.

A few topics to be covered are pipe types, corrosion control, valve types, and tank and storage issue.

Pipeline Cleaning and Maintenance Methods

Max TUs
0.2

Water Treatment
0

Wastewater Treatment
0

Industrial Wastewater Treatment
0

Water Distribution
0

Wastewater Collection
0.2