

# Polk County Air Quality Division Stakeholder Meeting

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JANUARY 9<sup>TH</sup>, 2024 AT 9:00 A.M.

5885 NE 14<sup>TH</sup> STREET, DES MOINES



# Agenda

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- Introductions
- Program Services
- Program Finances
  - Budget
  - Fees
- Program Updates
  - Contract with Iowa DNR
  - Program Metrics
  - Ambient Air Monitoring
  - Senate File 558 and Chapter V Code Revisions
  - EZAPP Construction Permit Portal
  - New Construction Permit Format
  - Portable Plant Guidance
- Questions/Open Discussion



Image source: <https://ar.javamem.com/pictures/board-meeting-clipart>

# Program Services

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# Minor Sources (~1,200)

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## PERMITTING

- Construction permits
  - Application review/permit issuance
  - Calculations
  - 30 day turn-around-time goal
- Operating permits
- Air dispersion modeling

## COMPLIANCE

- Compliance evaluations (3 year cycle)
- Permit determinations
- Portable equipment tracking
- Stack test observations

# Major Sources (20)

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## PERMITTING

- Construction permits
  - Application review/permit issuance
  - 30 day turn-around-time goal
- Title V Operating Permits (4 per year)
- Air dispersion modeling reviews

## COMPLIANCE

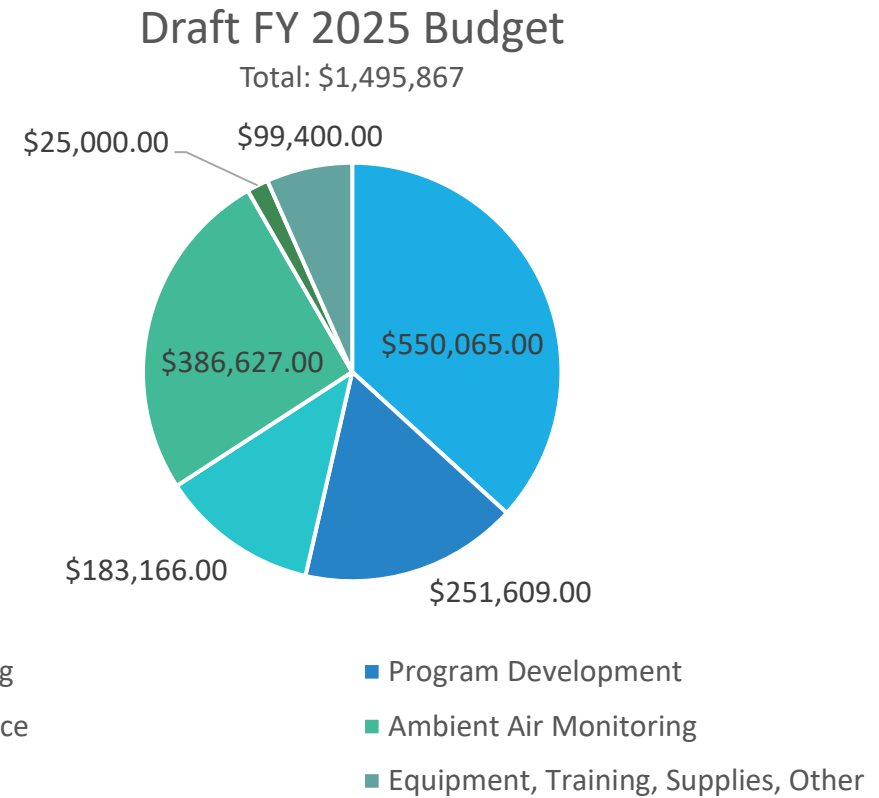
- Compliance evaluations (yearly)
- Semiannual and annual compliance certification reviews (SAMR / ACC)
- Applicability determinations
- Stack test observation and review

# Program Finances

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# Budget

- Status quo budget requested by DNR
- Budget assumes:
  - No change in:
    - Title V emission inventory
    - EPA 103 Grant
    - EPA 105 Grant
  - Reductions in:
    - AAM equipment
    - AAM vendor training
    - Indirect cost



# Fees

- 3.7% increase department-wide
- Notable changes:
  - Added case-by-case Major Source Construction Permit Reopening
  - Changed names of burn permit categories for clarity
- Full fee schedule located: <https://www.polkcountyowa.gov/public-works/air-quality/forms-resources/>

