



Title: ASSOCIATE ENGINEER - CIVIL (PE Not Required)

Date Printed: 04/25/2019

Job Posted On: 04/13/2019

Posting Expiration Date: 04/19/2019

Work Location: San Jose, California,

Description

The position acts as the Water Quality Unit / Capital Liaison supporting water quality and capital projects at our Rinconada Water Treatment Plant (RWTP) as part of the Water Quality Process Engineering Program, and is one of four Water Quality Liaison Engineers that are assigned to our three Water Treatment Plants and the Silicon Valley Advanced Purification Center.

The position would provide engineering process support including careful review of submittals, drawings, and basis of design technical memoranda; participate in key stakeholder discussions; support process integration and start-up; identify and address potential regulatory compliance issues, lead water quality process engineering investigations and projects at the Water Treatment Plants; assist with source water protection programs; and other related assignments to ensure Valley Water meets federal and state standards. This position will work closely with Operations and Maintenance staff, especially the treatment plant supervisors and operations managers, and Engineering Capital staff. This position may functionally supervise Assistant Engineers.

Key Responsibilities include, but are not limited to:

- Water Quality/Capital liaison to our Rinconada Water Treatment Plant: providing process engineering support with respect to treatment process optimization, troubleshooting, water quality goals, research, and drinking water regulatory compliance.
- Provide water quality expertise to capital and maintenance projects by providing careful review of submittals, drawings, basis of design technical memoranda, and identifying and addressing potential regulatory compliance issues.
- Support process integration and start-up activities.
- Provide general water quality and customer support.

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- Manage multiple projects and assignments with differing priorities, maintain effective working relationships with other Valley Water units, agencies, and the public, and maintain organized and accurate documents and files.
 - Ensure adherence to professional engineering codes, standards, and Valley Water policies; develop scopes of work, budgets, schedules, project plans, and maintain project files.
 - Oversee negotiation and administration of consultant and professional service contracts and agreements and regulatory permits as needed in support of assigned projects.
 - Provide supervision to Assistant Engineers and temporary staff or student interns.

Required Skills

Ideal Candidate's background includes:

Applicants whose experience and background best match the ideal experience, knowledge, skills, abilities, and education are considered ideal candidates for the position. To determine the top candidates, each applicant will be assessed based on the ideal candidate criteria as listed below.

Ideal Experience:

- Field experience with a water utility with treatment plant work, commissioning and start-up activities, process troubleshooting and controls, optimization, and pilot studies.
- Experience in reviewing project submittals, process sizing calculations, operational strategies.
- Evaluating and commenting on proposed federal / state regulations.
- Experience preparing permit amendments and preparing correspondence for regulatory agencies such as State Water Resources Control Board-Division of Drinking Water (DDW) or Regional Water Quality Control Board, U.S. or CA Environmental Protection Agencies.
- Experience in treatment plant design and/or construction.
- Working with operations and maintenance staff.

Ideal Knowledge:

- Water/wastewater/industrial treatment plant processes: coagulation, flocculation, sedimentation, filtration, disinfection, ozonation, corrosion control, fluoridation.
- Applicable federal and state drinking water regulations.
- Principles and practices of project management.
- Principles, practices, concepts, and standards of civil engineering as applied to hydraulics.
- Practices of researching engineering and design issues, evaluating alternatives and preparing

technical reports.

Ideal Skills and Abilities:

- Ability to prepare, understand, and interpret construction plans, specification, drawings, and other engineering documents.
- Ability to interpret, apply, explain and ensure compliance with applicable federal, state and local policies, procedures, laws and regulations, and Valley Water engineering policies and procedures.
- Prepare clear and concise reports, correspondence, and other written materials.
- Analyze, interpret, summarize and present technical information and data.
- Prepare and provide training on a work-related topic.
- Conduct engineering research projects, evaluate alternatives, make sound recommendations and prepare effective technical reports.
- Communicate clearly and concisely, both orally and in writing.
- Establish and maintain effective working relationships with those contacted during work.
- Direct, oversee and participate in the work of multi-disciplinary teams on engineering, water treatment, and water quality-related projects.

Ideal Training and Education:

- Bachelors Degree in Civil, Chemical or Environmental Engineering.
- Coursework in environmental, sanitary, or water supply engineering, with laboratory experience. Special Requirements (Desirable):
- MS with the emphasis in water/wastewater treatment process or plant design is desirable.
- Professional Engineer (PE) license in Civil or Environmental Engineering.
- Treatment plant or distribution operator certification.

License or Certificate: Possession of, or ability to obtain, an appropriate, valid California driver's license. Individuals who do not meet the driver's license requirement due to a disability will be considered for a reasonable accommodation on a case-by-case basis.

Benefits

\$9,514.27 - \$12,181.87 Monthly

Kind: Full Time

Level: Professional

Apply

Closing Date for Applications: April 19, 2019 by 11:59pm

For detailed information regarding requirements and qualifications for this opening and to apply online, please see the job posting by clicking on the following link: <https://www.governmentjobs.com/careers/scvwd>

Please visit our website: www.valleywater.org

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