



Passaic Valley Water Commission

SCADA ENGINEER

System Overview: The Passaic Valley Water Commission (PVWC) is one of the largest and oldest water agencies in the Northeast. They are a public drinking water supplier owned by the cities of Paterson, Clifton, and Passaic. Their 225 employees supply water to nearly 800,000 people with demand averaging approximately 80 million gallons per day to the municipalities of Paterson, Passaic, Clifton, Prospect Park, Lodi, and North Arlington, and 22 wholesale customers.

PVWC owns and operates the Alan C. Levine Little Falls Water Treatment Plant, which underwent an extensive upgrade in 2001 to use ozone technology for treatment. It was the largest drinking water treatment plant in the world employing this technology, and it remains a model for treatment operators from around the world to emulate. Their process is tuned for optimum treatment of the nature of their water supply to remove particulate matter, pathogenic bacteria, and organic contaminants.

PVWC has approximately 65,000 service connections. Their system also includes over 650 miles of mains ranging in size from 4 to 51 inches in diameter, 3,000 fire hydrants, a complete meter repair, and testing department, two maintenance yards and warehouses, and a corporate office. They operate three finished water reservoirs with a combined storage capacity of 250 MG, and they are evaluating adding an additional 75 MG. PVWC has removed more than 34,800 utility-owned lead service lines since the 1980s, and their Lead Service Line Replacement program offers replacement solutions for customer-owned service lines.

PVWC is dedicated to the communities it serves. They know how important it is to provide their customers with high-quality drinking water, reliability, and service. They have been serving the citizens of Northeast New Jersey since 1849 and will continue to in the years to come.

Opportunity:

The primary responsibility of the SCADA Engineer is to support PVWC's Water Treatment Plant and remote sites along with assisting on other projects by providing advisory, design, troubleshooting and implementation services for SCADA, PLCs, Operational Control Logic within PVWC's sites. The individual will play a key role in providing modifications to these systems via various initiatives through maintenance, expanding and enhancing SCADA system capabilities. The ideal candidate will have deep experience with a variety of SCADA, PLC, Historian and other automation systems and will have hands-on experience advising sites on SCADA needs and solutions. Installation and configuration of SCADA systems. Testing and commissioning SCADA systems. Analyzing and interpreting data from SCADA systems and creation of reports and charts to assist with decision making.

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The Pipeline

Experience Pays Off!
Kevin Ryan
PVWC added an internal aeration system to the High Crest Tanks to combat high levels of turbidness (a potential cancer-causing contaminant). It appeared to be working in every 6 months or so, but there was one problem - the valve to operate the system had to be shut off in the Fall and opened in the Spring. There was no way to relocate the valve to the exterior of the tank so PVWC had to pay a diver to come in, every 6 months to open or close the valve at a cost of over \$2,500.

That's when Ron Unstead put his years of experience to good use and devised a way to operate the valve externally. By rotating the valve, putting an extension arm on the operator, and using a welded bulkhead fitting that Ron learned about in the Navy, we are now able to close the valve from the outside of the tank with a simple quarter turn of a handle.

Thanks Ron for putting your experience and knowledge to work.

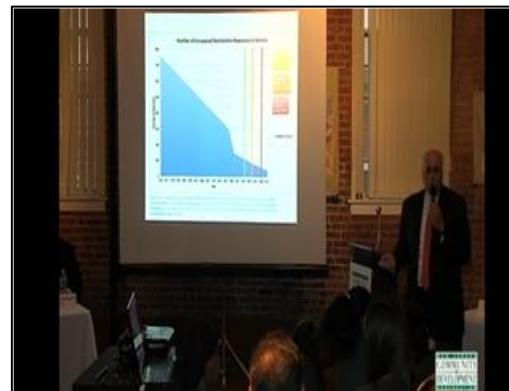
"Happiness is always leading on your feet, you just gotta let it in."

Have You Seen New Faces Around?
Starting with this issue, The Pipeline will be welcoming new employees! A big PVWC welcome goes out to Commissioner Russell Grady, Franklin Bautista and Lee Roy Jones. A special summer time welcome to our Student Assistants, Tahali Belon, Joseph Bennett, Yarnell Garcia, Mia Fernandez, Tiffany Gonzalez, Danielle Griffin, Lori Hart, Jacob Hasi, Sakai Jones, Brittany Labian, Patrick Lottick, Kaitlyn Luciano, Kirk Nubian, Michael Papa, Ryan Patterson, Paula Quenzada, Edward Reyes, Jamileth Sanchez, Matthew Stergelio, Kalia Tanczy and Ariel Williams. When you see them, be sure to introduce yourself and say HELLO!

SHOUT OUT TO
The Pub - Thank you for giving above and beyond with our delinquent accounts. Your extra efforts with our staff are increasing our cash flow. You are really appreciated. Kudos to you and your crew!
-Mike Hahn

SHARP Keeps Us Safe
OSHA's Occupational Safety and Health Administration (OSHA) is a federal agency that oversees workplace safety and health. PVWC's Safety and Health Department has been recognized by OSHA as a model for safety and health excellence. This is a great opportunity for all of us at PVWC to really move ourselves into a much more professional environment. Stay tuned for more updates as we get closer to go-live!

PVWC is on Facebook & Twitter!
facebook.com/thePVWC
twitter.com/PVWC
Don't forget to tell your family, friends and our customers about us!



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Click to find out if you have a lead service line bringing water into your home.

Passaic Valley Water Commission

New Jersey's Moratorium on Utility Shut Offs Ended on March 15th 2022

If you are delinquent in your water bill contact PVWC to avoid late penalties, final notice fees or interruption of service for non payment.



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Work with private and public agencies and utilities to represent PVWC's best interest and standards. Provide training and support to end-users and other stakeholders.

Education:

Degree in Electrical Engineering, Computer Engineering, Computer Science or related field strongly preferred. Certifications in the following concentrations strongly preferred; CSP, CCST, CAP as offered by ISA, PE as offered by NSPE, PMP as offered by PMI.



NOTE: Applicants who do not meet the above educational requirements may substitute additional experience as indicated below on a year-for-year basis with thirty (30) semester credit hours being equal to one (1) year of experience.


Experience:

Five (5) years for candidates with a BS degree (Ten (10) without a BS degree). Implementation and support experience within SCADA and/or DCS systems is required (Iconics Genesis 64 preferred). PLC programming, configuration and support experience is required. Thorough understanding of Plant Network Communication and OT CyberSecurity concepts is required. Experience in Water/Waste Water, BMS and Energy Monitoring is a plus.

Submit resume and cover letter to: careers@pvwc.com
Please include SCADA Engineer in the subject line.



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EMERGENCY NOTIFICATIONS

PVWC ALERTS!

View our current alerts and sign-up to receive emergency notifications via email, test message and/or voice message. It's free and you'll stay informed in the event of any water emergencies.



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