

# Air Regulations & Compliance: Practical Tips and Best Practices to Staying Compliant

MEC 31<sup>st</sup> Annual Business & Industry's Sustainability & Environmental Health & Safety Symposium



BUILDING A SMARTER ENERGY FUTURE®



MARCH 29, 2022

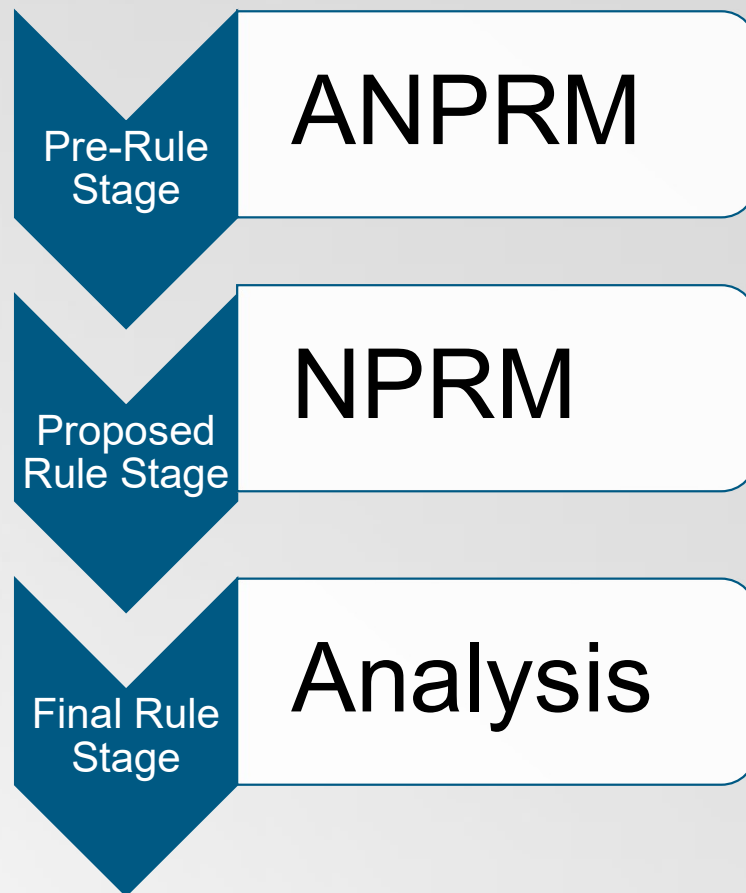
## Agenda

-  **Federal Register & Semi-Annual Unified Agenda**
-  **Focus areas & Emerging Topics (Resources & Tips)**
-  **Agency Insights**
-  **Staying Compliant**
-  **Questions**

## Regulatory Plan & EPA Semiannual Unified Agenda

- Executive Order 12866 (58 FR 51735)
- Semiannual Regulatory Agenda
  - Fall (October – December)
  - Spring (April – June)
- Plans prioritize important regulations
  
- RegInfo.gov
- Regulations.gov

[Regulatory Agendas and Regulatory Plans | US EPA](#)  
[Regulations.gov](#)



# Emerging Topics & Focus Areas



## Environmental Justice

Environmental justice is the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income, with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies.

[Office of Environmental Justice in Action \(epa.gov\)](https://www.epa.gov/office-of-environmental-justice)



## Stakeholder Engagement

Companies engage with stakeholders for a variety of reasons. Identifying innovative solutions to complex challenges, garnering support for expansion, new technologies or services, or developing stronger, trusting relationships are a few examples of the benefits of engaging with stakeholders.



## Executive Orders

The President of the United States manages the operations of the Executive branch of Government through Executive orders.

[Federal Register :: Executive Orders](https://www.federalregister.gov/)



## Environmental, Social & Governance (ESG)

A set of standards for a company's operation. Environmental criteria consider how a company performs as a steward of nature. Social criteria examine how it manages relationships with employees, suppliers, customers, and the communities where it operates. Governance deals with a company's leadership, executive pay, audits, internal controls, and shareholder rights.

