



Minnesota Technical Assistance Program

Each summer, MnTAP interns help identify solutions for wastes including:

- Energy use
- Raw material use
- Defects
- Scrap
- Air emissions, VOCs, HAPs
- Solid or hazardous waste
- Water use and wastewater

Hear about their projects at this year's intern presentation session.

Each presentation is 15 minutes with 5 minutes for questions. Interns will present in the order listed to the right.

RSVP by August 1, 2008!

Call: 612.624.1300 • 800.247.0015

Email: kjl Larson@umn.edu

Directions

For directions to the McNamara Alumni Center, visit www.mntap.umn.edu.

Carpool

We encourage you to carpool to minimize air emissions and conserve resources.

Looking for a 2009 MnTAP intern?

Contact Krysta Larson to discuss your potential project for 2009.

Call: 612.624.4697 • 800.247.0015

Email: kjl Larson@umn.edu

Pollution Prevention and Energy Efficiency Solutions

Save the Date!

Learn more about pollution prevention and energy efficiency solutions from students participating in the 2008 Minnesota Technical Assistance Program (MnTAP) intern program.

August 25, 2008 • 1-4 p.m.

**Ski-U-Mah Room, McNamara Alumni Center
University of Minnesota**

The following projects will be highlighted during the presentation session.

- **Atritech, Inc., Plymouth.** This medical device manufacturer is looking to develop a new packaging concept to reduce packaging waste. *Maureen Holler, University of Minnesota, Biomedical Engineering*
- **Granite Falls Energy, Granite Falls.** The intern will work at the ethanol plant to determine the feasibility of installing a steam turbine to recover energy lost through the pressure-reducing valve. *Brian Ng, University of Minnesota, Mechanical Engineering*
- **Hitchcock Industries, Bloomington.** In this metal casting facility, interns will determine feasibility of using a fluidized bed system and the capability of replacing sulfur hexafluoride in the melting process. *Mark Mashock, University of Wisconsin - Milwaukee, Mechanical Engineering & Cary Hayner, University of Minnesota, Chemical Engineering*
- **Metropolitan Council Waste Water Treatment Plant, Saint Paul.** An intern will investigate the efficiency of the current blower operation and how that operation could be improved with different controls or strategies. *Laura Fletcher, University of Minnesota, Chemical Engineering*
- **Minnesota Energy, Buffalo Lake.** An intern will conduct testing to determine appropriate treatment to recycle water within the process. *Kevin Erickson, University of Minnesota, Chemical Engineering*
- **St. Luke's Hospital, Duluth.** The goal of this project is to minimize hazardous materials by incorporating environmentally preferable purchasing protocols. *Holly Lahd, University of Minnesota, Environmental Sciences, Policy, and Management*
- **Twin City Die Casting, Minneapolis.** The facility wants the intern to recommend ways to reduce energy use in facility including in the compressed air system. *Mat Waddell, University of Minnesota, Mechanical Engineering*

MnTAP works with Minnesota businesses to implement industry-tailored solutions that maximize resource efficiency, prevent pollution, increase energy efficiency and reduce costs. MnTAP is a non-regulatory program in the School of Public Health at the University of Minnesota and is funded by the Minnesota Pollution Control Agency's Environmental Prevention and Assistance Division.