



## Plant Engineer II

**Division: POET Biorefining**

**FLSA Status: Exempt**

### SUMMARY

The Plant Engineer II increases efficiencies of plant operations, maintains plant run time, implements system improvements, maintenance reliability, troubleshoots process problems and considers cost factors. The Plant Engineer II will supervise environmental, health, and safety (EH&S) personnel and ensures compliance of environmental, health, and safety requirements. POET biorefineries operate on a 24 hour continuous schedule; the Plant Engineer II must be available as needed.

### ESSENTIAL FUNCTIONS

1. Complete and present data analysis of process information: create associated action plans and identify optimization needs.
2. Create and analyze production performance numbers for plant management and POET Plant Management.
3. Create capital request justifications for plant management.
4. Strive for efficiency in plant operations and minimize plant downtime.
5. Identify opportunities for plant improvements and works with POET Plant Management to implement continuous improvement projects.
6. Work with Operations Engineering Manager and Optimization support from Plant Management on operational/troubleshooting issues.
7. Assist with facility shutdown planning and execution with the management team.
8. Assist with creating annual strategic plan initiatives for the department.
9. Ensure that all city, county, state and federal regulations are being met at all times.
10. Develop and utilize historical database reports
11. Ensure that all plant policies are implemented and followed.
12. Write and coordinate procedures, and communicate to shift supervisors as necessary.
13. Facilitate communication between departments.
14. Supervise EH&S personnel and be responsible for EH&S compliance and ensuring training of the biorefining team members. Ensure all safety programs are maintained and enforced.
15. Effectively manages team by recruiting, selecting, orienting and training team members. Leadership responsibilities also include delegation, coaching and performance management and career development to effectively execute departmental strategies and support company objectives.
16. Foster a culture of safe behavior and environmental compliance at all times.
17. Maintain a team environment at all times and champion POET in the community.
18. Other duties as assigned.

### EDUCATION & EXPERIENCE REQUIREMENTS/COMPETENCIES

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

- Bachelor's degree or greater in engineering required; chemical engineering degree preferred.
- Prefer 2 or more years of experience in an operating processing plant environment such as grain processing or chemical processing preferred.
- Prior project management experience preferred.
- Prior operations and maintenance management experience preferred.
- Familiar with DCS control and DCS historian systems.
- 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.

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.