## Resources



## Tips & Tricks

- Be Prepared
- Think outside the box
- Analyze
- Collaborate



# QUESTIONS

# Rule Changes: Agency Insight

Presented by: Amy Kesterman, Permit Area Supervisor





# Why Do Rules Change?

There are many different reasons to change a rule:

- Incorrect rule reference
- Limited change to clarify interpretation or application
- Routine 5-year rule review
- Changes to state or federal law

# How do I know when rules change?

- Announcements on Ohio EPA's Division of Air Pollution Control (DAPC) website



Air Pollution Control

Announcements

[epa.ohio.gov/divisions-and-offices/air-pollution-control/announcements](https://epa.ohio.gov/divisions-and-offices/air-pollution-control/announcements)



# How do I know when rules change?



Stay Compliant   Make a Difference   Monitor Pollution   Get Funding   Find Regulations

Help   Search

## Announcements

### Air Pollution Control

Welcome

Announcements

About DAPC

Programs

Asbestos Abatement & Demolition

Guides & Manuals

E-Check

Open Burning

Share this



## What's New and Updates

Adobe Acrobat Reader is required to view the [PDF] publications. If you do not have Adobe Acrobat Reader, [click here](#) to download it for free.

Expand All Sections

### March 3, 2022 - Draft Available for Comment - Submittal of Approved Alternate Application Methods under OAC 3745-21-18(C),(3),(k).

Ohio EPA is making available a [draft for comment](#) of our Request for Approval of Alternate Spray Application Methods into Ohio's State Implementation Plan (SIP). Ohio Administrative Code (OAC) rule 3745-21-18, "Commercial motor vehicle and mobile equipment refinishing operations" regulates emissions of volatile organic compounds (VOC) from commercial motor vehicle and mobile equipment refinishing operations. VOCs



# How do I know when rules change?

- Subscribe to updates via Ohio EPA's Customer Support Center



<https://ohioepa.custhelp.com/>



# How do I know when rules change?



[Stay Compliant](#) [Make a Difference](#) [Monitor Pollution](#) [Get Funding](#) [Find Regulations](#)

[Help](#) [Search](#)



Can't find what you're looking for?

**Customer Support Center**

[Get Started](#)

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# How do I know when rules change?



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Help

[amy.kesterman@hamilton-co.org](mailto:amy.kesterman@hamilton-co.org)

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# How do I know when rules change?

## Subscriptions

Sign up for electronic mailing lists maintained by Ohio EPA's divisions and offices. You can choose to receive resources such as rule updates, division newsletters, fact sheets, training announcements, information on funding opportunities, etc.

### Ohio EPA Notifications and Newsletters

Please review the information below and check the appropriate boxes to subscribe to any of the mailing lists you are interested in.

<b>All Trainings, Webinars, Conferences</b>	
Receive notifications of trainings, webinars and conferences for Ohio EPA divisions and programs.	* <input type="radio"/> Subscribe <input checked="" type="radio"/> Unsubscribe
<b>Division of Air Pollution Control</b>	
Information on rulemaking activity and regulatory notifications from the Division of Air Pollution Control	<input checked="" type="radio"/> Subscribe <input type="radio"/> Unsubscribe
Information for entities submitting electronic air permitting and reporting through Ohio EPA's Air Services system	<input checked="" type="radio"/> Subscribe <input type="radio"/> Unsubscribe
Information on Ohio's Air Monitoring Program	<input checked="" type="radio"/> Subscribe <input type="radio"/> Unsubscribe
Information on activities related to Ohio's State Implementation Plan	<input checked="" type="radio"/> Subscribe <input type="radio"/> Unsubscribe
Updates on the Asbestos Program including the transition of the Ohio Dept. of Health to Ohio EPA, software, and upcoming webinars.	<input checked="" type="radio"/> Subscribe <input type="radio"/> Unsubscribe



# How do I know when rules change?

- State of Ohio's Rules E-Notification System



- [governor.ohio.gov/priorities/common-sense-initiative/enotifications](http://governor.ohio.gov/priorities/common-sense-initiative/enotifications)





# How do I know when rules change?

## eNotifications Sign Up

All proposed state agency rules that impact Ohio businesses undergo an analysis and are subject to review by CSI to determine if the regulatory intent of the rule justifies the impact to businesses.

