



Job Title: Senior Process Engineer

Job Type: Regular, Full-Time

Job Class: Professional

Department: Engineering

Reports to: Plant Manager

Direct Reports:

Indirect Reports:

FLSA Status: Exempt

SGL:

Location: Beaumont, TX

JOB SUMMARY / OVERVIEW

The Senior Process Engineer will apply their technical knowledge and operating experiences to troubleshoot and resolve process related issues in a timely fashion for safe, stable, and optimized plant performance. The Engineer will seek new ways to improve the operation by identifying process improvement opportunities and executing approved projects with innovative and cost-effective solutions. The Senior Process Engineer is expected to have a strong work ethic and work independently with minimal oversight from supervision while providing guidance to their less experienced engineering counterparts. The person in this role will be a leader in the organization and should conduct themselves professionally as they interact with all site personnel. Communication in this role is key to make the most of the engineer's technical expertise and the conveyance of knowledge to others to enhance the technical capabilities throughout the operations organization.

ESSENTIAL JOB FUNCTIONS

- Troubleshoot problems within the Methanol and Ammonia manufacturing facilities.
- Monitor performance of processes through all stages of production interacting daily with the operations group.
- Identify ways to optimize performance or to ensure compliance with safety and environmental regulations.
- Conduct research to develop new and cost-effective ways of solving common operating issues.
- Lead in the development and management of area plant improvement projects.
- Design, plan, and execute approved project assignments.
- Monitor and at times direct activities to ensure construction, installation, and testing match the specifications of assigned projects.
- Provide production progress reports and plant efficiency studies as requested by management.
- Collect data and work with catalyst providers to evaluate catalyst performance ensuring catalyst efficiencies are understood and that catalyst life is projected for future turnaround planning.
- Develop or update as needed process flow diagrams and process and instrumentation drawings.
- Lead the Management of change process for most operational and process technical changes.
- Lead MOC and small capital project related Hazop Studies.
- Lead 5-year cyclical unit wide PHA studies with the assistance of qualified hazard analysis experts.



- Communicate the findings of cyclical PHA studies to the entire organizations and work with the management team to assign the resulting recommendations.
- Provide unit performance data for bio-methanol production calculations, and participate in the annual ISCC auditing for bio-methanol production certifications
- Develop process operating procedures and limits to be employed by the operations group.
- Effectively communicate with all branches of the organization and assists other Departments as necessary.
- Present a professional image at all times.
- Follow all relevant company policies and procedures.

QUALIFICATIONS

Education, Experience, and/or Training

- Degree in Chemical Engineering required
- Minimum 8 years' experience preferred
- Previous experience in the chemical (continuous process) or oil refining industry preferred

Knowledge, Skills, and Abilities

- Engineering and Technology — Knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services.
- Production and Processing — Knowledge of raw materials, production processes, quality control, costs, and other techniques for maximizing the effective manufacture and distribution of goods.
- Complex Problem Solving — identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.
- Critical Thinking — using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
- Judgment and Decision Making — Considering the relative costs and benefits of potential actions to choose the most appropriate one.
- Systems Evaluation — Identifying measures or indicators of system performance and the actions needed to improve or correct performance, relative to the goals of the system.

SPECIAL REQUIREMENTS

SOFTWARE

- Proficiency in Microsoft Office, including Excel, Word, and Outlook required.

PHYSICAL

- Ability to lift 20 lbs. occasionally.
- Ability to sit for prolonged amounts of time required.
- Ability to effectively communicate through various means required.



ENVIRONMENTAL

- Work is performed within an office environment, including office equipment – such as computers, telephones and copiers.
- Work is performed in the “field”, requiring proper safety equipment.
- Requires passing by industrial equipment on way to office.
- Noise levels are typically moderate.

WORK SCHEDULE

- Monday – Friday with available rolling 80s schedule.
- May work longer hours to meet deadlines as necessary.
- Willing to work call outs on plant needed basis.

TRAVEL

- Less than 10% of the time.

DISCLAIMER

This is not necessarily an exhaustive list of all responsibilities, skill, tasks, requirements, efforts, or working conditions associate with the job. While this is intended to be an accurate reflection of the current job, OCI Beaumont, LLC reserves the right to revise or change job duties and responsibilities as business needs arise. In compliance of EEOC regulations, if the employee cannot perform the essential functions of this position in a satisfactory manner, further accommodations shall be made if it does not constitute undue hardships upon this organization.

Prepared by: Brandan Rossi

Prepared Date: July 13th, 2018

Approved by:

Approved Date:

Review Date: