



# COMPLIANCE & PREVENTION

## quarterly

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### Ohio EPA to Change How it Regulates Small Air Pollution Sources

In May 2006, Governor Taft signed Senate Bill 265 (S.B. 265) into law. This law requires Ohio EPA to change how it regulates small air pollution sources. The changes require Ohio EPA to write regulations to address the following areas.



- List toxic air contaminants that Ohio EPA will regulate, in addition to those already on the federal list of hazardous air pollutants (HAP), and provide the scientific basis for doing so.
- List activities that do not, by themselves, constitute “beginning actual construction.” The final rule must allow companies to begin certain construction activities (for example: grading and land clearing, building foundations, installing electrical and other utility connections) prior to the issuance of an installation permit, as long as the permit application is complete and Ohio EPA has been notified.

#### KEY POINTS FROM THIS ISSUE

- Do changes to Ohio’s air rule affect you?
- Central Ohio’s third annual Green Building Expo on September 12th

- Spell out Best Available Technology (BAT) requirements for equipment required to obtain an installation permit. In addition, industrial facilities that emit no more than 10 tons of air pollutants annually will not be required to install BAT to control emissions.

In addition, Ohio EPA cannot impose additional permit requirements when a specific monitoring, record-keeping, or reporting requirement is already established for that type of pollution source in federal regulations or state rules unless agreed to by the owner or operator and Ohio EPA.

To address these requirements, the Division of Air Pollution Control (DAPC) has drafted two new rules, Ohio Administrative Code (OAC) rule 3745-114-01 (the list of regulated toxic air contaminants) and 3745-31-33 (the definition of “begin actual construction”).

DAPC has solicited comments from interested parties on both rules. In addition to the interested party review, Ohio EPA will hold a public hearing and offer another public comment period before finalizing the new rules. For more information, visit the following links:

DAPC Air Pollution Regulations  
[www.epa.state.oh.us/dapc/regs/regs.html](http://www.epa.state.oh.us/dapc/regs/regs.html)

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OAC 3745-114-01 - Toxic air contaminants  
[www.epa.state.oh.us/dapc/regs/3745-114/114-01.pdf](http://www.epa.state.oh.us/dapc/regs/3745-114/114-01.pdf)

OAC 3745-31-33 - Site preparation activities prior to obtaining a final permit-to-install  
[www.epa.state.oh.us/dapc/regs/3745-31/3745-31-33IP.pdf](http://www.epa.state.oh.us/dapc/regs/3745-31/3745-31-33IP.pdf)

Amended Substitute S.B. 265, 126<sup>th</sup>  
 General Assembly  
[www.legislature.state.oh.us/BillText126/126\\_SB\\_265\\_PS\\_Y.pdf](http://www.legislature.state.oh.us/BillText126/126_SB_265_PS_Y.pdf)

## OCAPP Publication & Resource Update



*Environmental Compliance Self-Assessment Guide for Small Businesses* (Update)  
[www.epa.state.oh.us/ocapp/sb/publications/selfgde.pdf](http://www.epa.state.oh.us/ocapp/sb/publications/selfgde.pdf)

*So You Want to Start a Business . . . What Ohio EPA Needs to Know to Help Get You Pointed in the Right Direction*  
[www.epa.state.oh.us/ocapp/sb/publications/startup.pdf](http://www.epa.state.oh.us/ocapp/sb/publications/startup.pdf)

*Running a Boarding Kennel? Know Your Ohio EPA Regulations . . .*  
[www.epa.state.oh.us/ocapp/sb/publications/kennel.pdf](http://www.epa.state.oh.us/ocapp/sb/publications/kennel.pdf)

*Ohio EPA Resource Guide* (Update)  
[www.epa.state.oh.us/ocapp/sb/publications/resguide.pdf](http://www.epa.state.oh.us/ocapp/sb/publications/resguide.pdf)

*Understanding the Asbestos Notification Requirements for Facility Demolition and Renovation Activities*  
[www.epa.state.oh.us/ocapp/sb/publications/AsbestosNotification.pdf](http://www.epa.state.oh.us/ocapp/sb/publications/AsbestosNotification.pdf)

*Permit-by-Rule for Air Pollution Sources*  
[www.epa.state.oh.us/dapc/pbr/PBRFactsheet.pdf](http://www.epa.state.oh.us/dapc/pbr/PBRFactsheet.pdf)

*Permit-by-Rule User's Guide for Small and Mid-size Printing Facilities*  
[www.epa.state.oh.us/dapc/pbr/PBRPrintguide.pdf](http://www.epa.state.oh.us/dapc/pbr/PBRPrintguide.pdf)

*Mercury in the Household* (Update)  
[www.epa.state.oh.us/ocapp/p2/mercury\\_pbt/mercur.pdf](http://www.epa.state.oh.us/ocapp/p2/mercury_pbt/mercur.pdf)

*Laboratory Pollution Prevention* (Update)  
[www.epa.state.oh.us/opp/Fact16\\_web.pdf](http://www.epa.state.oh.us/opp/Fact16_web.pdf)

Ohio EPA's second compliance assistance conference proceedings. March 23, 2006  
[www.epa.state.oh.us/ocapp/ca\\_conference/](http://www.epa.state.oh.us/ocapp/ca_conference/)



## Ohio Green Building Activity

### Upcoming Green Building Expo

Columbus Green Building Forum is organizing Central Ohio's third annual Green Building Expo on Tuesday, September 12th from 10 a.m. to 6 p.m. at The Columbus Athenaeum located at 32 N. Fourth St. in Columbus.

