

# Air Compliance News™

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*From the Desk of...*

## Robert Sava

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Air Compliance Testing, Inc.*

### The Mercury is Falling

After a mild fall, winter is here and the temperatures are falling. The mercury in your thermometer may be all but invisible some mornings. Like the mercury in your thermometer, mercury in air emissions is also dropping, thanks to new regulatory requirements like the Clean Air Mercury Rule (CAMR).

In just a few short months, all coal-fired utilities will be required to begin measuring and reporting their mercury emissions. Air Compliance Testing now offers a low-cost RATA-proven alternative for a Continuous Mercury Monitor (CMM) – our new Ohio Lumex RA-915+/RP-M324 Appendix-K Mercury Analyzer.

The RA-915+/RP-M324 mercury analyzer is designed for quick, accurate, interference-free, direct analysis of sorbent traps in the field or laboratory following the protocols of CFR 40 part 75 Appendix K. It can analyze samples from 5 to 250,000ng in minutes with no sample preparation, no compressed gases, and no chemical wastes. As an alternative to the purchase of a continuous emission mercury monitor, this system together with a probe and sampling console allows full compliance with the impending measurement requirements, and can be used to analyze sorbent traps from wet and dry stacks. This analyzer is also a valuable tool as a backup system for utilities that choose to monitor their mercury emissions with a continuous monitor.

So as the mercury drops outside and in the regulatory world, we're ready to help you demonstrate compliance... whether it's cold outside or not.



## New from

### Air Compliance Testing

#### Air Compliance Testing Offers On-Site Gas Chromatograph (CG) Services

Air Compliance Testing has purchased a Hewlett Packard Model 5890 Series II Gas Chromatograph. The instrument is set up with multiport gas sampling valve and HP 7673B autosampler with the capability of splitting the sample and sending to two separate detectors. These detectors can be identical (*for additional sample QA purposes*), or different to analyze for different compounds.

This technology will be able to target and separate Sulfur compounds (*EPA Method 15*), Hydrogen (*ASTM-D1946 GC Analytical Method*), Argon, Oxygen, light hydrocarbons, Carbon Monoxide, Hydrogen, Helium, PCB's, distillates, some oils, semivolatiles, pesticides, multiple other hydrocarbons, oxygenates, and others.

We can provide this service both in the laboratory and out in the field for real-time results. For questions about the capabilities of this instrument, contact Tate Strickler (*Laboratory Manager*) at Ext. 235 or Robert Sava (*Technology Development Manager*) at Ext. 230.

#### Air Compliance Testing Earns CCX Approved Verifier Status for Ozone Depleting Substances

As noted last quarter, Air Compliance Testing had applied to the Chicago Climate Exchange® (CCX)® to qualify as an Approved Verifier. The application was accepted and the first verifications are underway.

The CCX is the world's first and North America's only active voluntary, legally binding integrated trading system to reduce emissions of all six greenhouse gases (GHG). Projects must obtain independent verification by a CCX approved verifier. Verifiers use information provided by the project owner or aggregator and site visits, if needed, to accurately assess a project's actual, annual GHG sequestration or destruction.

Go to [www.chicagoclimatex.com](http://www.chicagoclimatex.com) for more information.



## EPA Regulatory Plan and Semiannual Regulatory Agenda

On December 10, 2007, EPA published its Annual Regulatory Plan and Fall Agenda. The Regulatory Plan describes 30 of the most significant regulations it plans to issue by next October. The Agenda describes over 300 actions under development or review, as well as those completed or withdrawn since the Spring 2007 agenda was published.

You can review the document online at [www.epa.gov/lawsregs/search/regagenda.html](http://www.epa.gov/lawsregs/search/regagenda.html), or request a hard copy by sending an email to [nscep@bps-lmit.com](mailto:nscep@bps-lmit.com). (E-mail requests should include the requestor's name and address and display "Regulatory Agenda Hard Copy" in the subject line.)

## Energy Efficiency Resource for Manufacturers

The manufacturing sector uses more power than any other sector in the U.S. economy. High energy costs combined with efforts to maintain a strong position in the global marketplace have motivated industry to reduce costs wherever possible. A new Web site announced on Dec. 5, [www.energyquickstart.org](http://www.energyquickstart.org), provides manufacturers with a comprehensive listing of energy efficiency and conservation resources. The information on the site can help them develop practical energy management programs that will increase competitiveness and reduce overall costs.

Energy Quick Start was developed and implemented by the Superior Energy Performance partnership, a public-private collaboration that includes representatives from U.S. industry, the U.S. Department of Energy (DOE), EPA, the National Association of Manufacturers (NAM), the National Institute of Standards and Technology (NIST), and the American National Standards Institute (ANSI).

## EPA Reviews Lead NAAQS

On December 5, 2007, the Environmental Protection Agency (EPA) released an Advance Notice of Proposed Rulemaking (ANPR) as part of its review of the National Ambient Air Quality Standards (NAAQS) for lead.

The ANPR is not a proposed rulemaking. The purpose of the ANPR is to invite comment from the Clean Air

Scientific Advisory Committee (CASAC) and all interested parties on a wide variety of issues, including policy options, related to the agency's ongoing review of the lead NAAQS - before the agency issues its proposal.

Specifically, EPA is seeking comment on the adequacy of the current lead NAAQS, on potential revisions to the standard, and on questions raised with regard to maintaining a NAAQS for lead. In addition, the ANPR invites comment on issues regarding ambient air quality monitoring for lead including sampling and analysis methods, network design, sampling schedule, and data handling methods.

