The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on water conservation at the Land O’Lakes facility in Pine Island, MN. The intern will work with Land O’Lakes staff and the chemical supplier to perform a study on Clean-In-Place (CIP) systems to identify improvement opportunities. Optimizing the CIP systems has potential to reduce water, energy and chemical usage. The intern will develop an understanding of the current CIP processes, determine where changes can be tested, and will test and verify changes with quality control to ensure sanitation requirements are met.

**JOB DUTIES:**

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

1. Evaluate current clean in place (CIP) systems to optimize cycle time, rinse volumes, chemical additions, etc.
2. Propose changes to CIP programming to improve these procedures to reduce water, chemical and energy use.
3. Prioritize recommendations based on criteria such as estimated payback and ease of implementation.
4. Work with staff to test recommendations related to CIP optimization. Work to ensure changes meet food sanitation standards for the facility.
5. Participate in company meetings as scheduled.
6. Overall, manage project tasks, activities, and project documentation effectively, work competently, professionally, and safely.
7. Implement and document approved changes or outline a strategy for implementation. Establish metrics to track improvements, including materials and energy use.
8. Summarize findings in a detailed report.
9. Present findings to Land O’Lakes and at MnTAP-hosted public presentation event.

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 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:

Linda Maleitzke, Intern Coordinator
200 Oak Street SE, Suite 350-1
Minneapolis, MN 55455 • lmaleitz@umn.edu

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