**INTERNSHIP:** Lead a project focused on industrial wastewater treatment optimization, product loss minimization, and water conservation. (Summer 2019)

**COMPANY:** Kerry Ingredients and Actives (Rochester, MN)

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior level college student to lead a project focused on optimizing industrial wastewater treatment and reducing wastewater loading through the minimization of product loss. The project will also involve the analysis of specific water conservation opportunities at the facility. The intern will gather information on initial conditions, research optimization strategies, and develop a plan for implementation. Anticipated results from the analysis include reduced wastewater loading, cleaner wastewater discharge, as well as product and water savings.

The intern will report to engineering staff at Kerry and MnTAP. The project may also involve collaboration with operators at the local wastewater treatment facility.

**JOB DUTIES:**

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

1. Review available data and develop material balances as necessary to quantify and prioritize opportunities.
2. Study the process of on-site wastewater pre-treatment and gain an understanding of the systems and equipment involved.
3. Research strategies to minimize product loss and reduce wastewater loading.
4. Research strategies to reuse industrial water for the evaporator systems.
5. Work with the plant staff to test and implement these strategies.
6. Manage project tasks, activities, and project documentation effectively.
7. Work professionally and safely.
8. Summarize findings in a detailed final report, including recommended procedures and vendor proposals along with an economic analysis and justification of changes.
9. Present project findings to staff Kerry Ingredients and Actives, 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/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 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](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 350-1

Minneapolis, MN 55455 • landwehr@umn.edu

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

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