



## Job Posting

# Senior Process 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 50<sup>th</sup> 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.

The Senior Process Engineer provides industrial wastewater process engineering support to various operating facilities for daily operation and project design work including technical reviews and studies. Develop clear recommendations for management or supervisors to optimize operation or address problems. On an assignment-specific basis perform the role of Project Engineer, Lead Engineer or Facility Representative as defined in the GCA Project Work Process. Be able to complete complex assignments with minimal supervision. Must have a thorough understanding of industrial activated sludge treatment processes and the general microbiology associated with the processes. Must have an understanding of other technologies that are used for treatment of industrial wastes. Reports to Assistant Director of Technical Services.

**Position: SENIOR PROCESS ENGINEER at the Central Office, day shift. May work remotely at project sites and extended hours. Pay range: For qualified candidates is \$89,574-\$115,336-\$141,098 salary range.**

### 1. Typical Duties and Responsibilities:

1. Be a resource for Industrial Wastewater Treatment knowledge for facilities, compliance and project teams.
2. Provide technical support to industrial wastewater facility operations regarding process related issues. This work may require design and performance of studies or analysis of existing data.
3. Provide technical support to projects on process design issues including development of P&IDs, process flow diagrams, and input on selection of processes and specific equipment.
4. Communicate clearly with facility managers, plant supervisors, facility operators and other GCA staff.
5. Provide input to and coordinate work of outside consultants and suppliers doing work for GCA
6. Show continuing development of engineering and communication skills
7. Other related duties as assigned.

### 2. Knowledge, skills, and abilities:

1. Knowledge of Industrial wastewater treatment, activated sludge wastewater treatment, as well as chemical or environmental engineering principles and methods, Laws of Physics, mathematics, hydraulics and other general engineering knowledge
2. General knowledge of state and federal environmental regulations.
3. Knowledge of computer application to engineering problems.
4. Ability to read state and federal regulations, complex contract documents, technical manuals, specifications, and correspondence.
5. Ability to perform complex engineering calculations as related to the design and operation of treatment facilities.

6. Ability to write and edit technical specifications, contract agreements, correspondence, meeting minutes and memos.
  7. Ability to operate assigned vehicle.
  8. Ability to operate office equipment such as PC and calculator.
  9. Must have demonstrated ability to communicate effectively to all internal and external groups including excellent presentation skills.
3. **Environmental conditions:**
1. Work is performed indoors and outdoors for with some exposure to extreme heat (100f) and cold (32f).
  2. Work may involve exposure to potential noise, mechanical, electrical, explosive, fume/odor, dust/mite, chemical, toxic waste hazards with proper precautionary procedures.
  3. Safety requirements include ability to wear all personal protective equipment including full face respirator and supplied air.
  4. Be responsive and available in emergency situations as required.
4. **Education, certification, and experience required:**
1. Bachelor of Science in Chemical, Environmental Engineering, or an environmental program under the Civil Engineering department.
  2. At least seven years of experience in biological industrial wastewater process engineering including involving process design and/or operation of industrial treatment facilities.
  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.
  4. Valid Class "C" Texas Driver's license.
5. **Physical requirements**
1. Ability to sit while performing various job functions such as writing, operating computer, and other office activities.
  2. Ability to walk, stand, kneel, crouch/stoop, squat, twist upper body, and climb while performing project inspection and other job functions.
  3. Ability to travel overnight to facilities, project sites or training locations.

**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](http://www.gcatx.org) for additional information.**

**Again, principals only, please, and no phone calls. To be considered, apply on our website careers tab at [www.gcatx.org](http://www.gcatx.org). 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.**