

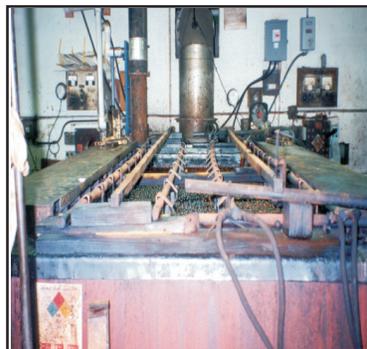
Autumn 2012

Chrome Plating NESHAP Rule Changes

On September 19, 2012, U.S. EPA issued the final rule changes under the "Residual Risk and Technology Review" for the Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks National Emission Standards for Hazardous Air Pollutants (NESHAP, Subpart N).

These changes include:

1. Additional "housekeeping" rules for plating and anodizing facilities (six months to comply).
2. The phasing out (over three years) of mist suppressants that contain PFOS (Perfluorooctane Sulfonate).
3. Lowering of the current emissions limits for new and existing plating operations.



U.S. EPA states in the rule discussion it believes the majority of plating operations already meet the new emission limits. The new emission limit rules include:

1. Existing large hard chromium limit lowered from 0.015 mg/dscm to 0.011 mg/dscm.
2. Existing small hard chromium limit lowered from 0.03 mg/dscm to 0.015 mg/dscm.
3. Existing decorative and anodizing chromium limit lowered from 0.01 mg/dscm to 0.007 mg/dscm.

4. In lieu of meeting emission limits, the current rule allows facilities to meet alternative surface tension limits of 35 dynes/cm (measured with a tensiometer) or 45 dynes/cm (measured with a stalagmometer). The new limits for surface tension are 33 dynes/cm (measured with a tensiometer) or 40 dynes/cm (measured with a stalagmometer).
5. For all new hard (large and small), decorative and anodizing lines, the emission limit is lowered to 0.006 mg/dscm.
6. Two years to comply with the emission limits.
7. No need to retest if previous test met the new emission limits and the facility is using the same controls.

For more information, please see www.gpo.gov/fdsys/pkg/FR-2012-09-19/html/2012-20642.htm and look for more information in future newsletters and at www.epa.ohio.gov/ocapp.

Composting Rule Change Supports Urban Gardens

Ohio EPA's new composting rules (OAC Chapter 3745-560), effective April 2, make it easier for households, community gardens and urban farms to compost materials from a variety of sources.

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Under a new regulatory exclusion, a community garden, or any person that composts in an aggregate area no larger than 300 square feet, and only accepts yard wastes, animal wastes, food scraps, bulking agents and additives, is not subject to registration, licensing and other requirements of composting regulations.

Furthermore, waste materials can be accepted from any source and the compost produced can be used in any location. In addition, the compost produced will not be subject to the testing requirements required for commercial composting facilities.



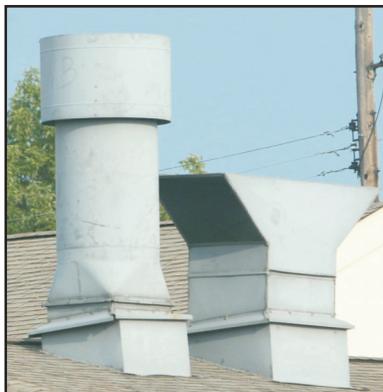
Source: Montgomery County MetroParks, Lucille Beachdell

For more information regarding this exclusion and other composting regulations, contact Ohio EPA's Division of Materials and Waste Management at (614) 644-2621 or www.epa.state.oh.us/dmwm/Home/Composting.aspx.

Air Permitting Basics Training Available Online

Recently, Ohio EPA's Office of Compliance Assistance and Pollution Prevention (OCAPP) offered a free webinar titled, *Air Permitting Basics*. This webinar covers the basic steps in evaluating whether a company's equipment and operations need an air permit, if it is exempt, and how to get a permit if needed.

The webinar also covered the types of permits available, including general permits, permit-by-rule options, and permits-to-install-and-operate (PTIO). Finally, it provided tips on completing permit applications, working



with Ohio EPA district offices, and where to get additional help.

To view slides from the presentation and listen to the recorded webinar, visit www.epa.ohio.gov/ocapp/train/tabid/6067/LiveTabId/126541/Default.aspx.

Five Receive Bronze-Level Recognition in Encouraging Environmental Excellence Program

Ohio EPA's Encouraging Environmental Excellence (E3) program targets those who reduce waste, improve efficiency and work to continuously improve as an environmental steward.

The program has a three-level approach to provide recognition to Ohio businesses and other organizations completing environmentally beneficial activities. The highest level of recognition is for those who exceed regulatory requirements or commit to future environmental stewardship efforts.