The Expo will showcase the latest in environmentally conscious building products and sustainable design solutions for commercial construction. The focus this year is to expand the green building dialog to green manufacturing opportunities and practices. Conference organizers feel that this discussion is most relevant today as Ohio faces the loss of more manufacturing jobs to overseas workers. The traditional audience of building industry professionals will be expanded to include the Central Ohio business community.

There will be educational seminars focusing on green design strategies and green business development. Last year, the Expo attracted close to 50 exhibitors and 600 attendees, including students, architects, interior designers, engineers, facility managers, building owners, developers, and government officials.

This year, the Expo will include a keynote speech by Gunter Pauli, a world-renowned social entrepreneur who developed a model for creating "zero emission manufacturing" — factories that completely eliminate waste by reusing or recycling all the raw materials they take in. Pauli founded and directs the Zero Emissions Research Initiative (ZERI) of the United Nations University in Tokyo, redesigning manufacturing processes into non-polluting clusters of industries. ZERI uses Pauli's model to support business, architecture, ecology

and agriculture projects all over the world. Pauli's research led to the first zero emissions industrial park in Chattanooga, Tennessee.

This year's conference is getting a renewable energy offset donated by Renewable Choice Energy, Inc. ([www.renewablechoice.com](http://www.renewablechoice.com)). This means that all carbon emissions from attendee travel and facility use will be offset by donation of wind energy credits to the national grid. For more information, visit [www.cgbf.org/](http://www.cgbf.org/) or write to [expoinfo@cgbf.org](mailto:expoinfo@cgbf.org).

### Putnam County School Saves with Geothermal System

Three years ago, the Ottoville School District opened a new 131,510-square-foot K-12 building with an innovative geothermal heating and air-conditioning system. The district did not have access to natural gas for the building and wanted an alternative way to heat and cool that would save money.

Geothermal systems harness heat from the ground to warm a building in the winter. In warm weather, hot air from the building is pulled through a heat exchanger into the ground. The district drilled 184 wells that allow it to tap into the heat in the ground. Electric heat pumps then circulate the air in each classroom.

Normally, most Ohio schools spend \$1.50 to \$1.75 per square foot each year for heating costs. Ottoville, using geothermal energy, spends about 70 to 75 cents per square foot. The up-front construction costs were slightly higher than a conventional heating system, but the district made up the difference within about six months of operation. They are now saving around \$100,000 per year.

The system's success prompted the district to host a geothermal symposium, "Making the Grade: Geothermal Heat Pumps in School," on June 14, sponsored by Touchstone Energy Cooperatives of Ohio. With more than 200 representatives, the symposium included superintendents, school boards, legislators, private schools, facility managers, architects and construction managers.

For more information, visit [www.makingthegrade.coop/index.html](http://www.makingthegrade.coop/index.html).

Source: Excerpts taken from an article titled, *Geothermal school sparks interest - Ottoville district's savings will be the focus of talks*, written by Jennifer Feehan, staff writer for The Blade of Toledo, Ohio. The complete article was published June 13, 2006.

### Melink Corporation's New Green Building

In May, Melink Corporation hosted a grand opening for its 30,000 square-foot headquarters, located just east of Cincinnati, Ohio after the company's president, Steve Melink, decided to consolidate operations into one location.

Melink provides HVAC products and services for restaurant, supermarket and retail chains. When researching options for the new facility, Mr. Melink and his team were committed to designing and building a leading-edge facility. This spring, the building earned a LEED 'gold' certification from the U.S. Green Building Council.

Some of the green design features of the new headquarters include:

1. geothermal variable-speed pump;
2. high-performance envelope including the roof, walls, and windows;
3. natural lighting and passive ventilation strategies;
4. indoor air quality controls;
5. sub-metering of electrical loads;
6. photo-voltaic solar power generation;
7. netmetering capability to send power back to the electrical grid;
8. dual flush toilets and waterless urinals; and
9. recycling systems.



Preliminary analyses of utility bills confirm the building's energy and water efficiency. Melink will continue monitoring usage and benchmark its performance against other commercial buildings on a per square foot and per person basis. "Our goal is to squeeze as many amps and gallons out of this building as possible," adds Mr. Melink. "Ultimately, we want to strive for a zero energy building and totally eliminate our dependence on rising utility rates."

Source: Melink Spring 2006 Newsletter  
[www.melinkcorp.com/documents/FreshAir-GrandOpeningfinal.pdf](http://www.melinkcorp.com/documents/FreshAir-GrandOpeningfinal.pdf)

## 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](mailto: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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