

Autumn 2014

Ohio EPA Recognizes Encouraging Environmental Excellence Award Winners

The Encouraging Environmental Excellence program provides three different recognition levels: Bronze, Silver and Gold. Recognition provides Ohio businesses and other organizations with credit for completing environmentally beneficial activities, and an incentive to commit to future environmental stewardship efforts. Nominations may be self-submitted or submitted by a second party.

On September 24, during Ohio EPA's Compliance Assistance Conference, six companies were recognized with the Silver Award. Silver Award recipients have demonstrated a commitment to go beyond compliance, integrated outstanding environmental management into their core business functions and developed aggressive performance goals, including a process to communicate the company's environmental progress to the local community. The silver level is open to any business, industry, trade association, professional organization or local government of Ohio.

Washing Systems, Loveland – Washing Systems is the leading provider of environmentally sustainable products and services to the North American and European laundry processing industry. In 2007, the company introduced new laundry detergents that reduced the use of Nonylphenol Ethoxylates (NPE) in detergent formulations from 94 percent of its total detergent sales in 2007 to zero in 2013. Customers using this product line realized an additional benefit of increased production through using shortened wash cycles while reducing their energy and water consumption by an average of 15 percent. More recently, the company replaced two components that were petroleum-based with non-hazardous, biodegradable bio-based ingredients, making these products free of phosphates and other chemicals.



Director Butler with Washing Systems.

Kent Elastomer, Kent – Kent Elastomer manufactures tubing and dip-molded products for the medical marketplace. The facility identified energy savings and ways to purchase equipment and components to reduce energy. In addition, it reduced water use by 56 percent; minimized wasted energy in areas such as lighting, compressed air and chilled water by 20 percent; and saved 12 percent on heating costs and reduced the amount of material sent to landfills, reducing the number of industrial waste totes from a high of 284 per year to 104.

Kent Elastomer, Winesburg – The sister facility to Kent Elastomer in Kent, this company provides finishing operations, final inspection and shipping in support of the company's other two manufacturing facilities at Kent and Mogadore. The facility focused on reducing the amount it sends to landfills by implementing across-the-board efforts aimed to reduce, reuse and recycle any extra by-products from day-to-day operations at the facility. The facility went from a high of 260 industrial waste receptacles annually to the current level of 26.



Director Butler with Kent Elastomer.

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Saint-Gobain, Akron - Saint-Gobain Performance Plastics manufactures flexible tubing products at its Akron facility. Manufacturing includes extruded tubing, compounding, warehousing/distribution and light assembly. The facility used approximately 81.5 million gallons of water annually as cooling media for the process of extruding plastic tubing. The process water was then discharged to a small stream. By installing a semi-closed loop water system, the plant was able to reduce the plant's discharge water by 98 percent annually from the 2010 level.



Director Butler with Saint-Gobain.

MillerCoors, Trenton - The MillerCoors facility in Trenton is the second largest facility in MillerCoors' eight-brewery network. Worldwide, commercial brewers average 3.5 gallons of water to make one gallon of beer. Focusing on water use reduction, MillerCoors set a company record of 2.93 gallons of water used to make a gallon of beer. This figure was an average for a single month taken in December 2013. Between 2011 and 2012, the facility reduced air pollutants by 34 percent. In 2012, nutrient discharge of nitrates to the Great Miami River was reduced by more than 25,000 pounds compared to 2011. Toxic emissions were reduced from 197,257 pounds in 2011 to 96,755 pounds in 2012. MillerCoors also reuses and recycles more than 99 percent all co-products and recyclables. It achieved zero landfill status by sending minute amounts of trash to a waste-to-energy facility.



Director Butler with MillerCoors.

Sherwin-Williams, Breen Technology Center, Cleveland - The Breen Technology Center is responsible for developing innovative processes and products for the Sherwin-Williams architectural brands. Activities at the site include product development, coatings research, color technology and process engineering. Using 2007 as a baseline, the facility has reduced its environmental footprint by reducing trash to landfill by more than 1 million



Director Butler with Sherwin-Williams.

pounds and increased recycled/reused materials in excess of 2.6 million pounds. It increased its recycling rate from 9.5 percent in 2007 to 87 percent in 2012. In the last five years, the site reduced overall energy use with new and creative initiatives and, through increased electrical efficiency, it saved 2.3 million kWh, which equates to \$262,251 in savings. It also saved 26,960 million BTU of gas in five years.

Piqua's Industry Products Company (IPC) received a Bronze Award in July. The bronze level recognizes organizations committed to environmental excellence by reducing waste, improving efficiency and working continuously to improve as an environmental steward.

IPC was recognized for their recycling, energy efficiency, chemical review, by-product reuse, environmental management system and employee participation efforts. IPC has recycled 70 percent of its waste from 2012-2013, while some waste was incorporated in new products. Through rewiring and lighting replacement, they achieved an energy savings of approximately 36 percent, even with an increase of business. IPC alerts their customers of potential hazards by reporting chemical breakdowns and reviews all chemicals entering their operations. They encourage employee participation and training in order to reduce waste, and reuse scrap/waste for new production parts.

