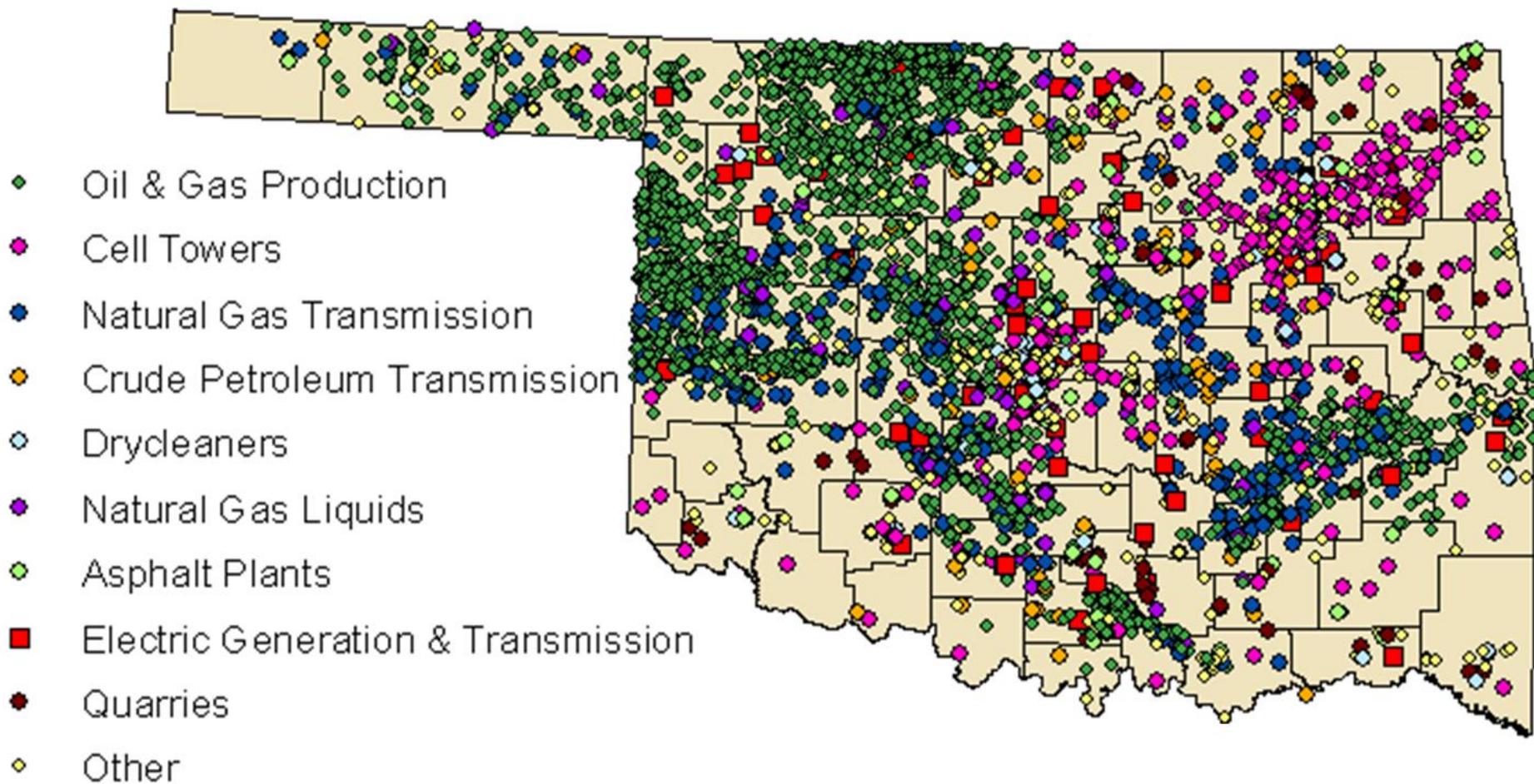


# Inventoried Point Sources



# Emissions Inventory Introduction and Guidance

Mark Gibbs  
Emission Inventory  
Manager

Air Quality Workshop  
February 4<sup>th</sup>, 2016  
Tulsa, OK

# Emissions Inventory Presentations

- Introduction and Guidance
- Basics of an Emissions Inventory Report
- How to Calculate Your Emissions

