**Internship:** Lead a project focused on water conservation at a local food processing plant.

**Company:** A food processing facility in Fridley, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on water conservation with a food processor in Fridley, MN. The company operates a commercial bakery producing frozen bread and cookie dough. The intern will work with MnTAP and company staff to develop a water balance across the entire plant and develop recommendations for water conservation primarily in the cleaning and sanitation processes. Other project focus areas will be explored as time permits and are listed below.

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

1. Create a detailed overall water balance of the facility to help identify and prioritize opportunities for water conservation.
2. Analyze current cleaning and sanitation program to find opportunities for water savings. This will include analyzing clean-in-place (CIP) and manual cleaning procedures to determine optimal water and chemical usage.
3. Review energy used in process heating and cooling that coincides with production and sanitation for opportunities.
4. Work with the production team to determine processes that routinely produce food waste and identify opportunities for reject reduction. Determine alternative options for food waste diversion, such as donation or second-grade product.
5. Work with company management and employees to determine the feasibility of alternative equipment, methods, or processes.
6. Create a plan for the implementation of approved changes and initiate the implementation of those plans as time permits. Will include working with production staff to ensure final implementation is successful.
7. Summarize findings in a detailed report, including recommended procedures and vendor proposals along with an economic analysis and justification of recommendations.
8. Present findings to the company 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 be a U.S. Citizen, pass a background check and a drug test.

**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](http://www.mntap.umn.edu/intern/student_apply.htm)
Remember to submit your application form, cover letter, resume, and unofficial transcript.
Applications 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

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