

Internship: Lead a project focused on waste reduction in a manufacturing facility in the printing and packaging industry.

Company: OlymPak – Mora, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student, or graduate student, to lead a project focused on reducing printing defects on machines at OlymPak. The student will also explore reducing hazardous waste, conducting a basic lighting audit of the facility, exploring compressed air efficiency, and recycling used oil. The intern will quantify these opportunities and develop suggestions to reduce waste and conserve energy as well as outline plans for implementation.

JOB DUTIES:

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

1. Identify and quantify printing defects resulting in waste on various production lines.
2. Develop solutions to reduce waste through time series analysis, and investigating source reduction best practices for printing machines.
3. Complete a lighting audit, suggest energy efficient LED alternative lighting, and identify rebate opportunities.
4. Complete a compressed air audit, and identify system leaks and an optimal pressure setpoint to save energy.
5. Explore the opportunity to recycle used oil in alternative ways and further reduce its disposal.
6. Explore hazardous waste reduction opportunities for facility, and inventory frequency and type of waste.
7. Make recommendations for specific improvements based on research, testing, and calculation that will result in printing waste, oil and hazardous waste reduction, and energy efficiency.
8. Estimate waste and energy reduction potential from implementation of provided recommendations, then prioritize suggested changes using simple payback methods for financial justification.
9. As appropriate, support implementation of approved process changes or outline plans for future implementation.
10. Summarize findings in a detailed report, including recommended procedures and vendor proposals along with an economic analysis and justification of changes.
11. 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 \$19/hour, with a lump sum stipend of \$1,500 upon completion of the project deliverables: a final report and presentations. Cumulatively, this equates to \$22.00/hour when averaged over the project. Candidates must pass a background check.

QUALIFICATIONS:

- U.S. work authorization
- Good analytical, oral and written communication skills
- Troubleshooting skills
- Self-motivated and willing to take initiative
- Excel and other software skills
- Cumulative GPA of at least 3.0
- Preferred majors: *Engineering, environmental or physical sciences and others as applicable*

TO APPLY:

Apply online at:

www.mntap.umn.edu/interns/student/apply/

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.