2024 Fee Schedule Snapshot		
Minor Source Construction Permit Application	\$615.00	One-time
Major Source Construction Permit Application	\$2,069.00	One-time
Major Source Construction Permit Reopening	\$115.00	Hourly
Minor Source Operating Permits [point sources or fuel burning equipment <2,500,000 Btu/hr]	\$102.00	Per emission point
[refuse burning equipment or fuel burning equipment >2,500,000 Btu/hr]	\$370.00	
Title V Operating Permits	*Per DNR Fee Schedule	Hourly
Minor Source Applicability Determination	No Charge	---
Major Source Applicability Determination	\$1,122.00	One-time





# Program Updates

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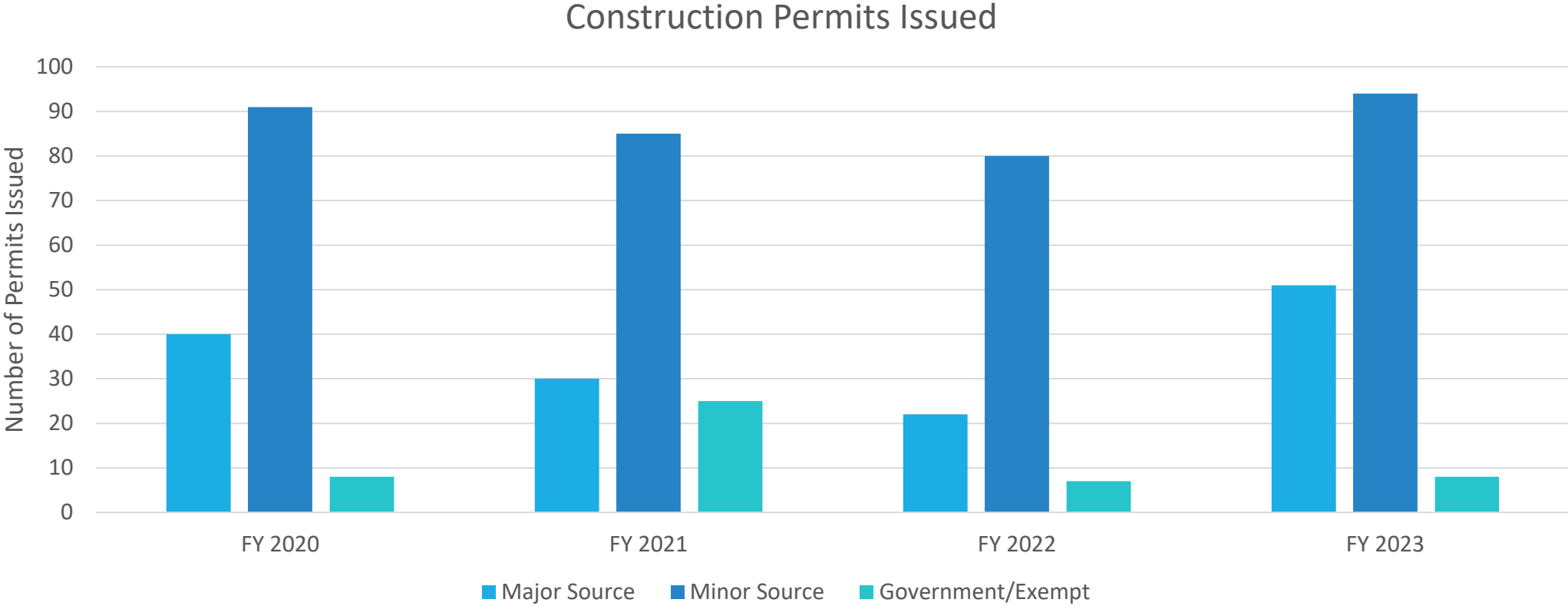
# Contract with IDNR

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- Contract Staffing Requirements
- Iowa 28E Agreement