*BREAK*

- General Issues
- Live Redbud Demonstration

# Introduction & Guidance Presentation Objectives

- What is an Emissions Inventory?
- Who is Required to File an Inventory?
- Emissions Inventory Data Flow
- The Annual Reporting Cycle
- What's New?
- Guidance & Help

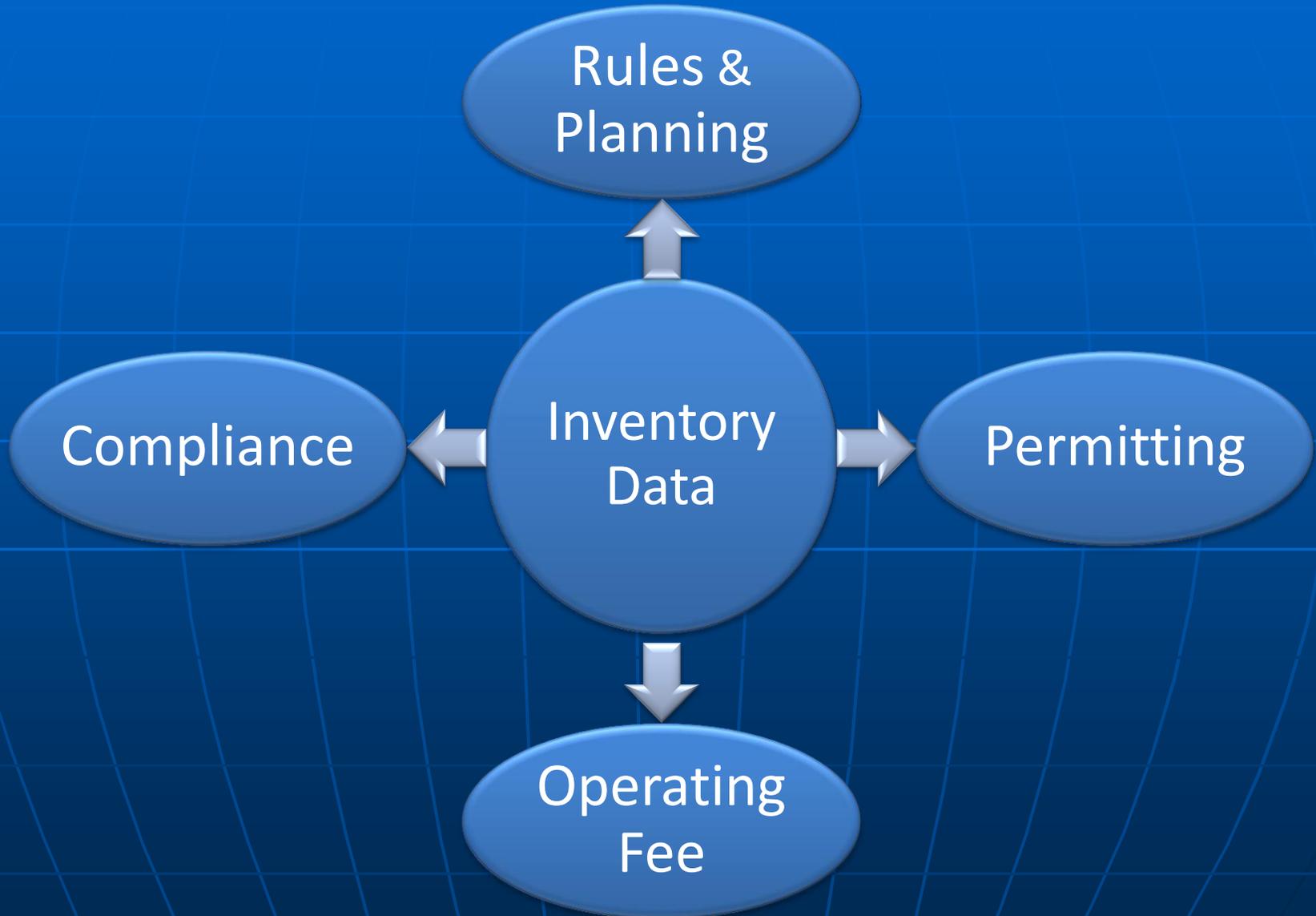
# What is an Emissions Inventory?

