

Job Description

Water Treatment Engineer

GENERAL CONSTRUCTION (GC)

When you join our team, you are in the right place for your career growth and to utilize your talents and potential. We are a full Engineering, Procurement, Construction, and Maintenance (EPCM) company serving clients in Oil & Gas, Mining & Metal, Petrochemical, Power, Civil Infrastructure, Water industries in U.S. and around the world.

Servicing our customers through our diverse business divisions, we offer challenging assignments on some of the world's largest and most complex projects. Our clients value us because they know we could deliver. General Construction is headquartered in Houston, Texas and has opportunities throughout the U.S., Canada, Mexico and China.

General Construction Group is looking for a **Water Treatment Engineer** for our Houston office. Job duties will include but not be limited to the following:

Roles & Responsibilities:

- Working on water / wastewater / storm water treatment and conveyance including planning, process evaluations, detailed design and construction management.
- Provide expertise in the areas of water and wastewater system and treatment plant evaluation, modeling and design, rehabilitation and expansion, and master planning
- Field work could include conducting site visits, sampling, analyzing data for water quality, technology evaluations and plant operations information, process troubleshooting and optimization, as well as condition assessments and overall performance evaluations of water/wastewater/storm water facilities.
- Lead the design of treatment plants, pump stations, lift stations, odor control systems, water wells, security, dewatering and power consumption evaluations.
- Perform tasks including preparation of and conducting effective presentations, participation in client meetings and field interaction with clients and subcontractors.
- Must have experience in desalination, raw water treatment, ion exchange demineralization system, wastewater treatment, contaminated stormwater treatment, produced water treatment, cooling towers, membrane technology, and new emerging desalination technologies.
- Provide technical evaluations on vendor's process designs for the water packages.
- Participate and promote Zero Accident HSE work culture.
- Enforce HSE regulations and adheres to current codes and standards.
- Participate in proposal preparation activities if required.
- Ensure that work being performed is within scope of services and within budget.
- Coordinate with client representatives to obtain approval on work as it is accomplished.
- Responsible for on-the-job training of owner's personnel, if required.

Professional Certification: PE Registration desired

Experience: Five (5) to fifteen (15) years of hands-on experience.

Education: BS or MS of Civil, Environmental, or Chemical Engineering.

Intermediate to advanced computer hardware/ software literacy. Knowledge of electrical, process, mechanical, HVAC and instrumentation industries desirable (engineering, fabrication, testing, installation and start-up). Proven experience and track record of accomplishment with excellent oral & written communication skills.

Benefits:

General Construction Group offers a selection of competitive lifestyle benefits which could include a 401K plan with company match, pension, medical, dental, vision, life insurance, flexible spending account, disability, paid time off, or flexible work schedule. We support career advancement through professional training and development.

EOE:

General Construction Group is Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, or protected veteran status and will not be discriminated against on the basis of disability.