



2017 Intern Symposium

Tuesday, August 22, 2017 • 1:00 p.m. - 5:00 p.m. • McNamara Alumni Center, University of Minnesota

Each summer, MnTAP interns help identify solutions for pollution prevention and conservation including:

- Energy use
- Air Quality
- Solid waste
- Source reduction
- Water conservation

Hear about their projects at this year's intern symposium.

Each presentation is 20 minutes. Interns will present in the order listed to the right.

Register today at:

z.umn.edu/2017InternSymposium

612-624-4697 • 800-247-0015
mnap@umn.edu

Directions

McNamara Alumni Center
200 Oak Street S.E.
Minneapolis, MN 55455

For directions visit:
mnap.umn.edu/us/directions.htm

Please note that Washington Avenue through the University is closed to vehicle traffic.

Looking for a 2018 MnTAP intern?

Contact Nathan Landwehr to discuss your potential project.

Call: 612-624-4697 • 800-247-0015

Time	Ski-U-Mah Room	Johnson Great Room	Minnesota Room
12:45		Registration	
1:00		Welcome: Laura Babcock, <i>MnTAP Director</i>	
1:20		Keynote Speaker: John Finnegan, <i>Professor and Dean, School of Public Health, U of MN</i>	
1:45	City of New Prague Wastewater Treatment Facility , New Prague <i>Emily Wen, Chemical Engineering, Washington University, St. Louis</i> - researched ways to optimize wastewater treatment processes.	CertainTeed Roofing , Shakopee <i>Alex Witte, Mechanical Engineering, U of MN Duluth</i> - focused on increasing production, reduce water use and optimizing evaporative cooling process in shingle manufacturing.	Kerry Ingredients & Flavours , Rochester <i>Denzel Bibbs, Mechanical Engineering, U of Wisconsin-Madison</i> - researched ways to improve energy and chemical use efficiency.
2:05	Plastech , Rush City <i>Emily Daniel, Aerospace Engineering and Mechanics, U of MN</i> - researched ways to reduce waste and energy use in plastic injection molding operation.	Bailey Nurseries , Cottage Grove <i>Christine Peltó, Geological Engineering, U of Wisconsin-Madison</i> - identified ways to conserve water through out plant growing production process.	Seneca Foods , Rochester <i>Daniel Chang, Chemical Engineering, U of MN</i> - focused on finding ways to reduce product loss and improve water and chemical use efficiency.
2:25	Phillips Distilling , Minneapolis <i>Nathaniel Scherer, Chemical Engineering, U of MN Duluth</i> - focused on finding ways and processes to conserve energy and water in a distillery.	Aqseptence Group Inc. , New Brighton <i>Ryan Pauly, Chemical Engineering, U of MN</i> - investigated ways to reduce water use in sheet metal fabrication processes.	Minneapolis Water Treatment & Distribution Services , Minneapolis <i>Gina Sternberg, Chemical Engineering, U of MN, Duluth</i> - optimized the chemical treatment process, reducing chemical use and improving water quality.
2:45		Poster Session Refreshments and networking with interns	
3:45	Advanced Extrusion , Rogers <i>Tiger Rost, Aerospace Engineering, U of MN</i> - researched ways to reduce energy and waste in plastic extrusion operations.	Electric Machinery , Minneapolis <i>Brady Halvorson, Environmental Engineering, U of MN</i> - worked to find water reduction at a large motor manufacturer.	P2 as a Catalyst for Community Partnership <i>Christine Anderson, Pollution Prevention Coordinator, EPA Region 5</i>
4:05	SkyWater Technology Foundry , Bloomington <i>Brandon Noel, Electrical Engineering, U of MN</i> - researched how to optimize energy efficiency of air handling systems in semiconductor manufacturing.	DiasSorin , Stillwater <i>Yohanes Agustinus, Chemical Engineering, U of MN</i> - focused on ways to optimize water use in medical diagnostic devices manufacturing.	Smith Foundry , Minneapolis <i>Al Muntasar Al Busaidy, Mechanical Engineering, U of MN</i> - worked to improve air quality through process optimization.
4:25	Center for Energy & the Environment , Twin Cities <i>Leah Kunkel, Mechanical Engineering, St. Louis University</i> - worked with several small industrial facilities to increase energy efficiency.	Fulton Brewery , Minneapolis <i>Karl Wuolo-Journey, Chemical Engineering, U of MN</i> - researched ways to reduce waste and wastewater at a craft brewery.	Phillips Small Businesses , Minneapolis <i>Madeline Norgaard, Science, Technology, & Environmental Policy, U of MN</i> - worked with small businesses to improve air quality by using products & processes that eliminate hazardous air pollutants and VOCs.
4:45	Wrap-up: <i>Paul Pagel, MnTAP Senior Engineer & Intern Program Coordinator</i>	Wrap-up: <i>Laura Babcock, MnTAP Director</i>	Wrap-up: <i>Nathan Landwehr, MnTAP Waste Reduction Specialist and Intern Program Administrator</i>