



Job Description – Process Engineer

BCR Environmental Corporation is a solutions company transforming the way public and private processors treat and manage biosolids, organic wastes, and other process streams. BCR patented technologies convert organic waste and other process streams into valuable products that may be further processed or used as end products. BCR is growing rapidly because we offer solutions that lower costs and reduce risk. BCR has a significant U.S. market position as a technology innovator and leader in the municipal biosolids sector. Our Whole Solutions eliminate odor, improve regulatory compliance, simplify biosolids and organics management, and convert waste streams into renewable resources. Further, BCR is rapidly expanding into industrial markets through resource recovery projects, environmental remediation, and difficult heat transfer and processing solutions.

BCR has an outstanding opportunity to add a Process Engineer to work within the company Engineering Team. BCR maintains a family first culture and a fun working atmosphere, where each person contributes to a successful team. If you are looking for a place to immediately provide impact and grow in a high growth and sustainable industry - this is the place.

Position Type:

Full time, salaried.

Position Posting:

Houston, TX (77429) (In office)

Job Description:

Under the supervision of the Director of Engineering, conducts process related activities associated with current and future projects for our process equipment. Opportunity to progress further within the engineering or sales team depending on the individual's motivation.

Experience within the Water & Wastewater industry preferred, and/or with complex process equipment, with a concentration in Wastewater treatment equipment manufacturing. Performs a variety of tasks.

Reports to: Director of Engineering

Essential Functions:

- Work with sales team within company sales process and software to progress leads, opportunities, and projects to completion in a technical focus.
 - Assist applications engineering by gathering data, clarifying scope and work to an understood solution with customers, customer engineers or consultants.

- Select, size, and detail company products to suit customer requirements/specifications for process.
 - Use company sizing tools for heat/mass balance, chemical demand and equilibriums to generate scope
 - Generate guiding documents to vendors and customers, such as data sheets, equipment layouts, tables, bills of material etc. to make an RFQ or RFP.
 - Use experience with mechanical, electrical and instrumentation components of process equipment to specify solutions.
- Work with Project Engineering to maintain project specific documents after their creation.
- Read, understand, comment upon customer supplied project specifications to suit company products, goals, and processes.
- Candidate would have to be experienced with the creation of, P&IDs, and PFDs.
- Create, update, and maintain drawings in AutoCAD and Plant 3D software.
- Check each design against job specifications.
- In design, consider function; safety, maintenance and operation;
- Support customer required delivery by meeting deadlines for supplying deliverables
- Use, create, and update Applications & Process Engineering Calculations tools & templates.
- Solves customer problems with professionalism.
- Maintain the company culture.

Knowledge, Skills, and Abilities Required:

- BS in Chemical, Industrial, Mechanical or Process Engineering or equivalent experience.
- Minimum of 8 years of experience in Process engineering or similar role
- Travel up to 20%, reimbursed by the company.
- Affable nature, outgoing and service oriented
- Understanding of thermal dynamics and heat exchangers.
- Understanding of rotating equipment. Understanding of process control equipment, instrumentation, and analyzers.
- Proficient with developing new calculators/applications tools in Excel.
- Generate P&IDs, PFDs, and other drawings in AutoCAD. Generate tie point lists, instrumentation lists and other in Excel.
- Excellent organization, presentation, and verbal communication skills.
- Good analytical abilities, critical thinking skills, and tenacious follow up.
- Good technical knowledge and the ability to learn quickly.
- Scheduling, priority management and meeting deadlines
- Possess a valid driver's license

Working conditions:

- Workdays are usually, Monday to Friday, 8 hours per day, minimum 40 hours per week.



- Customer sites are municipal wastewater treatment plants or industrial sites and will require travel in company provided transportation to customer sites or expensed private transportation.

Benefits:

- Ten Paid Holidays
- 80 hours of PTO
- Medical benefits to include:
 - Medical
 - Vision
 - Life Insurance
 - Short Term Disability
 - Long Term Disability
- 401K