

Winter 2014

Stage II Vapor Recovery System Decommissioning Rules Adopted

Ohio EPA recently finalized rule amendments to allow decommissioning and removal of Stage II vapor control systems at gasoline dispensing facilities (GDFs). Since 1993, Stage II systems have been required at GDFs in the Cleveland, Akron, Dayton and Cincinnati areas to help reduce ground-level ozone pollution by capturing the gasoline vapors that escape during the filling of vehicle fuel tanks.



Vehicles of model year 2006 and newer have on-board vapor recovery systems to capture these vapors, and the prevalence of these newer vehicles in the fleet now makes Stage II systems unnecessary. The rule amendments to OAC 3745-21-09(DDD) became effective on Jan. 17, 2014, and include these significant changes.

1. Remove the Stage II vapor recovery system requirements for new GDFs installed statewide provided they are equipped with low permeation hoses;
2. Provide existing GDFs a three-year timeframe (Jan. 17, 2014 to Jan. 1, 2017) to decommission their Stage II systems;
3. Specify decommissioning procedures, requirements to notify Ohio EPA 14 days before and 30 day after decommissioning, and onsite recordkeeping requirements for low permeation hoses.

To view the entire rule, go to www.epa.ohio.gov/portals/27/regs/3745-21/3745-21-09_Final.pdf.

Existing GDFs with Stage II equipment must maintain and keep their systems operational, including replacing components for maintenance and any testing requirements, until the equipment is properly decommissioned. If nozzles, hoses, vacuum-assist pumps or other components need to be replaced prior to decommissioning, you must continue to use Stage II-compatible parts and accessories that are certified for use

with your type of system until decommissioning is complete. Ohio EPA and local air agencies will continue to conduct routine Stage II inspections at GDFs through 2016 to ensure that, prior to decommissioning, the equipment is operational and properly maintained.

Please note that all requirements for Stage I vapor control equipment, which captures the vapors during bulk delivery of gasoline to underground storage tanks, remain in effect.

For more information, contact your Ohio EPA district office or local air agency. See map and directory at www.epa.ohio.gov/dapc/general/dolaa.aspx.

Upcoming Reporting Deadlines

March 1 - Emergency Planning and Community Right-to-Know (EPCRA) Annual Reports

You may be required to complete reports under the EPCRA regulations if your company is subject to OSHA's Hazard Communication Standard and you use, produce or store the following substances:

- 10,000 pounds or more of a hazardous chemical;
- or
- the reportable threshold (one to 500 pounds, depending on the substance) or more of an extremely hazardous substance.

A hazardous chemical is any chemical covered by OSHA's Hazard Communication Standard. While there isn't a specific listing of hazardous chemicals, the list includes any chemical

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or chemical mixture that exhibits hazardous characteristics. Hazardous characteristics include health, fire or reactivity hazards or the potential for a sudden release of pressure. Hazardous chemicals include gasoline, diesel fuel, paints, solvents and other chemicals.



An extremely hazardous substance is any one of 359 chemicals on a specific list in U.S. EPA's regulations. Examples of extremely hazardous substances include chlorine, ammonia and nitric acid. View the list at www.epa.ohio.gov/portals/27/serc/EHS.pdf. If your company handles either hazardous chemicals or extremely hazardous substances in greater than threshold quantities, you must file a report to the State Emergency Response Commission (SERC), your county's local emergency planning committee and your local fire department by March 1. For more information about this reporting requirement, contact Ohio EPA's Right-to-Know Office at (614) 644-2260 or visit www.epa.ohio.gov/dapc/serc.aspx.

April 15 - Synthetic Minor Title V Fee Emission Report and Emissions Inventory

All facilities that have synthetic minor permits or "FEPTIOs" must submit the annual Fee Emission Report (FER) by April 15. (Note: Facilities choose to have synthetic minor permits to avoid more complex Title V permit requirements. Facilities with Title V permits must also submit an annual FER by April 15.) The report covers emissions during the 2013 calendar year. If the facility completed a report last year, but did not fully develop the facility profile (i.e., a stack or fugitive release point (egress) for each emissions unit), the profile must be updated with egress information to complete the emissions inventory portion of the report.

The report must be submitted electronically through Ohio EPA's eBusiness Center Air Services application. For instructions and more information about completing the report, go to www.epa.ohio.gov, click on *Do Business* in the top banner, select *Answer Place*, and enter keyword "2013 FER/EIS" in the search box. For more information about the synthetic minor fee program, visit www.epa.ohio.gov/dapc/synmin.aspx.