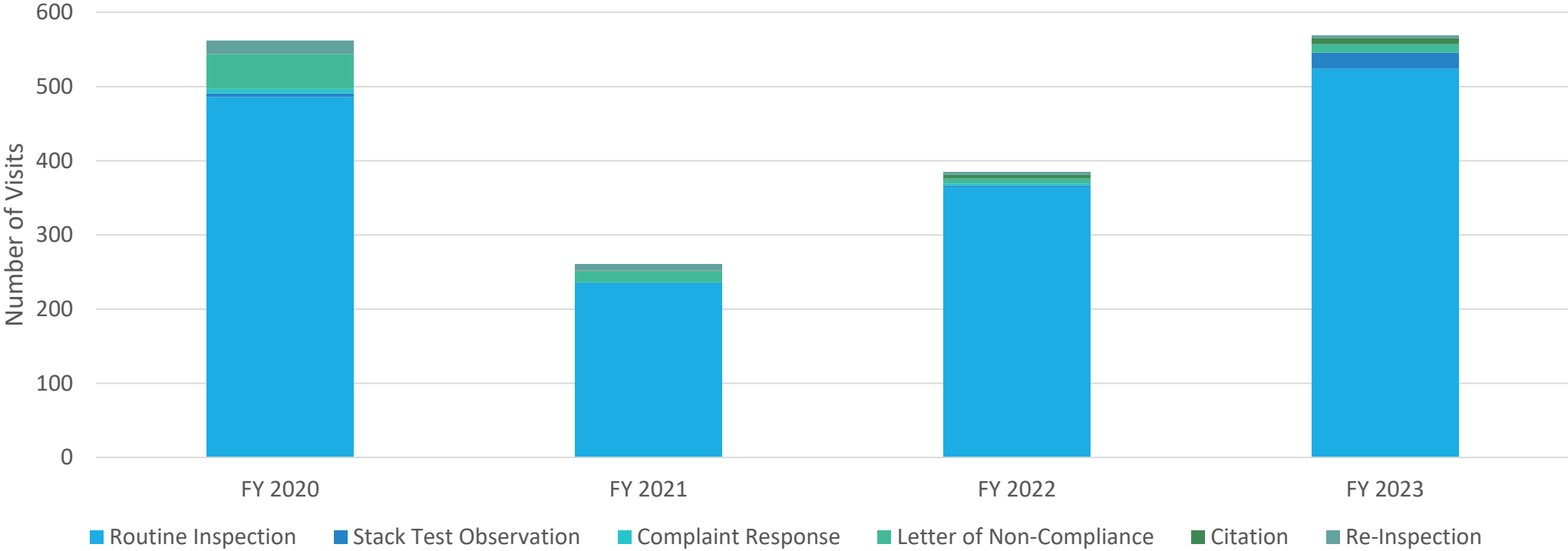
Position	FTE
Air Quality Division Manager	1.00
Air Permit Engineer	3.00
Air Quality Specialist	3.00
Air Quality Compliance Technician	2.00
Air Quality Administrative Support Staff	1.00
<b>Total FTE</b>	<b>10.00</b>

