



# Oklahoma 2022 Air Quality Workshop

2022 AAPCA Best Practice in Emissions Inventory, Permitting and  
Inspections/Enforcement

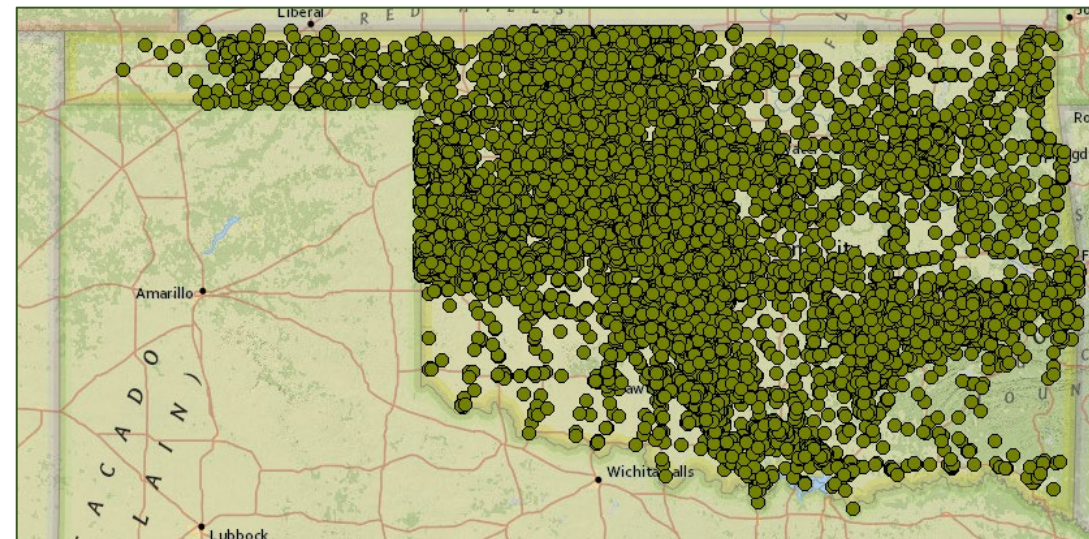
September 28, 2022

Beverly Botchlet-Smith, Oklahoma Department of Environmental Quality

Carrie Schroeder, OK Department of Environmental Quality

# Oklahoma DEQ Overview

- ❖ Title V, Synthetic-Minors and True Minors submit annual emissions inventories  
(13,629 facilities)
- ❖ Inventories are submitted via SLEIS



**SLEIS**  State & Local  
Emissions Inventory System





- ❖ Industry representatives requested other AQ topics be presented, in addition to the emission inventory subjects normally covered, in our annual workshop
- ❖ In response, DEQ expanded the 2022 workshop to an all AQ Division workshop



# Oklahoma's Best Practice

- ❖ The Zoom platform was selected to deliver the half day workshop after researching other platforms
- ❖ Email invitations were sent to 3000+ industry contacts
- ❖ The presentation slides were posted the day before to allow attendees to follow along with the workshop



## DEQ Air Quality Workshop

For 2022, DEQ's annual workshop has expanded beyond emissions inventories! The virtual workshop will include:

- Federal rule updates (Legal staff)
- New permitting rules, guidance/tools, and latest Oil & Gas General Permit (Permitting group)
- Regulatory interpretation and refresher on who gets inspected and when (Compliance & Enforcement group)
- Emissions Inventory updates and reminders (Emissions Inventory section)

Time has been allotted between presentations for questions.

**Tuesday, January 25, 2022 // 8:30 - 12:00 PM**

Please register ahead of time. There will be limited availability.  
The workshop will be recorded and posted on the DEQ website.

Register at: [https://us02web.zoom.us/join/zoom/register/tZEsd-CppjgpGNRxivm8l\\_ml1vo4xNPM8WVV](https://us02web.zoom.us/join/zoom/register/tZEsd-CppjgpGNRxivm8l_ml1vo4xNPM8WVV)

More info: <https://www.deq.ok.gov/air-quality-division/emissions-inventory/emissions-inventory-workshop/>



# Oklahoma's Best Practice

- ❖ When registering through the Zoom portal, attendees could pose questions, which we addressed during the presentations.
- ❖ Zoom created a meeting link, confirmation and calendar reminder at registration
- ❖ Questions were also accepted either through the chat or live



zoom

Hello Carrie Schroeder,

Thank you for registering for Air Quality Workshop 2022. You can find information about this meeting below.

