TURI
TOXICS USE REDUCTION INSTITUTE
UMASS LOWELL
Toxics Use Reduction Institute Newsletter
October 2017

Mark Richey Woodworking Hosts Demonstration, Wins Award

Mayor of Newburyport Donna Holaday, Treasurer of Mark Richey Woodworking Teresa Richey, Mark Richey, Rep. James Kelcourse and Joy Onasch, board member of the National Pollution Prevention Roundtable.

Mark Richey Woodworking hosted a demonstration event at its 100,000-square foot facility in Newburyport on Oct. 19 to showcase its sustainability projects to more than 30 companies, organizations and government officials.

"I feel very strongly that we should always be looking for ways to minimize our impact on the environment and our community because it is the right thing to do," said President Mark Richey of Mark Richey Woodworking during the tour. "If we can do it, other companies can too."

During the event, Newburyport Mayor Donna Holaday, State Rep. James Kelcourse and Joy Onasch of TURI presented Mark Richey with the 2017 MVP2 award from the National Pollution Prevention Roundtable. The award recognizes outstanding pollution prevention and energy efficiency projects on the state and local level.

"Mark Richey is an inspirational business leader who consistently looks for ways to improve efficiencies, reduce toxics and protect the environment and worker health," said Onasch of TURI.

Learn more about Mark Richey Woodworking's environmental accomplishments in the Office

Upcoming Events

Fall Continuing Education Conference
Thursday, Nov. 16 at the Holiday Inn, Taunton. Featuring keynote speaker William Flanagan, Director of Aspire Sustainability.
Learn more and register.

Nanotechnology Use and Implications Webinar
Thurs., December 7
Noon to 1 p.m.
Learn more and register.

Artificial Turf Alternatives Webinar
Tues., February 27
Noon to 1 p.m.
Learn more and register.

Spring 2018 Continuing Education Conference
Save the Date: Wed., April 25, Courtyard Boston, Marlborough.

Other Events of Interest

Chemical Safety and Climate Change Preparedness Training
Thursday, Nov. 2
Turner Falls

Striving for Zero Waste at Colleges and Universities Workshop
Monday, Nov. 6
Harvard University
Learn more.

of Technical Assistance's case studies:

- Toxics Use and Waste Reduction
- Renewable Energy and Energy Efficiency

Green Chemistry & Commerce Council (GC3) Geenbuild Networking Event
Tuesday, Nov. 7, 7:30 p.m.
Learn more and register.

William Flanagan is the Featured Keynote Speaker at TURI's Fall Continuing Ed Conference

Be sure to register for the Nov. 16th Continuing Education conference in Taunton to learn from the keynote speaker William Flanagan.

He led GE's Ecoassessment Center of Excellence for the past 10 years. GE formed the center to assess the environmental impacts of products throughout their entire lifespan, from raw materials extraction through reuse, recycling or disposal at the end of product life.

The team developed environmental life cycle management and life cycle assessment (LCA) strategies for over 40 product and technology categories in a wide range of industry sectors including healthcare, transportation, lighting, aviation, energy, additive manufacturing, advanced materials, and sustainable manufacturing.

In 2014, William Flanagan was awarded the Lifetime Individual LCA Leadership Award by the American Center for Life Cycle Assessment. He is currently Director of Aspire Sustainability.

What's the Business Case for Reducing Toxics?
TURI Report Featured in GreenBiz

The recent GreenBiz article, "The Right Chemistry: a business prescription for reducing toxic chemical use, authored by Rachel Massey of TURI, answers the question: what's the business case for reducing the use of toxic chemicals and investing in greener technologies?

The article highlights the successes of 12 Massachusetts companies in industries such as chrome plating, biotechnology, paintings and coatings, electronics, dry cleaning and auto body and repair shops.

Based on a TURI report Competitiveness Impacts for Massachusetts Businesses, the article documents each company's costs and savings as a direct result of toxics use reduction or resource conservation efforts. In addition to financial beneifts, some companies improved employee health and morale and increased recognition for their products and services.

For more information about this report and other examples of the benefits of toxics use reduction, contact Rachel Massey, Senior Policy Analyst.

Meet UMass Lowell Honors Students Gaining Experience at TURI

TURI hires UMass Lowell students to introduce the next generation to the concept of toxics use reduction. We are pleased to introduce you to this year's four students in the Honors College. The first three students are Honors Fellows who are working in the TURI Lab. The fourth student is working on information technology projects.

Chemistry major Lily Green, a sophomore from Brockton, chose the biological option because she has an interest in biochemistry, the medical field and how the two relate to one another. She is minoring in climate change and sustainability "because I am interested in the humanitarian and ecological aspect of climate change but also I want people to become aware of what is happening at a chemical level." In the TURI Lab, she is developing a case study for the Toxicology Working Group on halogen reaction toxicity with PVC and the alternatives.

Chemical Engineering major Ben Balian, a sophomore from Westford, studies the chemical aspect of engineering with respect to materials and understanding how they respond to different chemical exposures. After he earns his BS, he plans to get a master's in chemical engineering. "I hope to eventually work towards making the planet greener, whether that be in the field of alternative energy or doing something similar to what we do in the TURI Lab." His job responsibilities in the lab include working with the North Campus power plant and the EHS department to evaluate cleaners and potential alternatives.

Electrical Engineering and Physics major Cameron Hardie, a sophomore from Boston, is a double major. Once she graduates, she hopes to go to graduate school to study optoelectronics, which are small systems using light and other electromagnetic radiation to transfer faster and more reliable signals. In the TURI Lab, Cameron is working on "Do-It-Yourself" (DIY) all-purpose cleaning recipes and evaluating each cleaner's performance. She'll also be conducting a workshop at Lowell High School about DIY green cleaning. The high school students will make their own all-purpose cleaners and evaluate the performance of each.

Business major Zachary Fay, a freshman from Lakeville, is minoring in Management Information Systems because he hopes to have a career in IT when he graduates. At TURI, he's working on the website, using Google Analytics to track traffic and updating the P2OASys tool. "My favorite part about working at TURI is that I am gaining valuable IT experience while working for an institution that is working to protect the environment from toxic chemical use. I am a big advocate for environmental protection and I support organizations such as The Nature Conservancy."

TURI offers services & programs to reduce the use of toxic chemicals, energy and water while enhancing the competitiveness of Massachusetts businesses.

Visit us at our website, at Facebook, or at our offices on the UMass Lowell campus.

Toxics Use Reduction Institute, UMass Lowell, Wannalancit Mills,
600 Suffolk Street, Suite 501, Lowell, MA 01854