



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Math for Operators and Reading Process & Instrumentation Documents

Presenter: James Cross Title: Sr. Controls Engineer / Vice President

Employer: QCC Quality Controls Corp Address: 5015 208th St SW

City: Lynnwood State: WA Zip: 98036 Phone: 425-778-8280

Summary of Lesson content: Basic math concepts and practice relevant to water and wastewater operators.

Understanding process and instrumentation diagrams, how to read, how to develop and the variety of uses they have.

Workshop will include practice in reading and developing P&IDs. See course description and schedule for details.

Professional Background: (Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.)
Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Practicing Control Systems Engineering - Routinely design and built/integrate control systems; P&ID drawings are a primary tool for both practices.

Education (High School, Upgrades, Colleges and Degrees): B.S. Mechanical Engineering; University of Washington

Professional Registration/Certification: E.I.T - Washington State

Related papers/instruction you have presented:

Title: Telemetry System Modernization Date: 5/9/17 & 5/6/2/18 Event: Washington Association of W&S Districts

Title: Pump Station O&M Best Practices Date: 10/16/18 Event: AWWA

Professional Organizations/Activities: AWWA Short School Date: 2018-current

WAWSD Fall Conference and Trade shows Date: 2017-current

Course sponsor: _____

Signature of Instructor: _____ Date: _____

DO NOT WRITE BELOW THIS LINE

Date Evaluated: _____ By: _____ Approved: Yes _____ No _____

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