

INTERNSHIP: Lead a project focused on energy efficiency and chemical optimization (Summer 2017)
COMPANY: Kerry Ingredients and Flavours

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on energy efficiency, chemical reductions, and water conservation at Kerry Ingredients and Flavours in Rochester, MN. The intern will work with MnTAP and Kerry staff to perform a steam system analysis to identify opportunities to use less energy and water. The intern will also review Kerry's use of cleaning chemicals and determine opportunities involved with improving chemical management and cleaning processes to reduce chemical use while maintaining cleaning and sanitation standards. As time allows, the student will also identify opportunities associated with the glycol chiller system, identifying opportunities to save energy and reuse water. The student will draft reports detailing savings opportunities for these projects over the summer and advise on the value of potential implementation.

JOB DUTIES:

As part of this project, you will be asked to complete the following tasks:

1. Footprint boiler system steam usage within the facility.
2. Identify specific opportunities to reduce steam use and save energy.
3. Footprint chemical usage at this facility through discussions with the site's cleaning chemical vendor.
4. Explore and justify opportunities to reduce chemical use at Kerry.
5. Identify opportunities for energy savings and water re-use within the glycol chiller system.
6. Summarize findings for each opportunity in a detailed final report including an economic analysis, justification of changes, and the environmental benefit associated with each change.
7. Present project findings to Kerry and at MnTAP hosted public presentation events.

As an intern, you will work at the company and report back to MnTAP. The position is full time, 40 hours per week, for three months to start after the conclusion of spring semester or quarter. Pay is \$13/hour, with a lump sum stipend of \$1,000 upon completion of the project deliverables: a final report and presentations. Cumulatively, this equates to \$15.00/hour when averaged over the project. Candidates must have a valid driver license and pass a background check.

QUALIFICATIONS:

- Cumulative GPA of at least 3.0
- Good oral & written communication skills
- A technical academic background
- Troubleshooting skills
- Self-motivated
- Excel and other software skills
- Appropriate majors: *Engineering, environmental or physical sciences and others as applicable*

TO APPLY:

Apply online at:

www.mntap.umn.edu/intern/student_apply.htm

Remember to submit your application form, cover letter, resume, and unofficial transcript.

Cover letters can be addressed to:

Nathan Landwehr, Intern Program Administrator
200 Oak Street SE, Suite 350-1
Minneapolis, MN 55455 • landwehr@umn.edu

MNTAP IS THE HIRING BODY: DO NOT CONTACT THE COMPANY