

MORA Annual Conference

Radisson Hotel ~ Branson, Missouri
June 6-8, 2011, Branson



MORA Keynote Speaker – Dr. Joseph Fiksel

Title: Harnessing Market Forces to Achieve Sustainable Materials Management



Dr. Joseph Fiksel is Executive Director of the Center for Resilience at The Ohio State University, an interdisciplinary research center. As a research faculty member in the Integrated Systems Engineering Department, he collaborates with companies, government agencies, non-profits, and other organizations to develop new methods and tools for understanding the interdependence among social, environmental, and economic systems. Joseph is also Principal and Co-Founder of the consulting firm Eco-Nomics LLC, and is an internationally recognized expert on sustainable business practices, including life cycle management, design for environment, and sustainable supply chain management. A native of Montreal, he began his career with DuPont of Canada, and subsequently worked for Arthur D. Little and Battelle. Currently he is Sustainability Advisor to the U.S. EPA Office of Research & Development.

Joseph was an officer and founding member of the Society for Risk Analysis, and has testified on health risk analysis issues before Congressional and White House committees. He has published over 70 refereed articles and several books, and is a frequent invited speaker at international business and professional conferences. His most recent book, *Design for Environment, 2nd Edition: A Guide to Sustainable Product Development*, was published by McGraw-Hill in 2009. Joseph holds a bachelor's degree from M.I.T., a doctorate in Operations Research from Stanford University, and an advanced degree in applied mathematics from La Sorbonne in Paris.

Workshops

Workshop #1 - 8 Hour Annual HAZWOPER Refresher Course

Monday, June 6 Time: 8:00 am – 4:00 pm

Instructor: Dave Epema, Environmental Scientist, Midwest Environmental Consultants Co.

OSHA requires that all employees that work at hazardous waste or Superfund sites or conduct emergency response activities must be trained to handle hazardous materials safely. This is usually referred to as HAZWOPER Training. The original course is either 24 or 40 hours in length. The training covers such topics as: Personal Protective Equipment, Air Monitoring, Spill Response, Hazardous Waste Handling, Respiratory Protection, Medical Monitoring, Exposure Limits, etc. In addition to the initial course, employees must receive refresher training annually. This course is being offered to meet the OSHA annual refresher mandate. At the conclusion of the course, attendees will receive a Certification of Training.

Workshop #2 – Identifying The Unknown

Monday, June 6 Time: 8:00 am – 12:00 Noon

Instructor: Bob Fletcher, Certified Environmental Trainer (CET) and Certified Hazardous Materials Manager

An introduction to basic techniques for identifying and categorizing unknown chemicals for safe disposal using DOT hazard classes. This is your chance to get straight-forward methods of quickly and safely processing unknown household hazardous wastes that can show up at collection sites. Materials that show up in a recycle stream can also create disposal and safety problems to you and your staff, so the more you know, the safer you can be.

Workshop #3 – Things That Go Boom!

Monday, June 6 Time: 12:30 pm – 4:30 pm

Instructor: Bob Fletcher, Certified Environmental Trainer (CET) and Certified Hazardous Materials Manager

Do you ever think that odd materials may find their way into your recycle stream? Learn how things can get out of hand - as well as mitigate risks - with unstable chemicals (and people), unfortunate situations, and discovered devices. A must-attend for first responders, school cleanout-staff, business inspectors and screeners, solid waste, recycle staff and chemists at HHW collection sites and events. Class is a very student instructor interactive session to get the maximum info from all that are attending.

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Tours

Tour #1: Waste to Energy; Waste to New Construction

Monday, June 6 Time: 8:00 am -12:30 pm

Sites: Noble Hill Landfill and Watershed Center at Valley Water Mill Park

The **Noble Hill Landfill Renewable Energy Center (NHLREC)** is a partnership of the City of Springfield and City Utilities that uses landfill methane gas to generate up to 3.2 megawatts of electric power – enough energy to serve over 2,000 utility customers! A \$40,000 stimulus grant from the Missouri Department of Resources will be used to determine the technical, environmental and economic feasibility of using a portion of NHLREC waste heat and electric power to power a large commercial greenhouse to be located on adjacent City property. If developed, the Renewable Energy/Sustainable Food greenhouse project would contribute to the region's locally-grown food supply and create new year-round "green" jobs in the region.

The **Watershed Center at Valley Water Mill Park** is a longtime vision of the Watershed Committee of the Ozarks and Springfield's environmental community. The site contains a microcosm of the Ozarks, including a small cave, losing stream, glade, forest, wet land and a 17-acre lake. Education stations offer opportunities for water quality research for students of all ages. The LEED certified Watershed Center is a model for sustainability, with built-in water and energy efficiencies, construction using recycled materials (thanks to a grant from Waste District O), a rain garden, pervious pavement/parking area, a karst window and a compost area.

Tour #2: Resort to Environmental Excellence

Monday, June 6 Time: 1:00-4:30 pm

Sites: Big Cedar Lodge/Blue-Green Wilderness Club

The **Bluegreen Wilderness Club™ at Big Cedar Lodge** is a family-friendly, 40-acre resort on Table Rock Lake. Patterned after the wilderness lodge architecture of the Adirondacks, the complex features a "green roof," recycling at all guest accommodations, energy and water efficiencies (such as the laundry facility) that save 10,000 gallons of water daily. The resort is landscaped with drought-resistant native plants requiring no fertilization, meaning no run-off into the lake. The tour also includes the lodge's composting facility, where organics are converted back to soil nutrients. The resort won a 2007 Good Earthkeeping Award from the American Hotel and Lodging Association, and was selected as one of "10 Green Hotels Worth a Visit" by MotherNatureNetwork.com

Tour #3: Zero Wasted Space

Wednesday, June 8 Time: 2:00 to 3:30

Sites: Branson Public Works Water Tower Office Complex

The **City of Branson Public Works** staff works under a lot of pressure -- eight million pounds of pressure to be exact -- sitting just above their offices in the Branson water tower. This unique structure was the fifth in the nation when it was completed in 2007. An example of environment, engineering, art and innovation, the City public works offices are located within circular concrete walls on four stories built underneath the water tower. This design reduced urban sprawl, and eliminated the costs of extending infrastructure and purchasing additional real estate, which are major costs in downtown Branson.

Visit www.MORA.org to find additional information regarding sessions and speakers, sponsorship and exhibiting opportunities, or to nominate a deserving individual or program for our annual recycling awards.

Important Dates:

Annual Awards Nomination Deadline: 4/8/11

Early Conference Registration Discount Deadline: 5/13/11

Hotel Registration Deadline - Group Rate Discount: 5/13/11

CONFERENCE HOTEL



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