The bronze level is designed to recognize any entity completing environmentally beneficial activities. Any business, non-profit, government entity or other organization in Ohio may apply. Bronze-level participants must demonstrate significant progress in one of the following main criteria:

- Impact to the Environment (toxics and/or waste reduction); and/or
- Resource Conservation

Bronze-level participants must also demonstrate some level of progress in at least six of the additional criteria and submit a general statement regarding their environmental compliance standing.

Recently, five companies were recognized as a bronze-level participant in the E3 program during 2012.

GOJO Industries, Inc., Cuyahoga Falls

In 2011, GOJO achieved a 13 percent reduction in water usage, 20 percent reduction in hazardous waste generated, 12 percent reduction in solid waste generated, 15 percent reduction in greenhouse gas emissions and 15 percent increase in solid waste recycled.



GOJO is committed to sustainability and how it interacts with the environment; thus, the company is implementing an Environmental Management System (EMS) driven by its sustainability policy.

Washing Systems, LLC, Loveland

After two years of developmental work and field testing, Washing Systems developed the Pure Solutions Chemical Line for detergents, which is NPE (nonylphenol ethoxylate) free. As of December 2011, more than 90 percent of its customers have converted to these DfE-labeled (U.S. EPA Design for the Environment) detergents, which led to a reduction of more than 21.6 million pounds of NPE in their wastewater discharge.

Washing Systems also developed a detergent builder with natural-based, sustainable and biodegradable chelating agents to lower water hardness within a washer. This builder eliminates the use of phosphates and EDTA (ethylenediaminetetraacetic acid), which is a persistent organic with hazardous degradation products.

Multibase - A Dow Corning Company, Copley

In 2011, Multibase replaced HID metal halide and T12 fluorescent lighting with energy-efficient T8 fluorescent fixtures, including several equipped with occupancy/motion sensors. The new lighting uses 59 percent less electricity and has reduced electricity consumption by 16 percent and CO₂ by more than 200 tons per year. The estimated savings per year is \$40,000.

Multibase also recycles 14,500 pounds of plastic, 1,900 pounds of cardboard, 2,100 pounds of plastic film and 180 pounds of office paper each month.

Main Street Gourmet LLC, Cuyahoga Falls

Main Street Gourmet recycled nearly 80 tons of paper, plastic and metal in 2011, which reduced its solid waste generation by 50 percent. Main Street Gourmet uses proceeds from its recycling efforts to improve the recycling program.

Virtually all of its organic wastes, approximately 2,000 pounds per month, are composted and eventually sold as fertilizer.

Delaware North Companies Parks & Resorts at Geneva State Park, Geneva

Geneva State Park completed a facility-wide environmental stewardship program and environmental management system resulting in the annual recycling of an estimated 23,600 pounds of paper, plastic and other

items. Geneva State Park recycled 8,100 gallons of cooking oil that is made into other reusable products.

Geneva State Park also completed energy efficiency and water conservation retrofits that saved 13,162 kilowatts and 238,710 gallons annually.

For more information about the E3 program and the three levels of recognition, visit www.epa.ohio.gov/ohioE3.aspx or call (800) 329-7518.

Ohio Company Wins National P2 Award

On Sept. 19, Washing Systems LLC., received a 2012 Most Valuable Pollution Prevention (MVP2) award. The 2012 MVP2 awards, presented by the National Pollution Prevention Roundtable (NPPR), celebrated the successes of innovators in the areas of pollution prevention and sustainability. The MVP2 awards are presented annually during National Pollution Prevention (P2) Week. Since P2 Week became a national event in 1995, NPPR has been advancing pollution prevention awareness by encouraging and promoting widespread participation during this week.



The 2012 MVP2 recipients represent a broad range of backgrounds including federal government agencies, academia, industries, non-profits and individuals that have demonstrated significant accomplishments in pollution prevention.



Washing Systems was recognized for the following activities.

- This program is committed to developing chemistry that is both environmentally friendly and cost-effective.
- The Pure Solutions Chemical Line for detergents is entirely NPE free.
- Introduced a sustainable and biodegradable builder that lowers water hardness in a washer.
- Replaced two products that contained petroleum solvents with non-hazardous, biodegradable bio-based products.
- Reduced NPE in the environment by 21.6 million pounds

- Reduced the level of TKPP in the environment by 1.5 million pounds
- Reduced petroleum solvents in the environment by more than 100,000 pounds.

Washing Systems is also a bronze-level recipient in Ohio EPA's Encouraging Environmental Excellence program (see related story on page three).

For more information on the MVP2 Awards and NPPR, visit www.p2.org.

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