As rules are being drafted and reviewed, registered users will receive emails alerting them that the rule is open for review and comments. [View descriptions of the categories.](#)

Email address:

<input type="checkbox"/> Administrative	<input type="checkbox"/> Health - Disease Prevention/Surveillance
<input type="checkbox"/> Agriculture	<input type="checkbox"/> Health - Environmental Licensure, Permits and Regulation



# How can I participate in the process?

- Early Stakeholder Outreach
- Interested Party Review
- Proposed Rules
- Each phase has a comment period.

# How can I participate in the process?

- Early Stakeholder Outreach
- Ohio EPA added this additional step to ensure stakeholders are brought into the rule process as early as possible.
- Stakeholders are encouraged to provide early feedback before the rule language has been developed by the Agency.
- [epa.ohio.gov/divisions-and-offices/air-pollution-control/regulations/early-stakeholder-outreach/early-stakeholder-outreach](http://epa.ohio.gov/divisions-and-offices/air-pollution-control/regulations/early-stakeholder-outreach/early-stakeholder-outreach)



# How can I participate in the process?

## DAPC Early Stakeholder Outreach

The first step in the rule-making process is for Ohio EPA to identify that a rule needs to be amended, rescinded or created. Ohio EPA may also review a rule pursuant to the five-year rule review requirements (ORC 106.03) and determine that the rule should be filed with the Joint Committee on Agency Rule Review (JCARR) as 'no change.'

In response to Executive Order 2011-01K, Ohio EPA has added an additional step to ensure stakeholders are brought into the rule process as early as possible. This additional interested party notification and request for information will allow for early feedback before the rule language has been developed by the Agency.

The following rules are currently in the early stakeholder outreach rulemaking stage:

[Expand All Sections](#)

### OAC Chapter 3745-77 Title V Permitting Program Rules - Comment Ends March 8, 2022 ^

February 4, 2022: Ohio EPA is requesting stakeholder input on potential amendments to rules in Ohio Administrative Code (OAC) Chapter [3745-77](#), "Title V Permitting Program Rules." The rules in this chapter contain the requirements for Ohio's Title V Permitting Program. Under Title V of the Clean Air Act, Ohio is required to develop an operating permit program for major sources of air pollution. These sources include those that have the potential to emit:

- 100 tons per year or more of any one regulated pollutant (PM 10, PM2.5, nitrogen oxides, sulfur dioxide, carbon monoxide, volatile organic compounds and lead);
- 10 tons per year or more of any one hazardous air pollutant; or
- 25 tons per year or more of any two or more hazardous air pollutants (U.S. EPA currently lists 188 hazardous air pollutants in Section 112 of the 1990 Clean Air Act).

The operating permit program streamlines the way federal, state, tribal and local authorities regulate air pollution by consolidating all air pollution control requirements into a single, comprehensive "operating permit" that covers all aspects of a source's year-to-year air pollution activities.



# How can I participate in the process?

- Interested Party Review
- Draft rule, Synopsis of Changes, and Business Impact Analysis are posted to Ohio EPA's website
- Allows interested parties, stakeholders, or citizens to make comments regarding the rule prior to adoption.
- [epa.ohio.gov/divisions-and-offices/air-pollution-control/regulations/interested-party-review/dapc-interested-party-review](http://epa.ohio.gov/divisions-and-offices/air-pollution-control/regulations/interested-party-review/dapc-interested-party-review)



# How can I participate in the process?

## DAPC Interested Party Review

### Availability of Draft for Comment - OAC Chapter 3745-112, "Consumer Products Rules" ^

**December 22, 2021** The Division of Air Pollution Control (DAPC) is making available for public comment draft rule language and a draft of the business impact analysis (BIA) document for potential amendment of rules in Ohio Administrative Code (OAC) Chapter 3745-112, "Consumer Products Rules." The rules in this chapter establish limits on the quantity of volatile organic compounds (VOCs) that may be contained in consumer products, such as cleaning products, personal care products, and home, lawn, and garden products, that are sold, supplied, offered for sale or manufactured for sale in the state of Ohio.