# Program Metrics – Construction Permitting

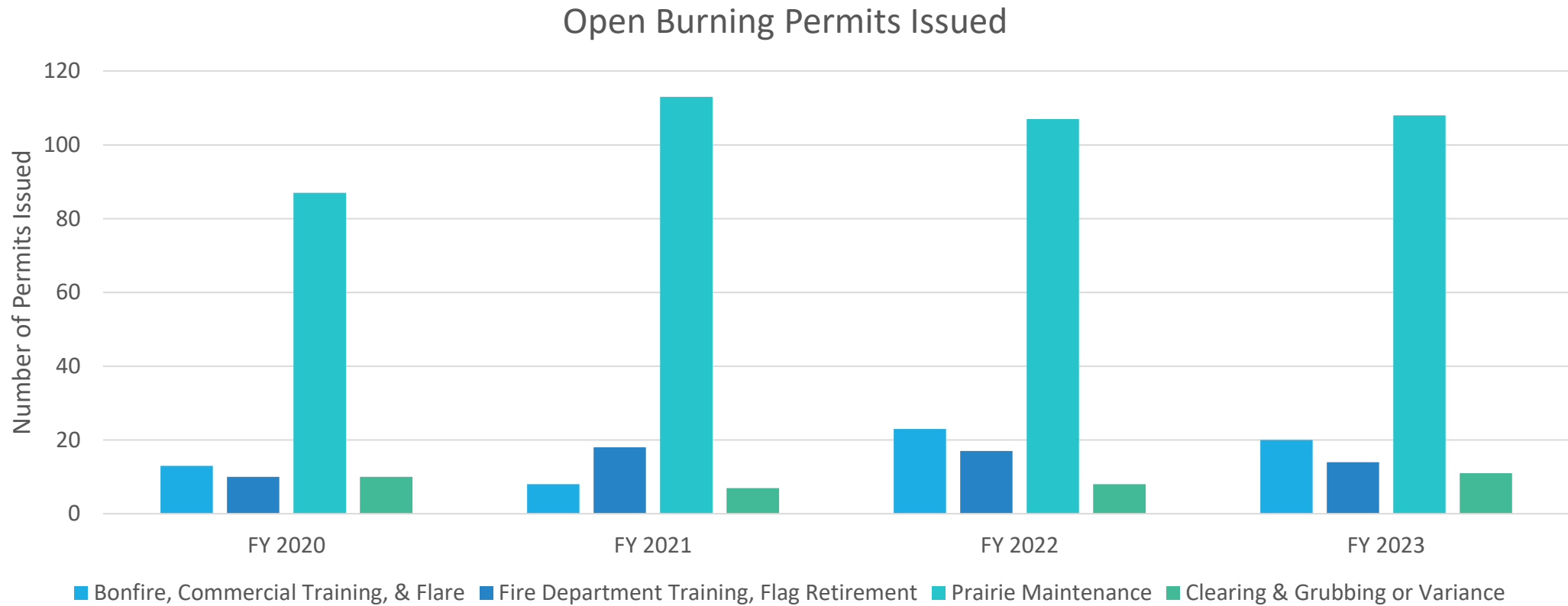


# Program Metrics – Compliance

Compliance Assistance Visits



# Program Metrics – Open Burning



# Ambient Air Monitoring

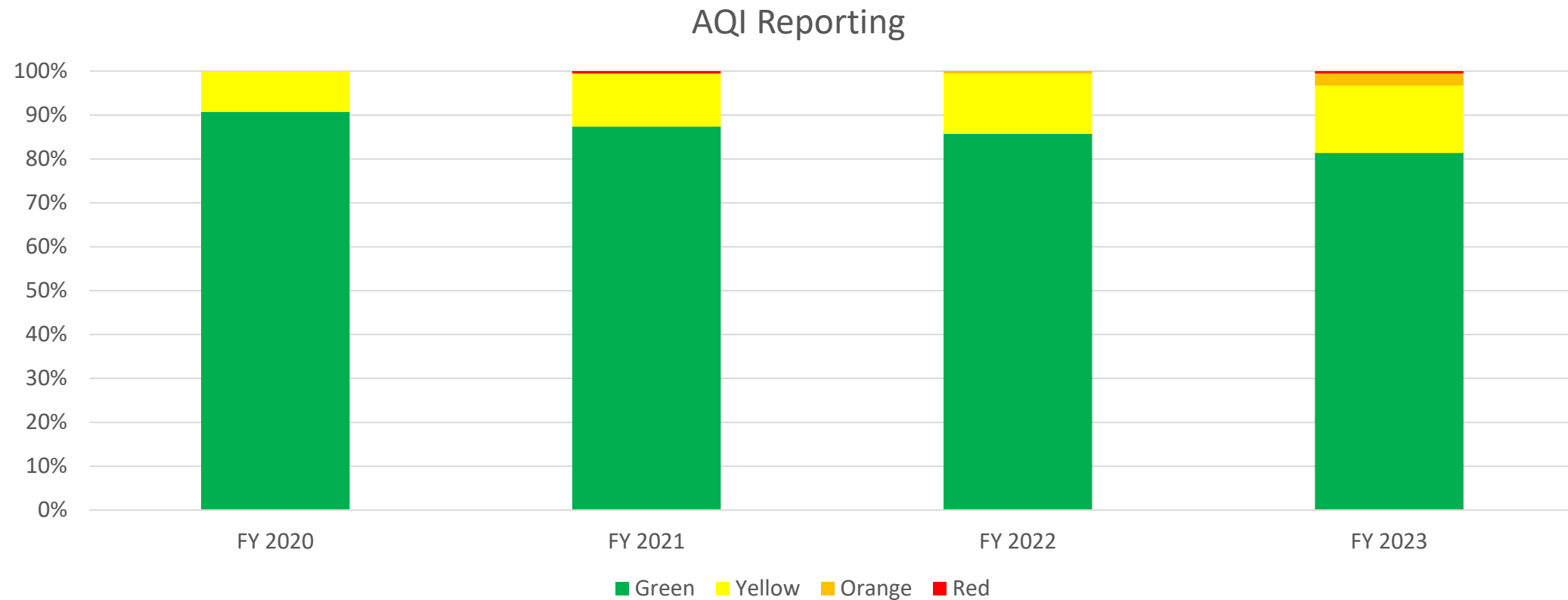
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## What's New:

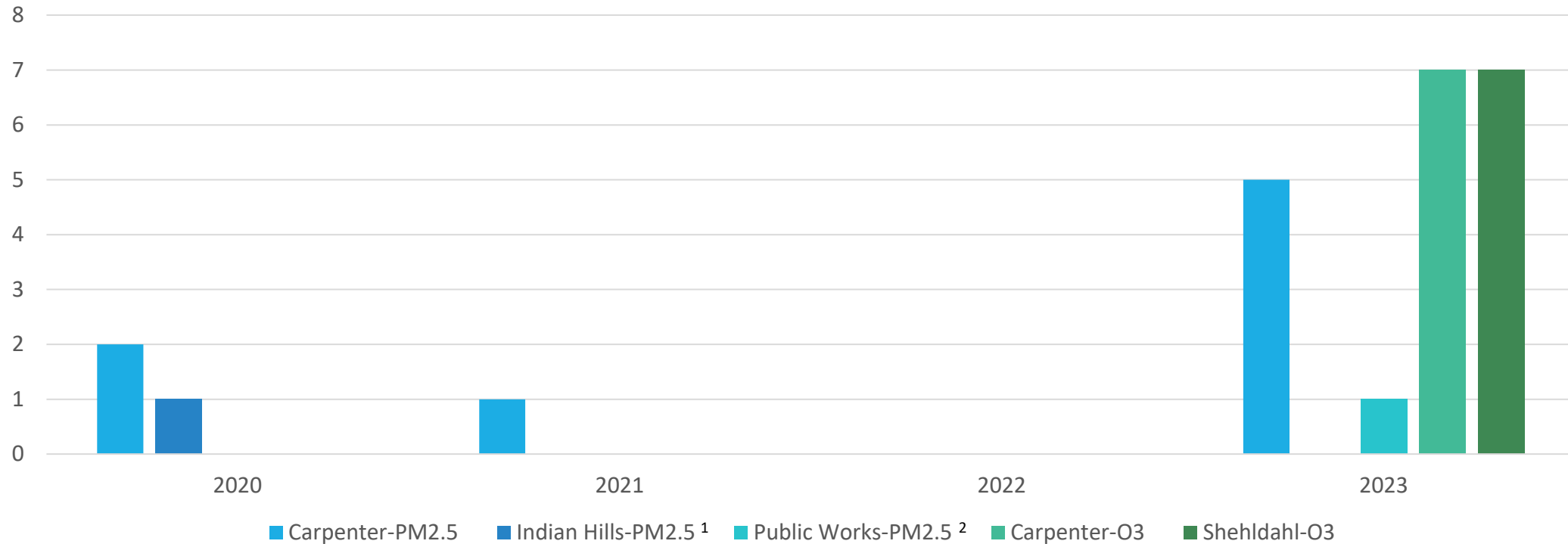
- New monitoring site at Public Works
  - Samples for Particulate Matter (PM)
  - Meteorological data: wind speed and direction
  - Citizen Science Center
- Received American Rescue Plan (ARP) funding
  - \$88,199 for new analyzers/data loggers
  - Equipment to be in operation by 1/1/2024
- Submitted proposal for Inflation Reduction Act (IRA) of 2022 Needs Assessment
  - Provides funding to establish a new monitoring site in low-income and disadvantaged communities
  - EPA to post grant guidance Early 2024

# Air Quality Index (AQI) Advisory Reporting



# National Ambient Air Quality Standards (NAAQS) Exceedances

Annual NAAQS Exceedances in Polk County



<sup>1</sup> Indian Hills PM2.5 was discontinued 12/31/2022

<sup>2</sup> Public Works PM2.5 started operation 1/1/2023



# Senate File 558 and Chapter V Code Revisions

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- Senate File 558
- Chapter V Code is currently being revised
- Consistency analysis
- Meetings planned with DNR
- Estimated to be effective sometime in 2024