For more information about the Encouraging Environmental Excellence program and the three levels of recognition, visit epa.ohio.gov/ohioE3.aspx or call (800) 329-7518.

Apply Now for Recycling and Litter Prevention Grants

OCAPP's Recycling and Litter Prevention Program provides competitive grant opportunities for communities, local governments, businesses and nonprofit organizations to establish and implement recycling, recycling market development, litter prevention and scrap tire recycling programs.

Community Grant — available to Ohio local governments that propose to design and establish projects involved in the collection and processing of recyclable materials and litter prevention programs or projects.

Litter Management Grant — available to Ohio communities to implement litter collection and tire amnesty collection events. In addition, the grant program may support development and continuation of Keep America Beautiful (KAB) communities and their efforts to prevent litter.

Market Development Grant — available to Ohio businesses that propose to create the infrastructure necessary for successful markets of recyclable materials and related products.



Scrap Tire Grant — available to Ohio businesses, communities and non-profit organizations that propose to create the infrastructure necessary for successful markets of scrap tire materials and related products.

2015 Recycling and Litter Prevention Grant application process key dates

Feb. 2, 2015 - Applications due

April 2015 - Awards announced

July 2015 - Funding available

For questions regarding eligibility and funding criteria for any of these grant packages, please contact Chet Chaney at (614) 728-0043 or chet.chaney@epa.ohio.gov or visit epa.ohio.gov/ocapp/grants.aspx.

Electronic Monthly Operating Report Submittal Requirements for Public Water Systems

All public water systems (PWSs) must submit monthly operating reports (MORs) and should now be submitting them electronically via eDWR. The deadline for PWSs with populations less than 500 to be using eDWR was July 1, 2014. Systems not using electronic reporting, or not submitting MORs in the appropriate format or on time, will receive violations in accordance with Ohio Administrative Code rule 3745-83-01.

If you have not started using eDWR, you need to create an eBusiness Center account, apply for a personal identification number (PIN) and request the eDWR service with an association to your water system. For step-by-step instructions, go to epa.ohio.gov/ddagw/reporting.aspx or contact Brian Tarver at (614) 728-1740 or brian.tarver@epa.ohio.gov. For more information, and to receive regular updates, sign up for the Laboratory and/or Public Water System mailing list at ohioepa.custhelp.com/ci/documents/detail/2/subscriptionpage.

Proposed Grain Elevator Air Amendments

The U.S. EPA recently proposed amendments to the New Source Performance Standards (NSPS) Subpart DD for grain elevators. The Clean Air Act requires grain elevators with certain storage capacities to comply with these standards of performance. U.S. EPA is proposing these amend-

ments based on its 8-year review of the NSPS required by the Clean Air Act and in response to issues raised by the industry related to the treatment of temporary storage. In addition, U.S. EPA is proposing to clarify certain definitions and provisions in the existing requirements and add a new section to the rule that with requirements only for construction, modification or reconstruction beginning after July 9, 2014.



The proposed new section of the NSPS would include new emission limits for certain grain elevators, additional testing, monitoring, recordkeeping and reporting requirements, and different compliance requirements for startup, shutdown and malfunction. U.S. EPA also is proposing an additional method for determining to which facilities the rule would apply. Storage containers at an elevator classed as “temporary storage” would be counted at about one-third of traditional permanent storage capacity for determining rule applicability.

For details about the proposed amendments, contact Bill Schrock of the U.S. EPA at schrock.bill@epa.gov or visit www.epa.gov/airtoxics/nsps/grain/genspspg.html.

Compressed Air Pilot Project Identifies Cost and Energy Savings

Funded by a state energy grant, the Iowa Waste Reduction Center (IWRC) conducted a pilot project to identify and tag compressed air leaks, document associated energy loss and cost savings and provide corrective action recommendations. Equipped with ultrasonic detection equipment, IWRC environmental specialists conducted 25 audits at small businesses - auto body and manufacturing facilities - throughout Iowa. Total cost savings for all businesses surpassed \$49,000 and more than 600,000 kWh/year in energy savings is anticipated. For more information and to view the full results, visit iwrc.org/services/compressed-air/pilot-project/.

Pollution Prevention Conference coming to Cincinnati in January 2015

The Air & Waste Management Association and the National Pollution Prevention Roundtable are hosting the *2015 P2: Increase Profits Reduce Pollution* conference at the Kingsgate Marriott in Cincinnati on January 13 - 14, 2015.

The keynote speakers are Kevin Butt of Toyota, and Cam Metcalf and Robert Pojasek, noted P2 consultants. Sessions will cover air quality, water conservation, waste reduction, energy audits, chemical substitutions, public-private partnerships and green building applications for buildings and landscapes. For more information, visit awma.org/events-webinars/upcoming-events/p2/welcome.

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