April 15 - Non-Title V Air Emissions Report

If your facility received a blue 2012/2013 Non-Title V Air Emissions Report in the mail, your emission report is due to Ohio EPA by April 15, 2014. This report requires you to self-report your total facility emissions from calendar years 2012 and 2013. You may submit the report in hard copy form or electronically through Ohio EPA's eBusiness Center Air Services application. For instructions on how to complete the report electronically, go to www.epa.ohio.gov, click on *Do Business*

in the top banner, select *Answer Place*, and enter keyword "2118" in the search box. Do not send a check with the report. After receiving your completed report, Ohio EPA will send you an invoice based on your annual reported emissions level. If you need assistance completing the report, contact the Office of Compliance Assistance and Pollution Prevention (OCAPP) at (800) 329-7518 or visit www.epa.ohio.gov/dapc/nontvfee.aspx. The Answer Place also provides more information about fees, helpful resources and program background.

New Program Raises the Stakes for Drinking Water Monitoring Violations

Ohio EPA's Division of Drinking and Ground Waters (DDAGW) launched a new program to reduce total coliform and nitrate monitoring violations at public water systems. Failure to monitor for these acute contaminants creates uncertainty about the quality of water being delivered to customers.



This new program – using the slogan: **Save a Dime. Sample on Time!** – will provide a deterrent to violations and increase public health protection by making it more expensive for failing to sample than it is to sample. It costs an average of \$25 for each total coliform sample and \$20 for each nitrate sample. Beginning Jan. 1, 2014, the new program includes a penalty of \$150 or more for each monitoring violation. Questions about the requirements should be directed to drinking water staff in the appropriate Ohio EPA district offices. See a map at www.epa.ohio.gov/Districts.aspx.

Ohio Company Wins Green Chemistry Award

In the small business category, Faraday Technology Inc., in Clayton, Ohio, was a winner of the 2013 Presidential Green Chemistry Challenge Award. Faraday Technology developed a plating process that allows chrome coatings to be made from less toxic trivalent chrome. This reduces millions of pounds of hexavalent chromium without comprising performance for uses such as aircraft parts.

For more information about the award, go to www2.epa.gov/green-chemistry/2013-small-business-award. For more information about the awards program, including past and current award recipients, visit www2.epa.gov/green-chemistry/presidential-green-chemistry-challenge-winners.



Ohio Company Reduces Costs and Environmental Footprint through ME3 Program

The Materials + Economy + Energy + Environment (ME3) program helps manufacturing companies save money and reduce their environmental footprint through discounted technical services. Initiated in 2011 by the Mid-Ohio Regional Planning Commission (MORPC) in the Central Ohio region, ME3 is a comprehensive sustainability program that includes an energy assessment, a lean and green facility review, and participation in the Ohio By-Product Synergy (BPS) Network to help convert waste materials into profitable feedstocks.

The Calgon Carbon Columbus Plant has made great strides toward its sustainability goals through ME3. In less than a year, the company implemented projects that reduce energy and waste with an estimated annual savings of \$140,000. Thanks to federal and local support, the cost of technical services was reduced by more than 70 percent.

Calgon Carbon's ME3 highlights include:

- An energy assessment performed by the University of Dayton Industrial Assessment Center resulted in an estimated annual savings of \$25,000 from implementing seven of the 16 recommendations.
- A lean and green review performed by TechSolve resulted in an estimated annual savings of \$15,000 from implementing two of the six recommendations.
- The Ohio By-Product Synergy (BPS) Network membership has helped move Calgon Carbon closer to becoming a zero waste facility. The company is exploring and implementing supersack reuse and recycling opportunities, which represents 60 percent of its waste stream.
- The company will save an estimated \$110,000 from measures that divert wastewater from the treatment process.

"Hesitant at first, we eventually joined the program, are thrilled with the outcome, and are excited about the ongoing potential," said Tim Duckwall, Columbus plant manager with Calgon Carbon Corporation.

While MORPC coordinates the services and provides funding, the ME3 program has been leveraged statewide through a grant from the U.S. Environmental Protection Agency, and with assistance from American Electric Power, Duke Energy, The George Gund Foundation, MAGNET, Ohio By-Product Synergy Network, TechSolve, the City of Columbus, The Ohio State University Center for Resilience and University of Dayton Industrial Assessment Center.

MORPC is offering the ME3 program through July 2014. To learn more about ME3, visit www.morpc.org/Sustainability/materials-management/me3-program/index or contact Brandi Whetstone at (614) 233-4174 or bwhetstone@morpc.org.

Save the Date! Green Chemistry Conference coming to Cleveland in April

Please join leaders from industry, academia, government and non-profits at the *2014 Great Lakes Green Chemistry Conference - Innovating for Success*. The conference will be at the Wyndham Cleveland on April 1-2.

The purpose of this conference is to show how innovations in green chemistry drive advances in business, academia, policy and human health protection in the Great Lakes region, and how integration and collaboration of these areas are crucial for success. The conference will include keynotes, plenary sessions, panel sessions, breakout sessions and a poster networking exchange.

The keynote speakers are:

- Dennis McGavis, The Goodyear Tire & Rubber Company
- John Warner, Warner Babcock Institute for Green Chemistry
- Julie Zimmerman, Yale Center for Green Chemistry & Green Engineering

For more information and to register, please visit www.glrppr.org/conference2013/index-3.html.



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