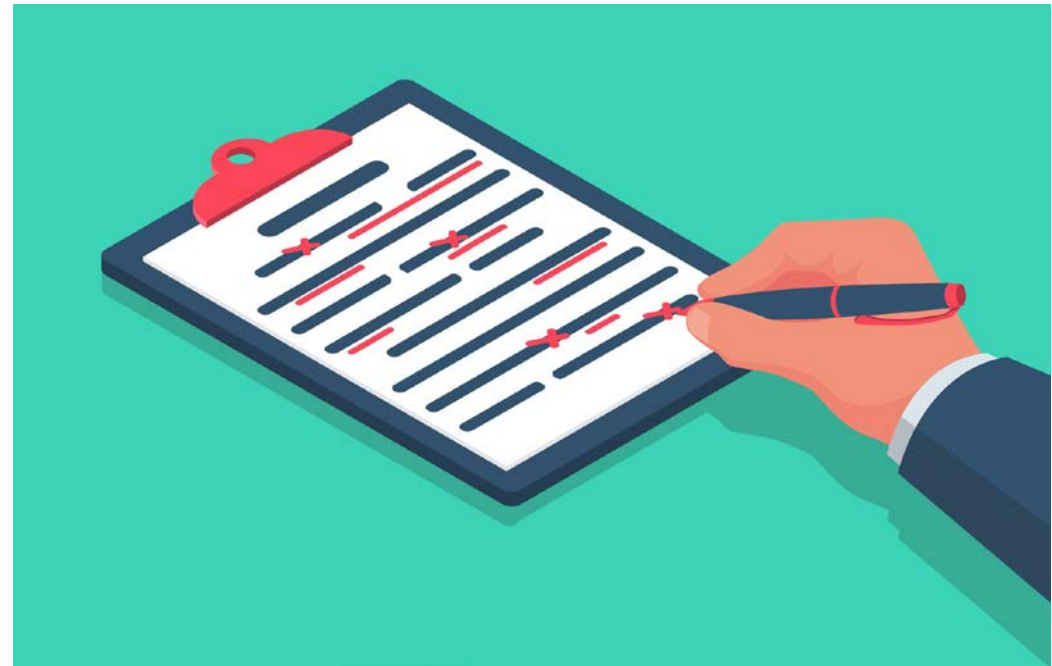
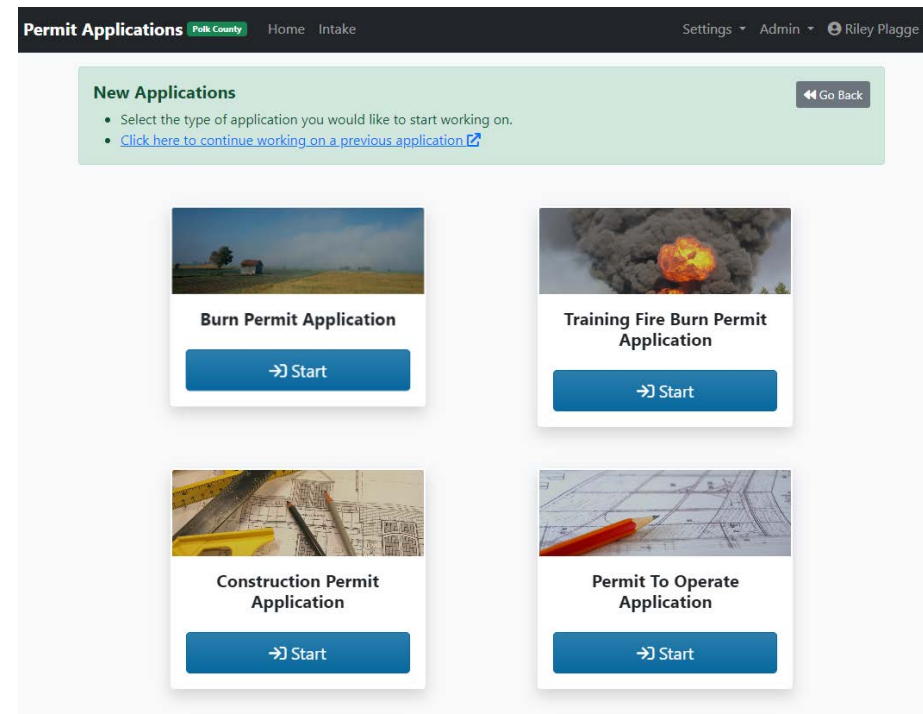
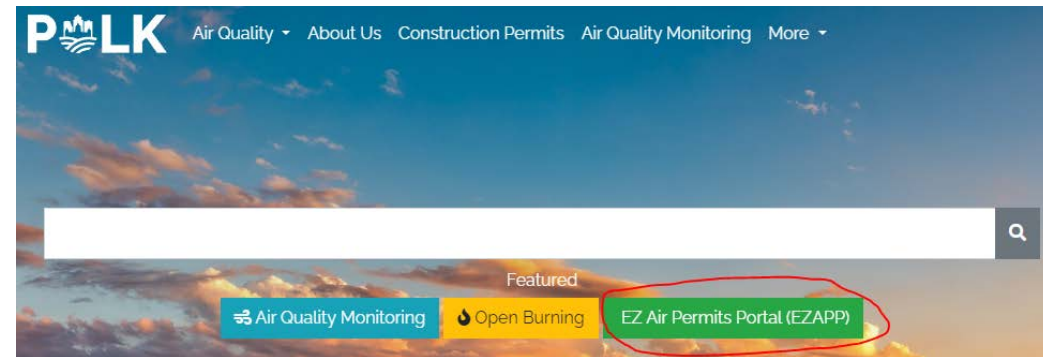


