



COMPLIANCE & PREVENTION

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Area Source NESHAP Rules Issued by U.S. EPA

Area sources of air pollution, which are typically small businesses, are companies that emit, or have the potential to emit, less than 10 tons per year of any single hazardous air pollutant (HAP) or less than 25 tons per year of combined HAPs.



U.S. EPA issues federal regulations called National Emission Standards for Hazardous Air Pollutants (NESHAP) to control HAP emissions from targeted industrial processes.

Existing companies typically have 2 - 3 years to comply with the new requirements. New companies (i.e., those installed after the issued date of the rule) must comply with the new regulations upon startup.

NESHAP regulations for area sources affect smaller operations such as: metal and plastic parts coating; metal plating and polishing; auto body refinishing; metal parts fabrication; gas stations; and foundries. Many of the NESHAP regulations require affected companies to submit notification and compliance reports to U.S. EPA by prescribed deadlines.



KEY POINTS FROM THIS ISSUE

- Deadlines approaching for small business with hazardous air pollutant emissions**
- Newsletter transitioning to electronic**

You Can Make a Difference



In an effort to reduce costs and be more environmentally friendly, OCAPP is transitioning delivery of this newsletter from hard copy to electronic for as many readers as possible. We plan to transition all readers to electronic delivery by next summer, unless you inform us that you would prefer to receive a hard copy.

To make sure you stay on our distribution list, please send your e-mail address to Dave Foulkes at dave.foulkes@epa.state.oh.us or call him at (614) 644-3118 or (800) 329-7518.

** When replying through e-mail, please include 'Compliance & Prevention Quarterly' in the subject line.*

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Some of the NESHAP regulations and their respective reporting and compliance dates are summarized below.

Source Category	NESHAP Regulation Subpart	Issued Date	Initial Notification Due	Compliance Deadline
Paint Stripping & Surface Coating (includes autobody refinishing)	HHHHHH	Jan 9, 2008	Jan 11, 2010	Jan 10, 2011
Plating and Polishing	WWWWWW	July 1, 2008	Oct 29, 2008	July 1, 2010
Metal Fabrication and Finishing	XXXXXX	July 23, 2008	July 25, 2011	July 25, 2011
Gasoline Dispensing Facilities	CCCCCC	Jan 10, 2008	May 9, 2008	Jan 10, 2011
Nonferrous Foundries	ZZZZZZ	June 25, 2009	Oct 24, 2009	July 27, 2011

You can find copies of the regulations, notification forms and other information at U.S. EPA's Air Toxics Web site, www.epa.gov/ttn/atw/area/compilation.html. You can also contact the OCAPP hotline at (800) 329-7518 for more information.

New Industrial Storm Water Permit Guide

In collaboration with U.S. EPA's Office of Water and Office of Compliance and Enforcement, the Printers National Environmental Assistance Center created the *Industrial Stormwater Permit Guide*. Companies can use the guide to better understand federal storm water regulations and the options available for compliance. Three lessons are included in the guide:



- background and applicability of storm water regulations to businesses;
- permitting options and requirements; and
- no exposure certification provisions.

You can view the guide at www.pneac.org/stormwater/.

New Materials Use and Profitability Software Tool

Northeast Waste Management Officials' Association and the Massachusetts Office of Technical Assistance recently released the materials use and profitability software tool called Energy & Materials Flow & Cost Tracker (EMFACT™).

EMFACT™ is designed to be used within companies for systematically tracking:

- materials and energy use;
- releases, discharges and wastes; and
- associated costs in ways that can create value for their business.

The tool can provide a comprehensive picture of resource use and its relation to production and planning that can help improve both business and environmental performance.

EMFACT™ addresses the need and opportunity for manufacturers to more effectively implement

environmental management accounting as a key tool to aid in setting pollution prevention priorities, identifying value-added opportunities for sustainable production, and implementing materials and energy efficiency improvements. EMFACT™ can be a useful adjunct for compliance assurance, quality management, lean manufacturing, environmental management systems, productivity and resource efficiency improvements, and preventing accidents and losses.

For more information and to download EMFACT™, visit www.newmoa.org/prevention/emfact/register.cfm.

Voluntary Program Helps Supermarkets Save Money and Reduce Greenhouse Gases

The GreenChill Advanced Refrigeration Partnership is a voluntary program designed by U.S. EPA to reduce the use of ozone-depleting refrigerants in the nation's grocery stores. The program now includes more than 6,500 stores in 47 states. In 2008, partners reduced their aggregate total emissions by 8.5 percent.



Compared to the supermarket industry as a whole, GreenChill partners emit significantly fewer ozone-depleting refrigerant emissions and green-

house gases, and save money at the same time. U.S. EPA officials estimate that if all U.S. supermarkets reduced emissions to the current GreenChill average, the nation could prevent the equivalent of 22 million metric tons of carbon dioxide emissions each year — equal to the annual emissions from more than 4 million cars. This carries a cost savings of \$108 million in refrigerant expenses annually.

To highlight the program's top-performing participants, GreenChill recently implemented a Store Certification Awards Program. This component recognizes retail



stores that achieve at least a 50 percent reduction in refrigerant charge and a 75 percent reduction in refrigerant emissions, resulting in either gold- or silver-level certification. To date, seven stores have been awarded GreenChill gold, and three stores have been awarded the silver.

For more information about GreenChill and the certification program, visit www.epa.gov/greenchill/index.html.

Five Win Green Chemistry Award

The Presidential Green Chemistry Challenge Awards Program is a competitive incentive to create environmentally preferable chemicals and chemical processes. Each year U.S. EPA celebrates innovative, award-winning technologies developed by high-quality nominees. Five of the

more than 90 entries were nationally recognized on June 22, 2009, at an awards ceremony in Washington, D.C.

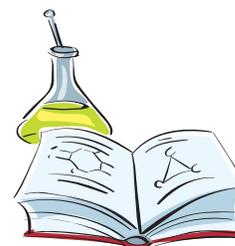


The Procter &

Gamble Company, based in Cincinnati, received a *Designing Greener Chemicals Award* for developing a new paint formulation. Conventional oil-based "alkyd" paints provide durable, high-gloss coatings but use hazardous solvents. Procter & Gamble and Cook Composites and Polymers are developing Chempol® MPS paint formulations using bio-based Sefose® oils to replace petroleum-based solvents.

Sefose® oils, made from sugar and vegetable oil, enable new high-performance alkyd paints with less than half the solvent. Paints with less hazardous solvent will help improve worker safety, reduce fumes indoors as the paint dries and improve air quality.

For more information about the awards program, past and current award recipients, visit www.epa.gov/greenchemistry/pubs/pgcc/past.html.



Need Help?

Ohio EPA's Office of Compliance Assistance and Pollution Prevention is a non-regulatory program and one-stop location for information about environmental requirements, compliance concerns and pollution prevention. Services are free. Contact us at (800) 329-7518 or (614) 644-3469.

How You Can Make a Difference

You can make the publication of *Compliance and Prevention Quarterly* more environmentally friendly. E-mail the Office of Compliance Assistance and Pollution Prevention at p2mail@epa.state.oh.us to request that we send you an electronic copy, an Adobe Acrobat PDF file or a message that indicates the newest version is now available on the Web. It's that easy to make a difference.

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