

Internship: Lead a project focused on energy efficiency.

Company: Stylmark, Fridley, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on water conservation and energy efficiency with Stylmark in Fridley, MN. The student will investigate strategies to reduce water use and save energy through rinse optimization, reducing aeration, assessing compressed air energy efficiency opportunities, and exploring potential for drag-out reduction. The intern will then quantify these opportunities and develop suggestions and outline plans for implementation.

JOB DUTIES:

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

1. Map water use of the production dip line.
2. Research ideal water conductivity or other quality targets for rinse tank.
3. Measure conductivity or other quality targets and work with on-site teams to control water flow based these metrics.
4. Research aeration targets and explore aeration efficiency opportunities.
5. Complete a compressed air leak assessment and explore compressed air efficiency opportunities.
6. Estimate the savings opportunity for reducing drag-out between dip tanks.
7. Estimate water and energy savings potential from implementation of provided recommendations, then prioritize suggested changes using simple payback methods for financial justification.
8. As appropriate, initiate implementation of approved process changes or develop plans for future implementation.
9. Summarize findings in a detailed report, including recommended procedures and vendor proposals along with an economic analysis and justification of changes.
10. 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 \$16/hour, with a lump sum stipend of \$1,000 upon completion of the project deliverables: a final report and presentations. Cumulatively, this equates to \$18.00/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

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

Applications can be addressed to:

Matt Domski, Intern Program Manager

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MNTAP IS THE HIRING BODY: DO NOT CONTACT THE COMPANY