



Job Posting

Senior Project Engineer

*** LOCAL CANDIDATES - PRINCIPALS ONLY ***

Gulf Coast Authority is located in southeast Houston, Texas. Established by the Texas Legislature in 1969, we recently celebrated our 50th year of protecting the waters of the State of Texas and continue a significant role in improving the water quality of Galveston Bay, Houston Ship Channel and the state of Texas.

GCA growth has created a need for additional talent in its Engineering department. The Senior Project Engineer's primary role will be to support the development of engineering design and oversee the execution of construction projects at regional industrial wastewater treatment facilities in the state of Texas, primarily in the Houston/Galveston metro. The Senior Project Engineer will oversee the development of project plans and specifications, bidding, as well as construction engineering support, construction management, commissioning and start-up activities. In addition, the position will provide support to the facilities in the Project Engineer's area of technical expertise. Reports directly to the Assistant Director – Project Engineering.

Position: SENIOR PROJECT ENGINEER at the Central Office, day shift. May work remotely at project sites and extended hours. Pay range: For qualified candidates is \$86,965-\$111,976-\$136,989 salary range

1.0 Typical Duties and Responsibilities

- 1.1 Provide technical assistance to various organizational units in design, purchase, and construction of facilities.
- 1.2 Assists with the preparation of design plans, specifications, and related documents for the development of bid packages with engineering consultants.
- 1.3 Serve as construction manager on assigned projects, including management of construction contractors.
- 1.4 Assist in conducting periodic analyses, studies and reviews of assets and capital projects, including cost-benefit analyses, justifications and risks within project scope.
- 1.5 Effectively communicate with facility managers, plant supervisors, contractors, plant operations and maintenance personnel, suppliers, engineers and other employees in a timely and professional manner.
- 1.6 Maintain strict confidentiality of all project, financial, proprietary, process and other sensitive information.
- 1.7 Perform other engineering duties and special projects as required.

2.0 Knowledge, skills, and abilities

- 2.1 Wastewater experience and experience petrochemical or petroleum refining industries.
- 2.2 Demonstrated experience in project management process, particularly using the stage/gate project delivery process.
- 2.3 Strong analytical skills with the ability to diagnose and advise effective corrective actions and recommendations and facilitate decision-making on technical matters to project sponsors and support personnel.
- 2.4 Effective communications in both oral and written forms. Experience giving project presentations and reports to a variety of audiences.
- 2.5 Functional computer skills, generally including: word processing, spreadsheet, database, graphical, project scheduling, and email applications.
- 2.6 Knowledge of civil, chemical or environmental engineering principles and methods, strength of materials, surveying, and soil mechanics.

- 2.7 Demonstrated ability to interpret and implement state and federal regulations, contractual agreements, complex contract documents, technical manuals, specifications, building codes and correspondence related to design, operation and construction of capital projects.
- 2.8 Demonstrated ability to interpret and implement state and federal regulations, contractual agreements, complex contract documents, technical manuals, specifications, building codes and correspondence related to design, operation and construction of capital projects.
- 2.9 Perform complex engineering calculations in design, construction or support of wastewater treatment facilities.

3.0 Environmental Conditions

- 3.1 Work is performed indoors and outdoors, with some exposure to extreme heat and cold and possibly at remote locations.
- 3.2 Work may involve exposure to potential noise, mechanical, electrical, explosive, fume/odor, dust/mite, chemical, toxic waste hazards with proper precautionary procedures, including PPE.
- 3.3 Safety requirements include ability to wear all PPE equipment including full-face respirator and supplied air.

4.0 Education, certifications, and experience required

- 4.1 Bachelor of Science in Civil, Electrical, Mechanical or Chemical Engineering from an accredited college or university.
- 4.2 At least seven years of direct experience in project engineering, design and construction of civil/mechanical and capital projects.
- 4.3 Be a licensed Professional Engineer in the State of Texas or be qualified to obtain and maintain a P.E. license within one year of employment with GCA.
- 4.4 Valid Class "C" Texas Driver's License

5.0 Physical Requirements

- 5.1 Ability to sit while performing various job functions such as writing, operating computer, and other office activities.
- 5.2 Ability to walk, stand, kneel, crouch/stoop, squat, twist upper body, balance and climb while performing project work and other job functions.
- 5.3 Must be able to travel by auto and air to project sites for extended overnight stays.
- 5.4 Ability to operate assigned vehicle

GCA offers competitive salary and excellent benefit package to the right individual, but does not provide reimbursement for relocation expenses. Check our website at www.gcatx.org for additional information.

Again, principals only, please, and no phone calls. To be considered, apply on our website at www.gcatx.org or email resume with salary requirements to the attention of Human Resources Director, with SRPRJENG in subject line to address above. All inquiries remain confidential.

The above statements are intended to describe the general nature and level of work being performed by the person assigned to this job. They are not intended to be an exhaustive list of all responsibilities, duties, skills, and physical demands required of personnel so classified. Holding people assigned to this or any job to expectations described herein does not constitute harassment in any form.