DAPC is requesting comments on the draft amended rules and the draft BIA document before DAPC proposes the rules to the Joint Committee on Agency Rule Review (JCARR). DAPC will be accepting comments through **Tuesday, January 25, 2022**. Please see the rule language, public notice, and draft business impact analysis (linked below) for information on the rule review and how to submit comments.

- [Public Notice](#)
- [Synopsis of Changes](#)
- [Draft Business Impact Analysis \(BIA\) Form](#)
- [3745-112-01](#) Definitions
- [3745-112-02](#) Applicability



# How can I participate in the process?

- Proposed Rules
- Draft rule is filed with JCARR (Joint Committee on Agency Rule Review) – becomes Proposed Rule.
- Comment period includes Public Hearing; Response to Comments received during Interested Party Review.
- [epa.ohio.gov/divisions-and-offices/air-pollution-control/regulations/proposed-rules](http://epa.ohio.gov/divisions-and-offices/air-pollution-control/regulations/proposed-rules)





# How can I participate in the process?

## DAPC Proposed Rules

Proposal of Amended Rules and Draft SIP Document Available for Comment - OAC Ch. 3745-21, "Carbon Monoxide, Photochemically Reactive Materials, Hydrocarbons, and Related Materials Standards" ^

Ohio EPA will be holding both a virtual and in-person public hearing on the amended/new rules and draft SIP documents on **Monday, January 3, 2022 at 10:00 a.m.** Please see the public notice below for information on the in-person hearing and how to register for the virtual hearing.

- [Public Notice](#)
- [Response to Comments](#)
- [Synopsis of Changes](#)
- [Draft Reasonably Available Control Technology \(RACT\) State Implementation Plan for the 2015 Ozone National Ambient Air Quality Standards](#)





## Items to keep in mind

- Do not hesitate to contact Agency representatives with questions
- Rule changes can become effective during a permitting cycle
- Rule requirements apply regardless of whether they are included in permit terms and conditions
- Rule changes will be incorporated into the renewal permit

# Questions?

Amy Kesterman

[amy.kesterman@hamilton-co.org](mailto:amy.kesterman@hamilton-co.org)



# Staying Compliant In An Ever-Changing Regulatory World



# Overview



**Applicable  
Regulations**



**Permitting &  
Compliance**



**Adapting to  
Change**



**Compliance  
Inspections**



**Best  
Practices**

# Applicable Regulations



**10134**

Federal Register / Vol. 87, No. 36 / Wednesday, February 23, 2022 / Proposed Rules

provided in the labeling can be reasonably expected to result in a significant injury, must comply with the requirements in Traceability for Implantable Devices, Clause 7.5.9.2 in ISO 13485, in addition to all other requirements in this part, as appropriate.

(e) *Enforcement.* The failure to comply with any applicable requirement in this part renders a device adulterated under section 501(h) of the Federal Food, Drug, and Cosmetic Act. Such a device—

- (4) The name, address, and phone number of the complainant;
- (5) The nature and details of the complaint;
- (6) Any corrective action taken; and
- (7) Any reply to the complainant.

(b) *Records of servicing activities.* In adhering to Clause 7.5.4 in ISO 13485, the manufacturer must record the following information, at a minimum, for servicing information:

- (1) The name of the device serviced;
- (2) Any unique device identifier (UDI) or universal product code (UPC), and any other device identification(s);
- (3) The date of service;
- (4) The individual(s) who serviced the device;
- (5) The service performed; and
- (6) Any test and inspection data.

(c) *Unique device identification.* In addition to the requirements of Clauses 7.5.1, 7.5.8, and 7.5.9 in ISO 13485, the UDI must be recorded for each medical device or batch of medical devices.

(d) *Confidentiality.* Records deemed confidential by the manufacturer may be marked to aid FDA in determining whether information may be disclosed under the public information regulation in part 20 of this chapter.

