

Investigate industrial water reuse at Siemens Water Technologies

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to work as project manager to help investigate industrial wastewater reuse at a facility in Roseville, Minnesota.

PROJECT:

The company wants to control operating costs of treatment processes, while complying with environmental regulations and providing effective services and products to customers.

JOB DUTIES:

1. Determine the reuse potential of resin canister filling effluent and metals precipitation effluent.
2. Identify primary and secondary reuse applications and determine whether specific water sources are best suited for specific reuse applications.
3. Determine the degree and methods of treatment required for specific reuse applications.
4. Design a system to treat and supply reuse water, working with company management and employees verify feasibility and effectiveness.
5. Implement approved changes and quantify water savings and impacts.
6. Summarize findings in a detailed report, including recommendations and/or procedures along with an economic analysis and justification of any changes.
7. Present findings to the company and at MnTAP-hosted public presentation events, one of which may include a presentation at the Minnesota Pollution Control Agency (MPCA).

The intern will work at the company and report back to MnTAP. The position is full-time for 3 months to start after conclusion of spring semester or quarter. Pay is \$8.35/hour, with a lump sum stipend of \$2,500 upon completion of the project deliverables: final report and presentations (working out to \$13 an hour).

QUALIFICATIONS:

- Cumulative GPA of at least 3.0
- Good oral & written communication skills
- A technical academic background
- Troubleshooting skills
- Appropriate majors:
Chemical engineering, chemistry, civil engineering, mechanical engineering, physics, others as applicable

TO APPLY:

Send a letter of interest/cover letter, your unofficial transcript, and resume to:

Krysta Larson, Intern Coordinator
kjl Larson@umn.edu (preferred)
200 Oak Street SE, Suite 350
Minneapolis, MN 55455

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