Chippewa Valley Ethanol Company
Job Description

Job Title: Engineering Summer Support
Reports To: Plant Engineer/ Project Manager

SUMMARY

Assisting the Engineering Department with developing, configuring and optimizing industrial processes from inception through to start up and certification. Assessing processes, taking measurements and interpreting data. Designing, running, testing and upgrading systems and processes. Assists with activities concerned with the maintenance of plant equipment, new technologies, cost benefit analysis, and energy efficiency.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

- Contribute to P&ID design and implementation in the field
- Assist with Engineering Department activities including drawing storage, cataloging and control, P&ID updating, plant equipment information storage, inspection schedules, maintaining project files, write and maintain Engineering information and project standard practices and forms.
- Assist R&D activities related to process optimization, observe and assess the potential impact of emerging technologies to improve CVEC plant yield, OST, Product diversification and energy use.
- Operate, and maintain software to assist with plant layouts, piping etc.
- Promotes and supports a clean, safe and environmentally friendly workplace that will encourage employees to act in a responsible manner while complying with governmental agencies rules and regulations.
- Observes safety and security procedures, reports potentially unsafe conditions, and uses equipment and materials properly.
- Acts professionally and treats others with respect and consideration.
- Other duties as assigned.

EXEMPT EMPLOYEES EXPECTATIONS

Expected work week is Monday – Friday or 5 days per week with an expectation of 40 hours per week.
Tasks are to be complete and continually being improved upon.

QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION and/or EXPERIENCE

Ideally experience operating engineering design software and Microsoft Word, Excel, Project and PowerPoint applications.

LANGUAGE AND COMMUNICATION SKILLS

Ability to read and interpret documents such as drawings, material characteristic tables, construction contracts, safety rules, operating, maintenance and installation instructions. Ability to create layout sketches and drawings and write project proposals. Ability to speak effectively before co-workers, design consultants and construction contractors. Ability to respond to common inquiries or complaints from co-workers and regulatory agencies.

ANALYTICAL SKILLS
Highly capable of locating and utilizing a wide range of design equations and data tables necessary for designing piping systems and lifting structures. Effective at organizing diverse forms of project information such as drawings, equipment specifications, work lists, timelines, etc.

REASONING ABILITY
Ability to define problems, collect data, establish facts, and draw valid conclusions. Ability to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables.

PHYSICAL DEMANDS
Must be able to repeatedly lift 40 pounds. Must be able to climb stairs and ladders to sufficiently access the highest points of the Barr-Rosin and all floors, columns, tanks and equipment in the Main Process building and Distillation #1 and #2. Must be able to work outdoors year-round in Benson, Minnesota.

WORK ENVIRONMENT
The work environment is the office and the industrial plant. Conditions in the plant may be 100F and humid with high noise levels and hearing protection is commonly used. Equipment and tanks are also located outdoors exposing one to all seasons of Benson, Minnesota, weather, insects and histamines. Plant processes contain or use flammable liquids, hot vapors, caustic chemicals, grease and oil requiring the proper use of PPE and adherence to safety procedures.