**§ 820.40** [Reserved]

**§ 820.45** Device labeling and packaging controls.

In addition to the requirements of Clause 7.5.1 of ISO 13485 (incorporated by reference, see § 820.7), control of production and service provision, each manufacturer must establish and

prevent errors, including, but not limited to, inspection of the labeling and packaging immediately before use to assure that all devices have correct labeling and packaging, as specified in the medical device file. Results of such labeling inspection must be documented in accordance with Clause 4.2.5 of ISO 13485.

**Subparts C–O—(Reserved)**

Dated: February 8, 2022.  
**Janet Woodcock,**  
Acting Commissioner of Food and Drugs.  
[FR Doc. 2022-03227 Filed 2-22-22; 9:45 am]  
BILLING CODE 4194-01-P

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**ENVIRONMENTAL PROTECTION AGENCY**

**40 CFR Parts 60 and 63**

[EPA-HQ-OAR-2021-0619; FRL-8602-01-OAR]

RIN 2060-AV43

**Review of Standards of Performance for Lead Acid Battery Manufacturing Plants and National Emission Standards for Hazardous Air Pollutants for Lead Acid Battery Manufacturing Area Sources Technology Review**

AGENCY: Environmental Protection Agency (EPA).

ACTION: Proposed rule.

**SUMMARY:** This proposal presents the results of the Environmental Protection

**12033**

Federal Register / Vol. 87, No. 42 / Thursday, March 3, 2022 / Proposed Rules

Dated: February 24, 2022.

**Debra Shore,**  
Regional Administrator, Region 5.  
[FR Doc. 2022-04319 Filed 2-2-22; 9:45 am]  
BILLING CODE 6060-90-P

**ENVIRONMENTAL PROTECTION AGENCY**

**40 CFR Parts 52 and 61**

[EPA-R05-OAR-2020-0743; EPA-R05-OAR-2021-0886; EPA-R05-OAR-2022-0123; FRL-9587-01-R5]

**Air Plan Approval: Indiana; Redesignation of the Indiana Portion of the Chicago-Naperville Area to Attainment of the 2008 Ozone Standard, NO<sub>x</sub> RACT Waiver, and Serious Plan Elements**

AGENCY: Environmental Protection Agency (EPA).

ACTION: Proposed rule.

**SUMMARY:** The Environmental Protection Agency (EPA) is proposing to find that the Indiana portion of the Chicago-

0886 (regarding the redesignation), or EPA-R05-OAR-2022-0123 (regarding the NO<sub>x</sub> RACT waiver) at <https://www.regulations.gov> or via email to [arra.sarah@epa.gov](mailto:arra.sarah@epa.gov). For comments submitted at [Regulations.gov](https://www.regulations.gov), follow the online instructions for submitting comments. Once submitted, comments cannot be edited or removed from [Regulations.gov](https://www.regulations.gov). For either manner of submission, EPA may publish any comment received to its public docket. Do not submit electronically any information you consider to be Confidential Business Information (CBI) or other information whose disclosure is restricted by statute. Multimedia submissions (audio, video, etc.) must be accompanied by a written comment. The written comment is considered the official comment and should include discussion of all points you wish to make. EPA will generally not consider comments or comment contents located outside of the primary submission (i.e., on the web, cloud, or other file sharing system). For additional submission methods, please contact the person

determine that the Indiana portion of the Chicago area is attaining the 2008 ozone NAAQS, based on quality-assured and certified monitoring data for 2019–2021, and that the Indiana portion of the Chicago area has met the requirements for redesignation under section 107(d)(3)(E) of the CAA. The Indiana portion of the Chicago area consists of Lake and Porter Counties in Northwest Indiana. Indiana submitted this request on December 6, 2021, with additional information submitted on January 18, 2022. EPA is thus proposing to change the legal designation of the Indiana portion of the Chicago area from nonattainment to attainment for the 2008 ozone NAAQS. EPA is also proposing to approve, as a revision to the Indiana SIP, the State's maintenance plan (such approval being one of the CAA criteria for redesignation to attainment status) for the area. The maintenance plan is designed to keep the Chicago area in attainment of the 2008 ozone NAAQS through 2035. EPA finds adequate and is proposing to approve the newly established 2035 and

## Audience Poll

- **True or False: You only need to comply with the regulations cited in your permit.**

**FALSE**

# Applicable Regulations

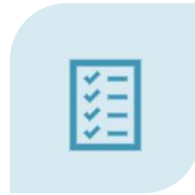
## How do you keep track of changes?