# What Is An Emissions Inventory?

- A report of actual emissions of regulated pollutants during the previous year
- Provides a description to DEQ of your facility and its operations



# Uses of Inventory Data



# Who is Required to File an Emissions Inventory?

# Required to File an Inventory

- The owner or operator of any facility that is a source of Regulated Air Pollutants
- Permit Exempt & De Minimis facilities excluded
- Permit by Rule: Only new facilities for 2015
- “Special Inventories” upon request by AQD Director

# Permit by Rule (PBR) Facilities

- All PBR facilities that were registered by 12/31/2014 had to submit an inventory for 2014
- New PBR facilities must submit an inventory for the first year that they are registered
- Thereafter PBR facilities must submit:
  - > 5 Ton/year of any RAP - every NEI three-year cycle (next due in 2017)
  - ≤ 5 Ton/year of any RAP - every second NEI three-year cycle (next due in 2020)

# PBR Reporting Schedule



**Facility A:**  
10 Tons of emissions of NO<sub>x</sub> in 2014  
12 Tons of emissions of NO<sub>x</sub> in 2017  
Etc.

**2014 NEI: All PBR Facilities**

**2020 NEI: All PBR Facilities**



**2017 NEI: PBR Facilities  
with emissions > 5 TPY**

**2023 NEI: PBR Facilities  
With Emissions > 5TPY**

# PBR Reporting Schedule

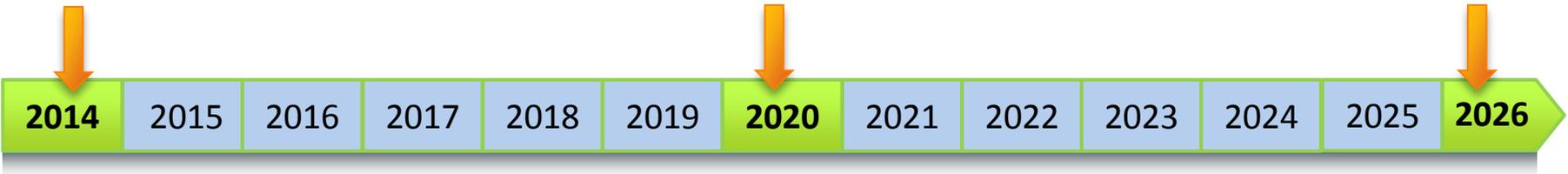


**Facility B:**  
4.5 Tons of emissions of VOC in 2014  
3 Tons of emissions of VOC in 2017  
Etc.

**2014 NEI: All  
PBR Facilities**

**2020 NEI: All  
PBR Facilities**

**2026 NEI: All  
PBR Facilities**



# PBR Reporting Schedule



## Facility C:

First registered in 2015 with 15 Tons of emissions of VOC  
11 Tons of emissions of VOC during 2017  
Etc.

