2015 MnTAP Summer Internship: Kemps LLC in Rochester, MN
Lean Manufacturing Project Focused on Improving Product Yield and Reducing
Wastewater Loading at an Ice Cream Manufacturer

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on reducing waste at Kemps LLC ice cream plant in Rochester, MN. The intern will work to reduce product and raw material waste by identifying the root causes of waste, identifying appropriate equipment to improve the process, and implementing standard procedures to employ best practices for cleaning and processing. The goal of this project is to maximize the usable product and identify proper disposal for unusable product to keep it out of the wastewater.

JOB DUTIES:

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

1. Create process flow maps from raw material through final packaging to identify processes where waste is generated and where waste ends up.
2. Use Lean tools to determine root cause(s) of waste and develop appropriate improvements to reduce and/or eliminate those causes.
3. Prioritize suggested changes using simple payback methods to financially justify the alternative processes or equipment. Develop a cost comparison between the use of existing procedures and the new ones.
4. Run trials to demonstrate the effectiveness of improvements.
5. Participate in additional projects such as compressed air system energy savings and/or 5S organization as time allows.
6. Work with the company’s management and employees to determine feasibility of alternative methods and processes.
7. Implement and document approved changes or outline a strategy for implementation. Establish metrics to track improvements, including materials and energy usage.
8. Summarize findings in a detailed report, including recommended procedures and material management plans along with an economic analysis and justification of any 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 $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.

QUALIFICATIONS:

- Cumulative GPA of at least 3.0
- Good oral & written communication skills
- A technical academic background
- Troubleshooting skills
- Appropriate majors:
  - Chemical, Industrial, or Mechanical Engineering, 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:
Linda Maleitzke, Intern Coordinator
200 Oak Street SE, Suite 350
Minneapolis, MN 55455 • lmaleitz@umn.edu

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