2015 MnTAP Summer Internship:
Davisco Foods – Le Sueur Cheese Company, Le Sueur, MN
Reduce water usage and wastewater loading at Le Sueur Cheese

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on water conservation and wastewater loading reduction at Davisco – Le Sueur Cheese Company in Le Sueur, MN. The intern will work to reduce water and chemical usage, as well as to limit solids and chemicals to drain which contribute to wastewater loading. The intern will study cleaning systems and practices on-site and consult with staff and chemical suppliers to assess procedures and potential equipment changes that will achieve the aforementioned goals.

JOB DUTIES:
As part of this project, you will be asked to complete the following tasks:
1. Evaluate current clean in place (CIP) systems to optimize cycle time, rinse volumes, chemical additions, etc. Propose changes to CIP programming to improve these procedures to reduce water, chemical and energy use.
2. Assess additional cleaning procedures for opportunities to reduce solid product to drain which contributes to biological oxygen demand (BOD).
3. Estimate reduction, reuse and/or diversion potentials (weights/volumes) and costs associated with implementation.
4. Prioritize recommendations based on criteria such as estimated payback and ease of implementation.
5. Work with staff to test recommendations related to CIP optimization. Work to ensure changes meet food sanitation standards for the facility.
6. Participate in company meetings as scheduled.
7. Implement and document approved changes or outline a strategy for implementation. Establish metrics to track improvements, including materials and energy use.
8. Summarize findings in a detailed report.
9. Present findings to the company and at MnTAP-hosted public presentation event.

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 Engineering
  - Mechanical Engineering
  - Biosystems Engineering
  - Food Engineering/Food Science
  - Environmental 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:
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.