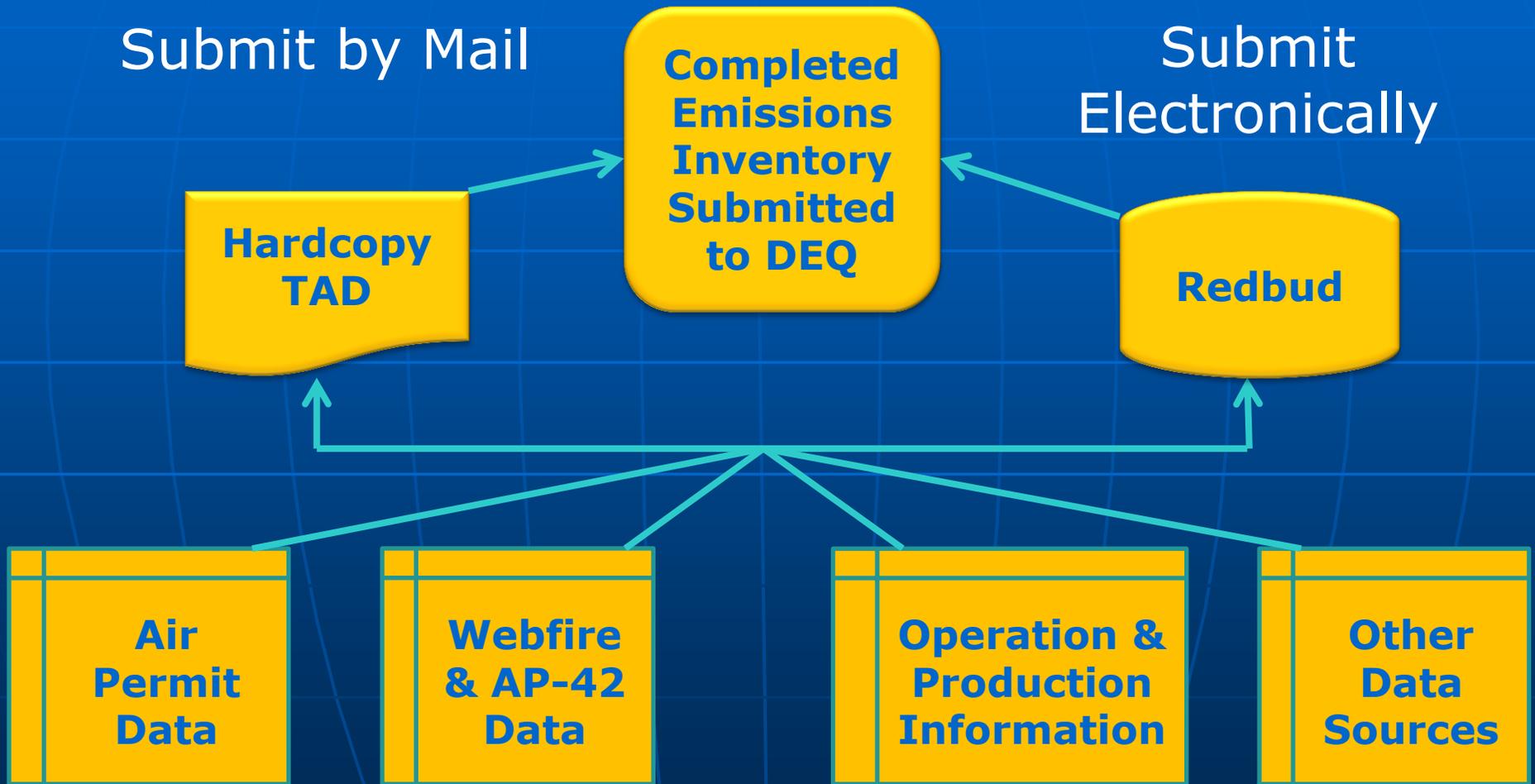


# Permit by Rule (PBR) Facilities

- PBR facilities will be first invoiced in 2016 based on CY 2014 emissions
- Annual Operating Fees will be based on the most recently reported annual inventory thereafter
- PBR facilities may wish to submit a more recent inventory if production has decreased