The United States has made tremendous progress in reducing lead concentrations in the outdoor air. Average lead concentrations in the air have dropped a dramatic 96 percent since 1980, primarily as a result of the ban on lead in motor vehicle gasoline. Also, since the late 1970s, blood lead concentrations for children ages one to five have dropped significantly, from about 15 micrograms per deciliter ( $\mu\text{g}/\text{dL}$ ) to less than 2  $\mu\text{g}/\text{dL}$ .

EPA will accept comment on the ANPR for 30 days after publication in the Federal Register.

EPA will propose whether to revise or retain the current lead standards no later than May 1, 2008, with a target date of March 2008, and take final action by September 1, 2008, pursuant to a court order.

More about the lead NAAQS rulemaking:  
[www.epa.gov/ttn/naaqs/standards/pb/s\\_pb\\_cr\\_fr.html](http://www.epa.gov/ttn/naaqs/standards/pb/s_pb_cr_fr.html)

## EPA Receives Award

EPA received the federal government's highest honor in December for strong and effective management – the President's Quality Award for Management Excellence.

Of 54 federal agencies that applied for the award, EPA was only one of two applicants for the highest tier of the award – for Overall Management – and the only winner.

EPA was honored for its success in integrating management systems identified under the president's five Government-wide Management Initiatives. These initiatives focus on Strategic Management of Human Capital, Budget and Performance Integration, Expanded Electronic Government, Competitive Sourcing, and

Improved Financial Performance. They are designed to enhance service to the American people by creating a government that is citizen-centered, results-oriented and market-based.

The Presidents Quality Award was established in 1988 to recognize excellence in quality and productivity, applying to the public sector similar criteria used for the Malcolm Baldrige National Quality Improvement Awards. In 2002, the award was redesigned to recognize Federal agencies that best achieve the objectives of the President's Management Agenda.

For more information about EPA's performance management activities, go to: [www.epa.gov/ocfo/](http://www.epa.gov/ocfo/)

## Ohio EPA's STARShip Replaced

On June 30, 2008 the Ohio EPA, Division of Air Pollution Control will make a new service available on the Agency's eBusiness Center called "Air Services". This Web-based software will replace the functionality of the existing STARShip software. Letters were sent in the end of January to TitleV and Synthetic Minor TitleV facilities to announce this and answer some additional questions regarding this transition. STARShip files will be accepted through the close of business on June 13, 2008.

Because the original release date (*March 2008*) of the new software was originally so close to the established reporting deadline for Fee Emission reporting (*April 15*), DAPC extended the deadline to June 6, 2008 for the 2007 reporting year only. This due date will remain even though the new software will not be ready by that date.

More information can be found at:  
[www.epa.state.oh.us/dapc/airservices](http://www.epa.state.oh.us/dapc/airservices)

## EPA Enhances Public Participation Opportunities

EPA has added new features to one of its most popular Web sites for environmental regulatory information. This site – titled "Laws, Regulations, Guidance and Dockets" - is often the public's first exposure to EPA's regulatory activities. Its user-friendliness has been enhanced with easily accessible ways to search and comment on EPA regulations and significant guidance documents, and to learn how environmental regulations are written. The site also includes new sections for finding regulations and related documents, plus regulatory history, statutory

authority, supporting analyses, compliance information, and guidance for implementation. Also, for the first time, searches for regulatory information can be conducted by environmental topics, such as water or air, or by business sectors, such as transportation or construction.

The new site is easily accessible from EPA's homepage and can be found by choosing "Laws, Regulations, Guidance & Dockets" from the left-hand navigation bar.

See the new site: <http://www.epa.gov/lawsregs/>

## NSR Rule Clarification

EPA issued a final rule on December 14, 2007 to clarify when industrial facilities making changes to equipment or processes may need to retain records documenting their emissions even if the changes do not trigger Clean Air Act New Source Review (*NSR*) permitting requirements.

The rule clarifies when facilities must keep records and report emissions when a "reasonable possibility" test shows that projected emissions increases could equal or exceed 50 percent of the Clean Air Act's NSR significant levels for any pollutant. This rule does not change permitting requirements.

The "reasonable possibility" test examines the difference between a project's baseline emissions and the sum of emissions projected to result from the project and emissions attributable to independent factors such as growth in market demand.

NSR significant levels are pollutant-specific emission rates (*in tons per year*) that are used to determine when a project is subject to NSR permitting requirements. Today's rule will help EPA and state and tribal permitting authorities track projects, using information on emissions that could exceed significant levels.

On the web: [www.epa.gov/nsr/actions.html](http://www.epa.gov/nsr/actions.html)

Any sufficiently advanced technology is indistinguishable from magic.

~ Arthur C. Clarke



# Air Compliance News™

## Our Mission Statement:

To be a high quality provider in the Environmental Services Industry that is focused on growth and on diversification through new products and acquisitions.

## Our Core Values:

Customer Satisfaction  
Rigorous Attention to Detail  
Continuous Improvement  
Employee Empowerment and Accountability  
Flexibility

## Upcoming Events...

- **Manufacturer's Education Council's 17th Annual Business & Industry's Environmental, Health and Safety Symposium** Wednesday & Thursday, March 26-27, 2008, Duke Energy Center, Cincinnati. Go to [www.mecseminars.com](http://www.mecseminars.com) for more information.  
Please stop by our booth to say hello!
- **2008 Ohio Safety Congress & Expo**, Tuesday –Thursday, April 1-3 in Columbus Ohio.  
For details, go to [www.ohiobwc.com/employer/programs/safety/SafetyCongress.asp](http://www.ohiobwc.com/employer/programs/safety/SafetyCongress.asp)

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## Excellence in Emission Testing

- ⇒ Source (Stack) Testing
- ⇒ FTIR Analysis Services
- ⇒ CEMS Testing and Maintenance
- ⇒ OSHA Compliance Monitoring
- ⇒ Dispersion Modeling
- ⇒ Lab/GC Analysis Services

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