



MnTAP FRP Newsletter

1 message

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Improving Efficiency in FRP Operations   

Now Seeking Applications for MnTAPs E3 in FRP Project

MnTAP is now looking for companies to participate in the E3 in FRP project. Each participating company will receive FREE:

- Pollution prevention (P2) assessment to identify opportunities to reduce waste and hazardous chemicals, save water, and make better use of your valuable raw materials.
- Energy Efficiency (E2) assessment to look for ways to save energy, run your plant efficiently, and reduce your utility bills.
- Lean Assessment to improve material flow, optimize floor space, and make the best use of your employees' time.
- Tips on the latest FRP techniques, equipment, and materials that can increase the efficiency of your operation.
- Technical assistance from MnTAP for implementation of recommended improvements.
- Financial and business consulting services from the [Minnesota Small Business Development Center](#) to help determine your best options for financing improvements.

If you are interested and would like to know more, take a look at MnTAP's [E3 in FRP website](#), or contact Jane Paulson at janep2@umn.edu or 612-624-1826. If you are ready to sign up, [click here](#) to complete an application!

A limited number of openings are available for this project. Companies will be selected based on potential waste and energy savings and demonstrated commitment to implementing recommendations. Applications will be accepted until all project slots are filled, but the final deadline is May 1, 2015. [Apply now](#) to improve your chances for participation!

Did you know...

49,600 gallons of rainwater could be collected from a 5,000 square foot rooftop in an average Minnesota summer? That is enough to flush 17 low-flow (1.6 GPF) toilets for an entire year!

Reusing rainwater is just one conservation strategy. Reverse osmosis reject water, air conditioner condensate, cooling tower blow-down, and on-site treated wastewater are all examples of water that could be used for irrigation, cooling tower makeup, toilet and urinal flushing, laundries, or any other use not requiring potable water.

Re-think your landscape. It takes 460,000 gallons to water a half acre of grass in a Minnesota summer.

- Do you really need all that grass? Check with your local nursery to see if they can recommend low or no water landscaping. You could save on mowing costs, too!

- Mulching around your current landscape will prevent water loss through evaporation.
- Installing weather based SMART irrigation controllers or water sensors can cut your irrigation water usage in half, saving more than \$1000 per year, and many cost less than \$250.

Improve your current system.

- Locate and fix leaks – a leak that drips at one drop per second can waste more than 3000 gallons per year.
- Update bathroom fixtures – if your toilet was made before 1995, it may not be a low flow toilet. A filled half gallon plastic container in the tank will save a half gallon of water for every flush, and 20 flushes per day would save 3600 gallons of water a year.
- Improve rinsing systems – a running hose can waste 8-12 gallons of water per minute. Optimize nozzle type for your application. Use high pressure low volume cleaning systems.

Rebates may be available on water saving items from toilets to weather-based irrigation controllers. [Check to see what kind of rebates are available in your area.](#)

Water audits are a great way to understand how your facility uses water and is the first step in identifying water savings opportunities. MnTAP has significant experience in evaluating process water uses, reducing or eliminating sewer availability charge (SAC) impacts, and optimizing water use. You might be surprised at the intersection of water and energy costs and what that means to the bottom line. [Contact MnTAP](#) for water audit assistance!

For more commercial and industrial water saving tips, check the EPA's [WaterSense website](#). A useful place to start for technology specific topics is the document [WaterSense at Work](#).

This is the sixth in a series of newsletters providing helpful tips on how to improve YOUR economic results, energy efficiency, and environmental impact! Stay tuned for the next newsletter which will focus on strategies to make the best use of your valuable raw materials.

Let us know if you are interested in getting involved in the E3 project, and send us your ideas for future newsletter topics! Contact Jane Paulson, MnTAP Senior Engineer, at janep2@umn.edu. If you are not the appropriate recipient for this email or if you know of additional people who should receive this communication, please send their email addresses to mntap@umn.edu.

The Minnesota Technical Assistance Program would like to thank the Minnesota Pollution Control Agency (MPCA) and the US EPA Office of Pollution Prevention for financial support of this project.



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