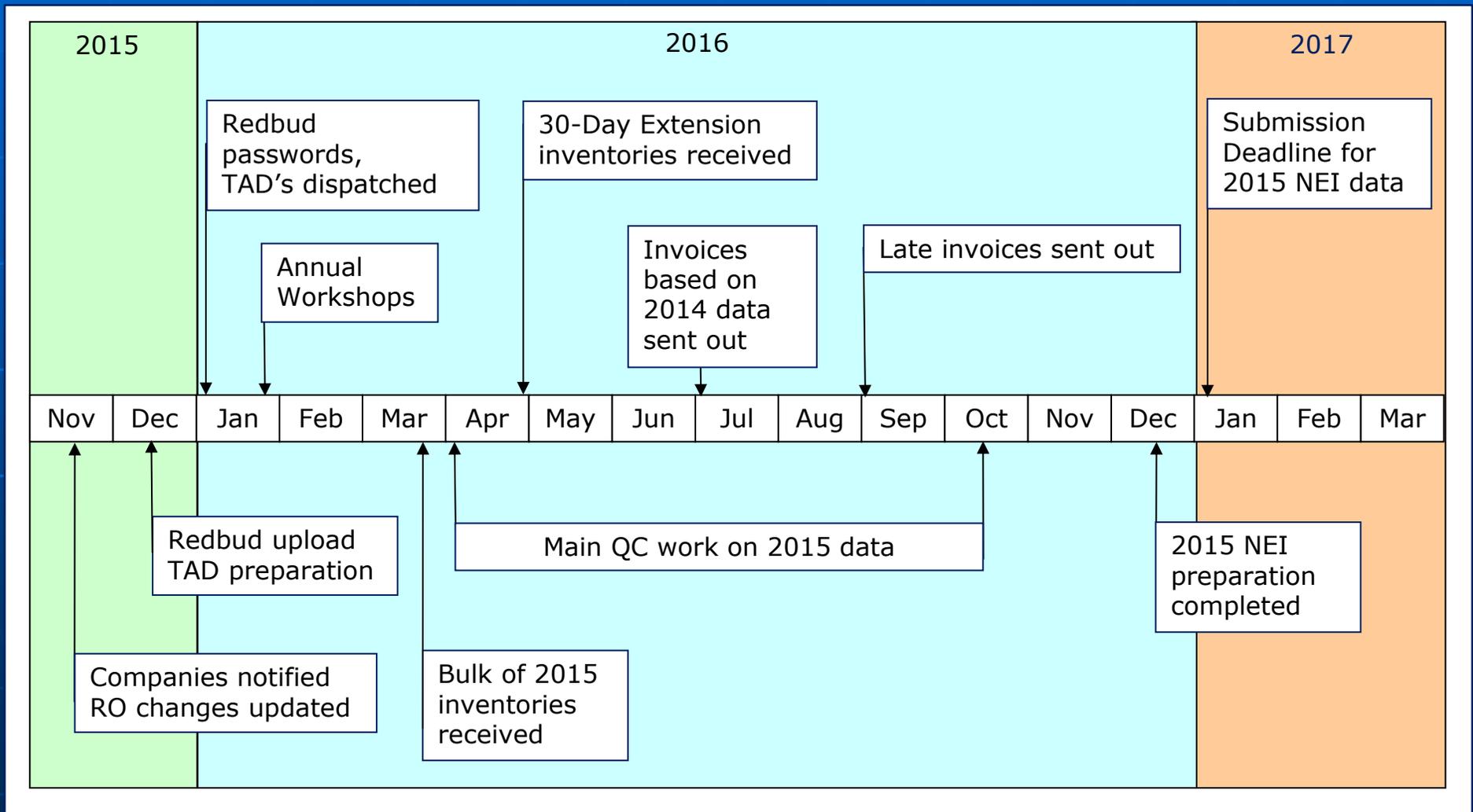
# The Emissions Inventory Data Flow

# The Emission Inventory Data Flow



# The Annual Reporting Cycle

# The Emissions Inventory Annual Reporting Cycle



# What's New for 2015?

# What's New for 2015 Reporting?

- Only new PBR facilities have to report for 2015
- Report Total VOC *plus* HAPs correctly
- Chrome – Use specific categories to report
- Redbud – Final submission confirmation page, improvements for Internet Explorer compatibility