Air Quality Workshop 2022	
Date & Time	Jan 25, 2022 08:30 AM Central Time (US and Canada)
Meeting ID	851 0918 3320
Passcode	040968

Workshop presentation slides will be available 24 hours prior to the workshop on the workshop page. A recording will also be posted after the event on the same page. <https://www.deq.ok.gov/division/emissions-inventory/emissions-inventory-workshop/>

Please submit any questions to: [michelle.horn@deq.ok.gov](mailto:michelle.horn@deq.ok.gov).

You can cancel your registration at any time.

**WAYS TO JOIN ZOOM**

**1. Join from PC, Mac, iPad, or Android**

[Join Meeting](#)

If the button above does not work, paste this into your browser:  
<https://us02web.zoom.us/j/85109183320?tk=HIGiOr3UVv0HRiQYkeqBSsVIOQvlg5ZPw1UbuCOKc1kDQMAAAAT0OcTWBYzQUctNGVEQIRLeXVUBU1IUhDhZnNnAAAAAAAAAAAAAAAAAAAAAAAAAAAA&pwd=SiNvVH8>

**To keep this meeting secure, do not share this link publicly.**

[Add to Calendar \(.ics\)](#) | [Add to Google Calendar](#) | [Add to Yahoo Calendar](#)

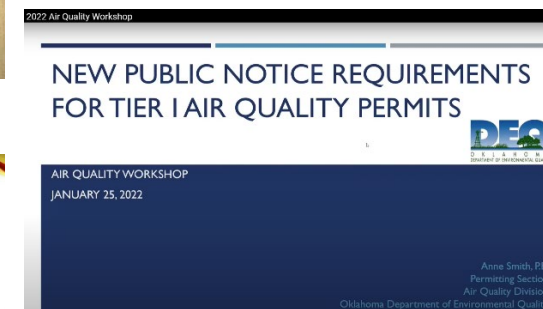
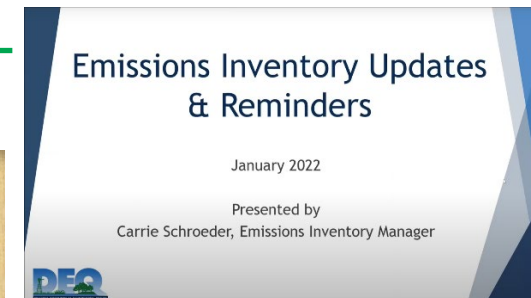
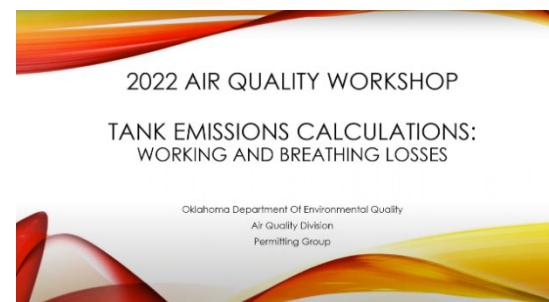
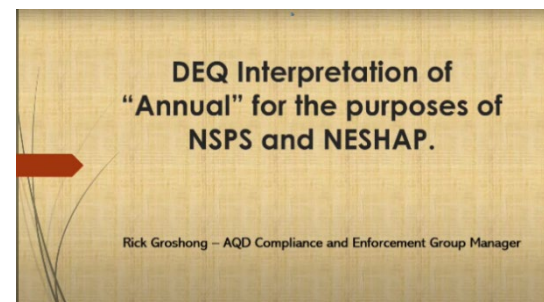
**2. Join via audio**

One tap mobile:	US: +16699006833_85109183320# or +12532158782_85109183320# or +140968#
Or dial:	For higher quality, dial a number based on your current location. US: +1 669 900 6833 or +1 253 215 8782 or +1 346 248 7799 or +1 929 205 0099 or +1 301 715 8592 or +1 312 626 6799
Meeting ID:	851 0918 3320
Passcode:	040968

Thank you!

# 2022 Workshop Results

- ❖ Over 350 individuals registered for the live event
- ❖ Several content appropriate questions were submitted; attendees seemed more comfortable than during in-person live events
- ❖ The workshop was a success and will be further evident in receiving better quality data in our emissions inventories, permit applications and compliance during inspection evaluations



# 2022 Workshop Results

- ❖ Holding one event assured consistent responses to questions and were received by all attendees
- ❖ The event was recorded and posted on our website for those that could not attend or for those who wanted to review our answers

## EMISSIONS INVENTORY TRAININGS & WORKSHOP

For 2022, our annual workshop was expanded beyond emissions inventories! Air Quality Division staff presented information on:

- Federal rule updates (Legal staff)
- New permitting rules, guidance/tools and latest Oil & Gas General Permit (Permitting group)
- Regulatory interpretation and refresher on who gets inspected and when (Compliance & Enforcement group)
- Emissions Inventory updates and reminders (Emissions Inventory section)