Image source: <https://www.intellitext.de/en/services/proofreading-editing/>

# EZAPP Construction Permit Portal

- Link is on our website
- RO Signature page:  
<https://www.polkcountyiowa.gov/public-works/air-quality/construction-permits/>
- Hard-copy forms still accepted
- For questions on the portal, contact Riley Plagge





# Air Quality Construction Permit

Construction Permit Number: **\*\*\*DRAFT\*\*\***

Plant Number (AIRS):

Company:

Contact Person:  
{NAME}  
{TITLE}

Responsible Party:  
{NAME}  
{TITLE}

{PHONE}  
{EMAIL ADDRESS}

{PHONE}  
{EMAIL ADDRESS}

{STREET ADDRESS}  
{CITY}, {STATE} {ZIP}

{STREET ADDRESS}  
{CITY}, {STATE} {ZIP}

## Permitted Equipment

Emission Point ID:

Table 1 – Emission Unit(s) and Control Equipment:

EU ID	Description	Maximum Rated Capacity	Control Equipment Description and ID

Equipment Location: {STREET ADDRESS}  
{CITY}, IA {ZIP}

Issuance of this permit shall not relieve the owner or operator of the responsibility to comply fully with applicable provisions of the State Implementation Plan (SIP), and any other requirements of local, state, and federal law.

Table 2 – Project Issuance Information

EnerGov Number	Project Description	Stack Testing	Issuance Date	Expiration Date

{PERMIT WRITER NAME}  
{PERMIT WRITER JOB TITLE}



POLK COUNTY  
Leading the Way

# New Construction Permit Format

- Based on IDNR’s permit template
- Notable changes:
  - Where things are located on the permit
  - Permit History table

# Portable Plant Guidance

- Frequently Asked Questions document developed to assist with permitting
- Topics include:
  - Steps to obtain a construction permit
  - Flat fee if not operating in Polk Co. for the year
  - Updating equipment lists
  - Links to websites and forms
- Located:  
<https://www.polkcountyiowa.gov/public-works/air-quality/forms-resources/>



## POLK COUNTY AIR QUALITY DIVISION

### Portable Plants FAQ & Guidance

The purpose of this FAQ & guidance document is to clarify the necessary steps for portable plants moving operations into Polk County.

**1. Q: When do I need to notify Polk County when transferring portable equipment from one location to another within Polk County?**

A: Polk County Air Quality Division (PCAQD) must be notified at least fourteen (14) days before equipment relocation. Our [portable equipment relocation notice form](#) is located on our website.

**2. Q: My portable plant is already permitted with the Iowa DNR. What steps do I need to take if I am moving my portable plant into Polk County?**

A: Please send the following items to PCAQD:

- A copy of your Iowa DNR construction permit for the plant that is moving in.
- Current equipment list for the plant that is moving in.
- If this plant has been in Polk County before, send the Polk County assigned AIRS #.