More information on these topics:

[www.deq.state.ok.us/aqdnew/emissions/CY2015EmissionsReportingUpdates.pdf](http://www.deq.state.ok.us/aqdnew/emissions/CY2015EmissionsReportingUpdates.pdf)

# Lower Emission Amount Reporting Guidance

# Lower Emission Amount Reporting Guidance

- There is no lower reporting limit in our rules
- AQD provides reporting guidance that is “prudent & practical”
- Our current guidance is that if during normal operation, emissions are  $\geq 0.1$  tons of any regulated air pollutant at a process then the emissions must be reported
- There are certain key exceptions

# Lower Emission Amount Reporting Guidance

- Emissions must still be reported at 0.001 tons or greater per process for:
  - Lead, mercury & hexavalent chromium
  - Any HAP at a facility that is also reported to the TRI
  - Any HAP from glycol dehydration still vents
  - Any HAP from large storage tanks (>500 BBL)
  - Other situations where deemed necessary

# Lower Emission Amount Reporting Guidance

- You can continue to report down to 0.001 tons per process if you choose to
- The Trace Checkbox is still available for <0.001 tons if you wish to use this
- Contact us to discuss removing unnecessary pollutants that may still be in your inventory

- More info on our website:

[http://www.deq.state.ok.us/aqdnew/emissions/EI\\_FAQs.htm](http://www.deq.state.ok.us/aqdnew/emissions/EI_FAQs.htm)

# Resources & Help



Oklahoma Department of Environment and Conservation

air quality • water quality • land protection



## Emissions Inventory

**New! 2015 Emissions Inventory**  
Our annual free workshop, **location, the Nation** February 3, 2015 at **location** offers a tiered attendance. Our focus is on **time**. However, expect to discuss specific

**Introduction to Emissions Inventory**  
Each year DEQ compiles a list of **and contaminants** from the

- Point sources – Point sources are emissions that release pollutants such as manufacturing facilities, consumer products, and distribution, various & Gas Area Sources

- Area sources - Area sources are typically too small, but they are grouped into classes of sources. Examples include facilities, consumer products, and distribution, various & Gas Area Sources

- Mobile source (on-road vehicle).

- Biogenic sources (natural, nonanthropogenic sources such as trees, crops, and microbial activity)

The annual Oklahoma Emissions Inventory utilizes previous year's emission data, dispersion modeling, development of emissions trends over time, and support to future planning. Summaries for the 2008 through 2013 Point Source Emissions are available for downloading.

[Forms](#)

[Multimedia](#)

[What's New](#)

[Air Rules](#)

[Education](#)

[Clean Diesel/Funding](#)

[Contact AQD](#)

[AQD Site Index](#)

[Air Quality Home](#)

## EMISSIONS INVENTORY HOME

[Redbud: Submitting Emissions Inventories on the web](#)

[General Instructions, Forms & Help](#)

[Emissions Inventory Workshop 2015](#)

[Emissions Inventory FAQs](#)

[Contact the Emissions Inventory Section](#)

[Skip to Main Content](#)

[PROGRAMS](#)

[Complaints & local services](#)



Air Quality Index

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**SIGN-UP FOR EMAIL HEALTH ADVISORIES**

[Air Quality Home](#)

**EMISSIONS INVENTORY HOME**

[Redbud: Submitting Emissions Inventories on the web](#)

[General Instructions, Forms & Help](#)

[Emissions Inventory Workshop 2015](#)

[Emissions Inventory FAQs](#)

[Contact the Emissions Inventory Section](#)

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# Need more help?

- Sometimes the workshop is just a starter
- You can e-mail or call us
- You are welcome to come into our office
  - Schedule a time if you need one-on-one help
  - Bring your laptop, spreadsheets & other pertinent information

[www.deq.state.ok.us/aqdnew/emissions/EIcontact.htm](http://www.deq.state.ok.us/aqdnew/emissions/EIcontact.htm)