



Plant Engineering Intern

Division: POET Biorefining

FLSA Status: Non-Exempt

SUMMARY

The Plant Engineering Intern works closely with the Plant Manager, Operations Manager, and the Maintenance Manager to maximize efficiencies of plant operations while optimizing plant run time. The Plant Engineering Intern troubleshoots and identifies process needs to maintain production levels and assists in the development of predictive and preventative maintenance programs.

ESSENTIAL FUNCTIONS

1. Some or all of the following projects/research/initiates relating to plant operations may be assigned throughout the duration of the internship:
 - a. Safety
 - b. Efficiencies
 - c. Maintenance
 - d. Process Optimization
 - e. Operations
 - f. Compile & Analyze data
 - g. Plant specific research
 - h. Environmental Compliance
2. Work with Plant Manager, Operations Manager and Maintenance Manager on operation/troubleshooting issues.
3. Work with the Maintenance Manager and Plant Manager to begin implementation of predictive maintenance programs.
4. Work with the plant maintenance department and outside vendors to assist in the ongoing development of the preventative maintenance program. The Plant Engineering Intern will determine applicable equipment, needed tools, and required inspection frequencies.
5. Work with the management team to further strengthen and develop plant operating procedures.
6. Maintain confidentiality relating to projects and processes
7. Foster a culture of safe behavior and environmental compliance at all times.
8. Maintain a team environment at all times and champion POET in the community.
9. Other duties as assigned.

EDUCATION & EXPERIENCE REQUIREMENTS/COMPETENCIES

To perform the essential functions of this position successfully, an individual should be able to demonstrate the following competencies:

- Must be pursuing a Chemical, Mechanical, or Agricultural Engineering degree as full-time student enrolled at an accredited 4 year college or university in their Junior or Senior year.
- Must be able to work a variety of shifts, minimum of 40 hours/week
- Effective oral and written communication skills and excellent interpersonal skills.
- Familiar or experience with DCS control and DCS historian systems are beneficial.
- Knowledge in Microsoft Office Suite and the ability and willingness to learn new software applications.
- Excellent organizational, time management, and communication skills as well as the ability to adapt to change.

WORK ENVIRONMENT/PHYSICAL REQUIREMENTS

This position is largely self-directed and requires a thorough understanding of company policy, procedures, and values. Team members will be required to adhere to all safety requirements at all times and in all work environments. This position is exposed to work in multiple environments, including plant, laboratory, as well as an office environment. The team member may be exposed to high noise levels, moving mechanical parts, dusty conditions, internal and external temperature/weather conditions, and chemicals.

Some travel may be required.

Specific physical requirements may include:

- Occasionally lifting weight up to sixty (60) pounds.
- Climbing several flights of stairs and ladders.
- Opening valves.
- Occasionally bending, twisting and turning while lifting weight of less than fifty (50) pounds.
- Data entry while seated for greater than one (1) hour.
- Walking up to two (2) or more miles per day.
- Pushing brooms, shovels, etc.
- Working at heights, in confined spaces and at temperatures from -20 to +100 degrees.
- Standing for extended periods of time.
- Wearing Personal Protective Equipment (PPE).
- Using hand and power tools.