- **Federal Register:** <https://www.federalregister.gov/environment>
- **EPA Regions:**
  - OH & IN <https://www.epa.gov/aboutepa/epa-region-5>
  - KY <https://www.epa.gov/aboutepa/about-epa-region-4-southeast>
- **State Agency**
  - OEPA: <https://epa.ohio.gov/>
  - KDEP: <https://eec.ky.gov/Environmental-Protection/>
  - IDEM: <https://www.in.gov/idem/>
- **Emissions Factors**
  - AP-42: Compilation of Air Emission Factors:
    - <https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emissions-factors>
- **Industry Groups**

# Applicable Regulations



**WHY CARE  
ABOUT  
PROPOSED  
RULES?**



**WHY GET  
INVOLVED IN  
RULEMAKING  
PROCESS?**



**WHAT DO NEW  
RULES MEAN  
FOR MY SITE?**



**WON'T THE  
STATE AGENCY  
TELL ME?**



# Permitting & Compliance



4/21/2014

## PTIO

Certified Mail

No	TOXIC REVIEW
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MODELING SUBMITTED
No	SYNTHETIC MINOR TO AVOID TITLE V
No	FEDERALLY ENFORCEABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: [REDACTED]  
 Permit Number: [REDACTED]  
 Permit Type: Renewal  
 County: Franklin

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, we urge you to read it carefully. In this letter you will find the information on the following topics:

- How to appeal this permit
- How to save money, reduce pollution and reduce energy consumption
- How to give us feedback on your permitting experience
- How to get an electronic copy of your permit



10/10/2013

## PTI

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	MAJOR GHG
Yes	SYNTHETIC MINOR TO AVOID MAJOR GHG

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL  
 Facility ID: [REDACTED]  
 Permit Number: [REDACTED]  
 Permit Type: Administrative Modification  
 County: Crawford

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) Air Pollution Permit-to-Install (PTI) which will allow you to install or modify the described emissions unit(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, we urge you to read it carefully. Because this permit contains conditions and restrictions, please read it very carefully. In this letter you will find the information on the following topics:

- How to appeal this permit
- How to save money, reduce pollution and reduce energy consumption
- How to give us feedback on your permitting experience
- How to get an electronic copy of your permit



12/4/2018

## Title V



RE: FINAL AIR POLLUTION CONTROL TITLE V PERMIT  
 Permit Type: Renewal

Dear Permit Holder:

Enclosed is a final Ohio Environmental Protection Agency (EPA) Air Pollution Title V permit that allows you to operate the facility in the manner indicated in the permit. Because this permit may contain several conditions and restrictions, we urge you to read it carefully. In this letter you will find the information on the following topics:

- How to appeal this permit
- How to save money, reduce pollution and reduce energy consumption
- How to give us feedback on your permitting experience
- How to get an electronic copy of your permit
- What should you do if you notice a spill or environmental emergency?

Facility ID: [REDACTED]  
 Permit Number: [REDACTED]  
 County: Tuscarawas

## Audience Poll

- How often should you review your permits?

**Every Year**

## Audience Poll

- **As long as you follow your Title V Permit, you will be in compliance, right?**

**Not Necessarily**

## Audience Poll

- True or False: You should keep records of everything to ensure compliance.

