

INTERNSHIP: Lead a project focused waste and energy reduction at a manufacturer and distributor of farm, ranch and pet products.

COMPANY: Miller Manufacturing Company, Glencoe, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on waste and energy reduction at a market-leading manufacturer of farm, ranch, and pet products. The intern will work with Miller staff to: eliminate single use packaging where feasible, optimize the recycling system, identify energy conservation opportunities, and other projects as time permits.

JOB DUTIES:

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

1. Identify opportunities to reduce or eliminate single use packaging within Miller Manufacturing. Identify and implement reusable alternatives.
2. Analyze and quantify waste. Identify opportunities for source reduction and optimize recycling system to ensure proper disposition of recycling and trash.
3. Understand the mechanics and economics of compressed air at the facility, including optimal system pressure, flow restrictions and pressure drops, pneumatic tool usage, leaks, and inappropriate uses, and identify strategies to reduce energy used by the compressed air system.
4. Research options for replacement or refurbishment of the existing standby fuel system.
5. As time allows, identify opportunities for additional natural gas or compressed air opportunities.
6. Prioritize suggested changes using simple payback methods to financially justify the alternative processes or equipment.
7. As appropriate, initiate implementation of approved process changes or develop plans for future implementation.
8. Summarize findings in a detailed report, including recommended procedures and vendor proposals along with an economic analysis and justification of changes.
9. 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 and drug screening.

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.

Cover letters can be addressed to:

Matt Domski, Intern Program Manager

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MNTAP IS THE HIRING BODY: DO NOT CONTACT THE COMPANY