**INTERNSHIP:** Lead a project focused on process water conservation and product recovery at a food processing facility. (Summer 2019)

**COMPANY:** Seneca Foods, Glencoe, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior- or senior-level college student to lead a project focused on reducing water usage and improving product recovery at Seneca Foods in Glencoe, MN. The intern will work with Seneca and MnTAP staff to determine and evaluate proposals to limit the generation of wastewater at the facility. This will involve understanding how volumes of water are used to clean and transport product, along with product quality constraints and limitations, to identify opportunities for improving water usage efficiency. The intern will also evaluate areas of opportunity to reduce product loss within the production process and develop recommended implementations for improved product recovery.

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

1. Quantify and track current water usage throughout the production process
2. Analyze current water usage trends and procedures to identify opportunities for water conservation
3. Propose and evaluate implementable solutions for water conservation based on potential reduction and economic value
4. Collect product loss data at various points in the production process and use lean manufacturing principles to investigate potential solutions for improvement of product recovery
5. Propose and evaluate implementable solutions for product recovery with consideration given to product quality standards, good manufacturing practices, and overall project value
6. As time allows, provide technical support for additional waste reduction projects
7. Prioritize suggested changes using simple payback methods to financially justify the alternative processes or equipment
8. Work with the company’s management and employees to determine feasibility of alternative processes, methods, and equipment
9. 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
10. Present project findings to Seneca 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 $14.00/hour, with a lump sum stipend of $1,000 upon completion of the project deliverables: a final report and presentations. Cumulatively, this equates to $16.00/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 and others as applicable

**TO APPLY:**
Apply online at: [www.mntap.umn.edu/intern/student_apply.htm](http://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-I
Minneapolis, MN 55455 • landwehr@umn.edu

**MNTAP IS THE HIRING BODY: DO NOT CONTACT THE COMPANY**

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