**FALSE**

# Permitting & Compliance

## What might not be in my operating permit?

- Newly issued Permits-to-Install (PTIs)
- De minimis exemptions
- Insignificant sources
- Permit-By-Rule (PBRs)
- Sources with Registration Status
- New applicable regulations

# Adapting to Change



## Audience Poll

- **When do you need to update your permits for changes at your site?**

**Before Making Changes**

# Adapting to Change

## When might you need to update my permits?

- Before making changes to equipment
- Before making process changes
- Before bringing in new equipment
- Before swapping out equipment
- Before removing equipment from site
- When there are new applicable regulations
- When there are emission factors
- Permit Renewal



# Compliance Inspections



## Audience Poll

- True or False: You do not have to let an inspector on site.

**FALSE**

# Compliance Inspections

## What do you do if an inspector shows up?

- Don't panic
- Listen first, speak second
- Be a copy cat
- Answer questions honestly
- If you don't know, follow up
- Follow up if needed
- Ask for things in writing
- Be ready for new inspectors

# Best Compliance Practices



**Track changes in regulations**



**Review permits once a year**



**Keep records required by the permit**



**Use equipment as it is permitted**



**Review changes before they happen**



**Maintain open communication**



# Questions?

Julie Hall

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## Biographical Information

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As Utility Strategy Director at Duke Energy, Maeve is responsible for the development of environmental and energy strategy in the Duke Energy Ohio-Kentucky service territory, budgeting and serving as a liaison to key strategic stakeholders. Prior to this role, Maeve served as the Environmental Policy and Affairs Director and was responsible for building and maintaining positive working relationships with senior leaders in Ohio and Kentucky environmental and regulatory agencies, rulemaking boards and commissions, key external advocacy agencies, as well as supporting and commenting on state regulatory plans and compliance options. Maeve has experience and demonstrated history in working with government and industry. She is skilled in report writing, strategic planning, research, regulatory submissions and stakeholder engagement. Her previous roles include Senior Energy Specialist in the SC Office of Regulatory Staff - Energy Office, co-coordinator for the Palmetto State Clean Fuels Coalition and Manager of Regulation and State Implementation Development at South Carolina Department of Health and Environmental Control. Maeve graduated with a B.S. in Environmental Policy and Political Science from Central Michigan University and a Master's degree in Environmental Studies from Ohio University. Maeve serves on several boards to include: Green Umbrella, Cardinal Land Conservancy, and The Hamilton County Environmental Action Commission. Maeve is a member of the Cincinnati USA Regional Chamber's 16th C-Change graduating class. Maeve is also a certified Public Manager and an Ohio Certified Volunteer Naturalist. She lives in Cincinnati and is married with two daughters.

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Julie Hall is a Senior Project Manager with Weaver Consultants Group in Cincinnati, OH. Ms. Hall has 20 years of experience in air consulting, specializing in air compliance and permitting in for clients in Ohio, Kentucky, and Indiana. She earned her bachelor's degree in Chemical Engineering and her master's in business from the University of Cincinnati.

## **Biographical Information**

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Amy Kesterman is a Permit Area Supervisor in the Permits and Enforcement Section of the Southwest Ohio Air Quality Agency (Agency), a Division of the Hamilton County Department of Environmental Services. Ms. Kesterman has been with the Agency since 2006 serving as an Environmental Compliance Specialist, and then as Permit Area Supervisor. She is responsible for reviewing minor, synthetic minor, and major source air permits; and for supervising Environmental Compliance Specialists who perform on-site inspections of air pollution sources and control equipment, determining source compliance with air permits and air pollution regulations, assessing source emissions, responding to air quality complaints, and reviewing and processing permit applications for complex source installations and modifications.

Ms. Kesterman serves as a point of contact at the Agency for assisting industry representatives with navigating Ohio EPA's electronic tool, Air Services. She periodically serves as an air permit instructor for Cincinnati State Technical and Community College's Environmental Engineering Technology program and as a guest lecturer for the University of Cincinnati's Environmental Studies program.

Ms. Kesterman was awarded a Hamilton County Employee of the Year Award in 2013 for her individual effort to go the extra mile in providing excellent service in her work. In 2014, Ms. Kesterman was awarded her second Hamilton County Employee of the Year Award as a member of an Agency team being recognized for their innovative team approach to processing an air permit for General Electric Aviation.

Ms. Kesterman received a B.S. in Environmental Studies from the University of Cincinnati.