JOB DESCRIPTION

Title: Plant Engineer
Reporting: Reports to VP Manufacturing and Technology
Location: Rochester, NY
Min. Experience: 8 Years
Education: Chemical Engineering, Mechanical Engineering, or equivalent degree

Overview
The Plant Engineer is responsible for managing the technical aspects of the pilot plant, including troubleshooting, process control, and process improvement. The successful applicant will be expected to create and maintain a stable, reliable manufacturing process through analysis of data and application of sound engineering practices. The Plant Engineer will be involved in the design of the next scale of commercial plant, utilizing knowledge gained from the pilot plant to recommend appropriate unit operations. A strong background in engineering and design, process safety (OSHA 1910.119), project management, lean manufacturing principles, and process reliability in a chemical manufacturing environment is desired.

Duties & Responsibilities

- Build and maintain the knowledge needed to be resident expert on equipment and manufacturing of SiGNa products.
- Review, update and manage Standard Operating Procedures (SOP) to ensure that work is done safely and efficiently. Effectively collaborate with and seek input from operators and other staff to develop SOPs.
- Along with the HSE Manager, coordinate HAZOP reviews and other PSM needs to ensure the safety and health of employees. Participate in incident reviews, root cause analyses and corrective actions.
- Recommend improvements or redesigns for equipment and processes to meet safety, quality, production and cost goals. Create PFDs and P&IDs. Interact with R&D team to identify development activities necessary to improve manufacturing processes. Support design activities with business cases including economic analysis.
- Use statistics and statistical process controls to confirm plant operations, capability, reliability and quality. Develop effective countermeasures when problems or nonconformance are uncovered.
- Prepare and maintain inventory records; provide monthly and quarterly data for financial reporting requirements.
- Conduct audits and perform facility inspections to review practices and drive improvement in production.
- Support the VP of Manufacturing and Plant Manager to implement lean manufacturing principles in order to drive out waste. Help build a culture of continuous improvement and establish programs to increase uptime.
- Along with Plant Manager, coordinate activities for PM and major shutdowns, including awarding contracts, procuring materials, and sequencing of work.

Supervisory Responsibilities
This position has no direct report responsibilities, but the successful applicant is expected interact with a broad spectrum of staff with regard to manufacturing, design and development activities.
Qualifications

- B.S. in Chemical Engineering, Mechanical Engineering or equivalent degree.
- 8 years total, with 5 or more years’ experience required in a medium to large-scale chemical manufacturing facility.
- Familiarity in the handling and manufacturing of pyrophoric materials is preferred.
- Strong background in process safety management (knowledge of OHSA 1910.119 is desirable).
- Familiarity with NY regulations, OSHA, and EPA regulations related to chemical manufacturing facilities.
- Demonstrated skills in designing equipment, plant and processes, including a history of managing capital projects for quality, schedule and cost adherence.
- Experience in transitioning development projects from lab into manufacturing.
- Knowledge of lean manufacturing principles and experience applying them in an industrial setting.
- Able to conduct data mining, analysis and statistical testing when appropriate.
- Proficient in Excel, Word, Powerpoint, and Project.
- Strong interpersonal skills.
- Strong written and verbal communication skills.
- Strong organizational and time management skills.

Interested parties should submit a resume to hr@signachem.com.