### 2022 Air Quality Workshop Recording

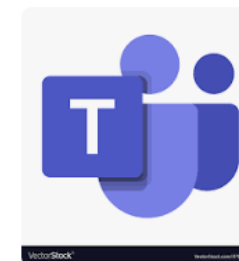
-  [2022 Air Quality Workshop \(Slides\)](#)



# Lessons Learned

---

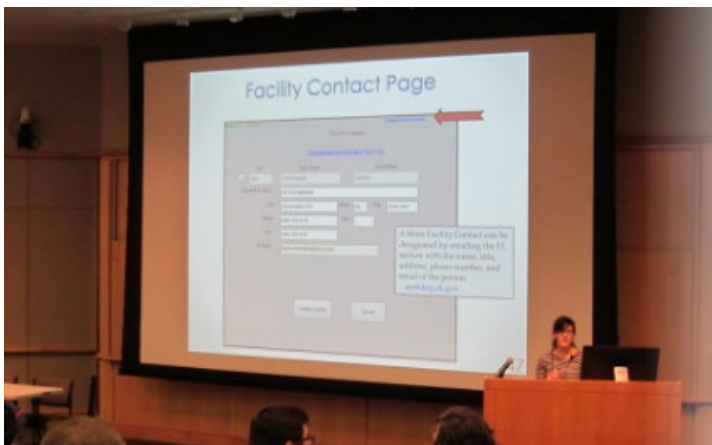
- ❖ The first step in planning was to estimate participant numbers and choose an appropriate virtual platform. Our license was upgraded to accommodate the > 300 registered. The cost was covered by state funds.
- ❖ A hosting team experienced with Zoom facilitated transitions between presenters, conversations and questions from the attendees.
- ❖ A dress rehearsal was held one week prior to identify any potential problems





# Lessons Learned

- ❖ Previous in-person workshops were held in Tulsa and OKC with costs including travel, accommodations, venue rental and printing of material
- ❖ Zoom upgrade: \$



# Lessons Learned

- ❖ Industry appreciated receiving pertinent information from subject matter experts instead of navigating a website for answers

AIR QUALITY DIVISION	WATER QUALITY DIVISION	LAND PROTECTION DIVISION	STATE ENVIRONMENTAL LABORATORY SERVICES	ENVIRONMENTAL COMPLAINTS & LOCAL SERVICES	OFFICE OF BUSINESS AND REGULATORY AFFAIRS
Ambient Air Monitoring	Public Water Supply	Waste Management	General Information	On-site Sewage	Business and Regulatory Assistance
Air Permits	Wastewater & Stormwater	Recycling	Laboratory Services & Fees	Total Retention Lagoon Facilities	Assistance for Citizens, Communities, and Local Governments
Emissions Inventory	Construction Permits	Chemical Reporting & Preparedness	Laboratory Accreditation	Minor Water	Oklahoma Clean Marina Program
Air Compliance/Enforcement	Watershed Planning	Cleanup & Redevelopment	Environmental & Public Health Information	Highway Remediation	AskDEQ and FAQs
Rules & Planning	Operator Certification	Radiation Management	Technical Assistance	Training	Financial and Grant Assistance
Lead-Based Paint	Water Quality Council	Underground Injection Control	Sample Collection Assistance	Frequently Asked Questions	
Forms & Public Participation					

- ❖ Industry, as well as DEQ, uses our workshop to train new staff, earn professional credit and to keep in their facilities in compliance





# Evaluation Process

- ❖ Topics and presentations were vetted by peers and management for accuracy
- ❖ Attendees were invited to ask questions to discuss material or ask more in-depth questions.
- ❖ Frequent testing of the system verified the quality and design of the user experience and the Zoom platform
- ❖ Attendees were invited to comment on content and presentation quality. The workshop recording has been viewed over 437 times



## 2022 Air Quality Workshop

437 views Feb 10, 2022 For 2022, our annual workshop was expanded beyond emissions inventories. Air Quality Division staff presented information on:

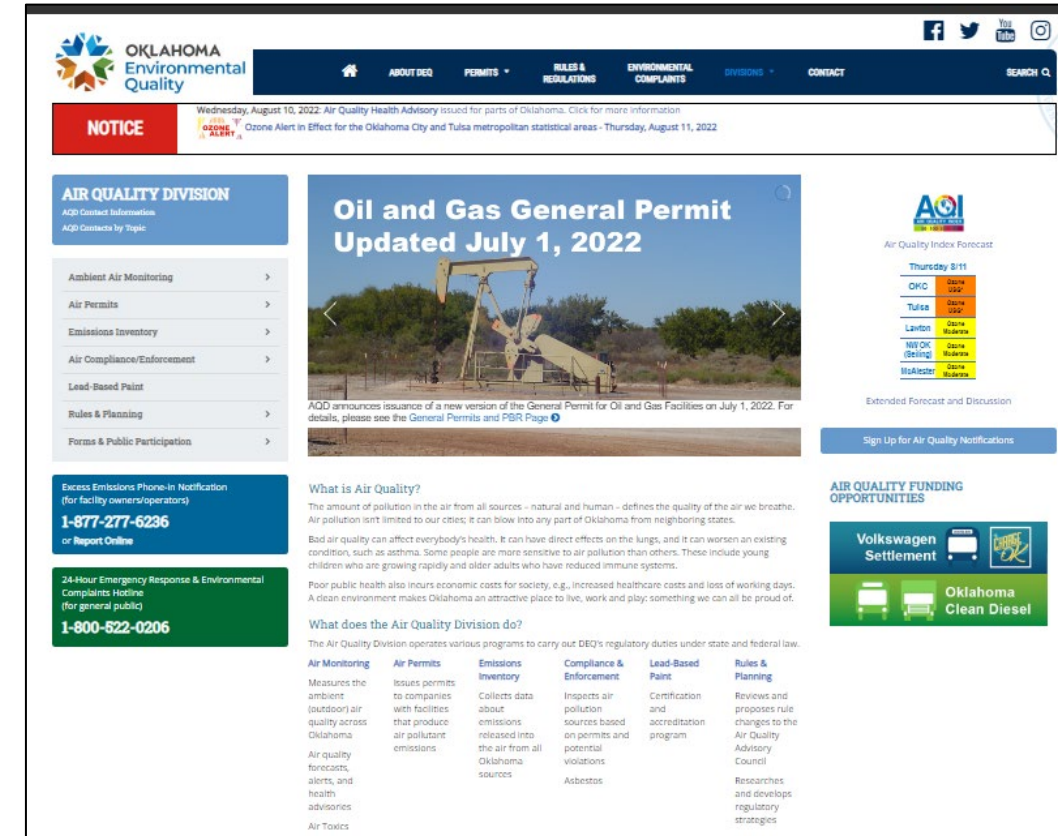
 Like  Dislike

- Federal rule updates (Legal staff)
- New permitting rules, guidance/tools and latest Oil & Gas General Permit (Permitting group)
- Regulatory interpretation and refresher on who gets inspected and when (Compliance & Enforcement group)
- Emissions Inventory updates and reminders (Emissions Inventory section)

To learn more and view other Emissions Inventory trainings, visit:  
<https://www.deq.ok.gov/air-quality-di...>

# Sustainability

- ❖ The research and experience gleaned from the live workshop provides accessible data and a guide for future webinars or workshops
- ❖ A virtual workshop allows DEQ to simultaneously reach anyone in or outside Oklahoma, while saving attendees time and travel costs
- ❖ The Division does not expect to put on an Air Quality Workshop every year, as there likely will not be enough new material, however, every 3 years is probably sustainable and would provide enough new material

The screenshot shows the Oklahoma Environmental Quality website. At the top is a navigation bar with links: ABOUT DEQ, PERMITS, RULES & REGULATIONS, ENVIRONMENTAL COMPLAINTS, DIVISIONS, and CONTACT. A search bar is on the right. Below the navigation bar is a red 'NOTICE' banner for an Ozone Alert. The main content area features a large banner for 'Oil and Gas General Permit Updated July 1, 2022' with a background image of an oil pumpjack. To the left of this banner is a sidebar for the 'AIR QUALITY DIVISION' with links to various services. Below the main banner is a section titled 'What is Air Quality?' and 'What does the Air Quality Division do?'. On the right side of the page, there is an 'Air Quality Index Forecast' for Thursday 8/11 and a section for 'AIR QUALITY FUNDING OPPORTUNITIES' featuring 'Volkswagen Settlement' and 'Oklahoma Clean Diesel'.

# Transferability ~ Uniqueness

---

- ❖ The virtual meeting concept can be easily implemented by other Air Quality agencies. A recording and slides of the DEQ Air Quality Workshop are available for any government agency to view
- ❖ This is the first attempt to offer real-time guidance and Q&A from a variety of our groups (Legal, Permitting, Compliance & Enforcement, Emissions Inventory) at one event on the web
- ❖ We are familiar with specialized presentations held by other government agencies, but not one where industry could interact with all the main air quality groups at once

<https://www.deq.ok.gov/air-quality-division/emissions-inventory/emissions-inventory-workshop/>





