



**Job Title:** Plant Operations Engineer

**Job Fit:**

The Plant Operations Engineer position is geared toward recent graduates excited to develop breadth of process operations knowledge and leadership skills in a fast-paced environment. The experience gained from this position will propel careers in research and development, process engineering, process design and project management.

**Company Overview:**

The Chemetry team is a dedicated and innovative group of forward thinkers excited to redefine how chemicals are made. Chemetry pioneered the eShuttle™ platform to more safely produce industrial chemicals with improved process economics and lower energy demand compared to conventional production. Chemetry operates laboratory and pilot plant facilities in Moss Landing, California, to further develop the technology platform.

**Job Scope:**

The Plant Operations Engineer is expected to understand process design, equipment and controls to support the scale-up of eShuttle™ Propylene Oxide from the laboratory. They will commission and operate the pilot plant to validate and optimize the process. The position requires work shift flexibility associated with a 24-hour operation. This position is ideally suited for someone with an engineering degree who can understand the plant operations and who can effectively operate the plant, support data collection and provide insight into needed performance improvements. This position could be filled with a driven, recent engineering graduate who is interested in and versatile enough to operate the pilot plant. While not critical, an affinity for hands-on work is a plus.

**Duties and Responsibilities:**

- Perform plant commissioning activities
  - Instrument checks and calibrations
  - Cold flow tests
  - Trial runs on draft Standard Operating Procedures (SOPs)
  - System trouble shooting
- Execute pilot plant run plans as developed by the process engineering/science team:
  - Operate the pilot plant using a PLC system
  - Monitor pilot plant performance through data collection software
  - Sample and analyze process streams
  - Document, analyze and troubleshoot process deviations
- Review and improve pilot plant SOPs
- Manage the preventive maintenance program
- Train team members to operate equipment and abide by all Health, Safety and Environment programs.



**Required Qualifications:**

- Health, safety and environment conscious
- Bachelor's degree in Engineering (preferably Chemical or Mechanical)
- Effective written and verbal communication skills
- Highly collaborative spirit with strong team and interpersonal skills
- Capable of climbing stairs and ladders, standing 70% of the time, lifting 50 pounds and wearing all required PPE including full face respirator, self-contained breathing apparatus (no facial hair) and fall protection.