Once the items listed above are received, PCAQD will adopt the Iowa DNR construction permit and incorporate it into a PCAQD annual operating permit.

**3. Q: My portable plant is not permitted with the Iowa DNR. I am planning to set up in Polk County first, but may eventually move my portable plant outside of Polk County. How do I approach construction permitting?**

A: Your first step will be to get a construction permit through the Iowa DNR. For assistance, you can contact the Iowa DNR Air Quality Construction Permit Help-line at 1-877-AIR-IOWA.

Once you have obtained your construction permit from Iowa DNR, proceed through the steps outlined in Q&A #2 in this document.

**4. Q: My portable plant is not permitted with the Iowa DNR. I am planning to set up in Polk County and have no plans to move my portable plant outside of Polk County. How do I approach construction permitting?**

A: You will work with PCAQD's construction permitting staff to permit your portable plant. This can be done either through Polk County's online EZAPP Construction Permit Portal or by using the downloadable forms on our website.

If you move your portable plant outside of Polk County in the future, you will need to apply for an Iowa DNR permit at that time.

This document is intended to serve as guidance only and may not be used as a substitute for reading and complying with all applicable statutes and rules or to legally bind Polk County Air Quality Division.

Document version: 11/27/2023



# Portable Plant Guidance – Who do I contact?

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- For compliance...  
Bridget McNerney
- For permitting...
  - Riley Plagge or Jennifer Bradley

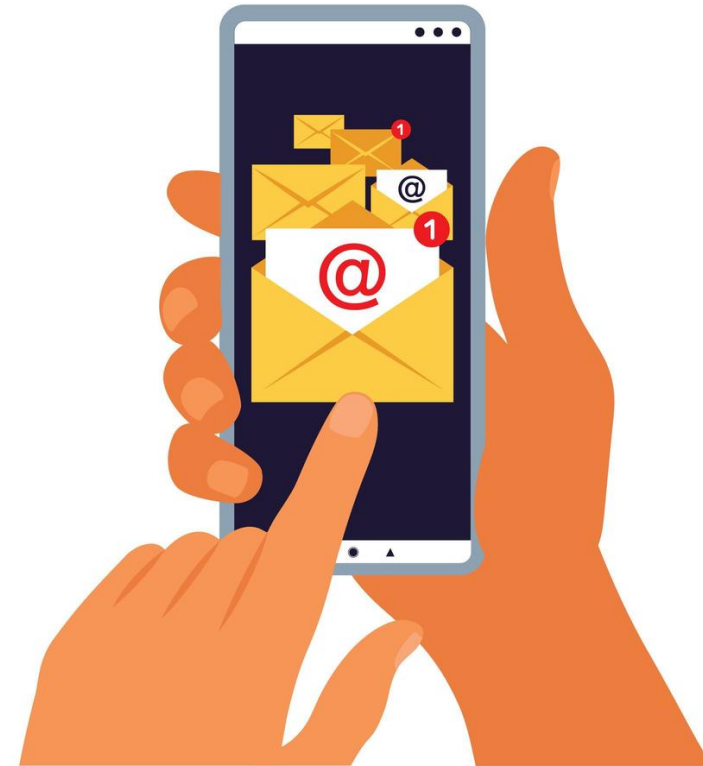


Image source: <https://www.vecteezy.com/vector-art/4746533-message-notification-concept-email-vector-illustration-flat>

# Questions/Open Discussion

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## Contact Air Quality

### [Jeremy Becker](#)

Air Quality Manager

(515) 286-2263

### [Jeff Gabby](#)

Air Permit Engineer

(515) 286-3389

### [Jennifer Bradley](#)

Air Permit Engineer

(515) 286-2227

### [Riley Plagge](#)

Air Permit Engineer

(515) 286-3271

### [Chad Hines](#)

Air Quality Specialist

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### [Jim Voigt](#)

Air Quality Specialist

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### [Jessica Moeller](#)

Air Quality Specialist

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Air Quality Compliance Technician

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### [David Tisl](#)

Air Quality Compliance Technician

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### [Ashley Davidson](#)

Multi-Service Clerk

(515) 323-5325

