



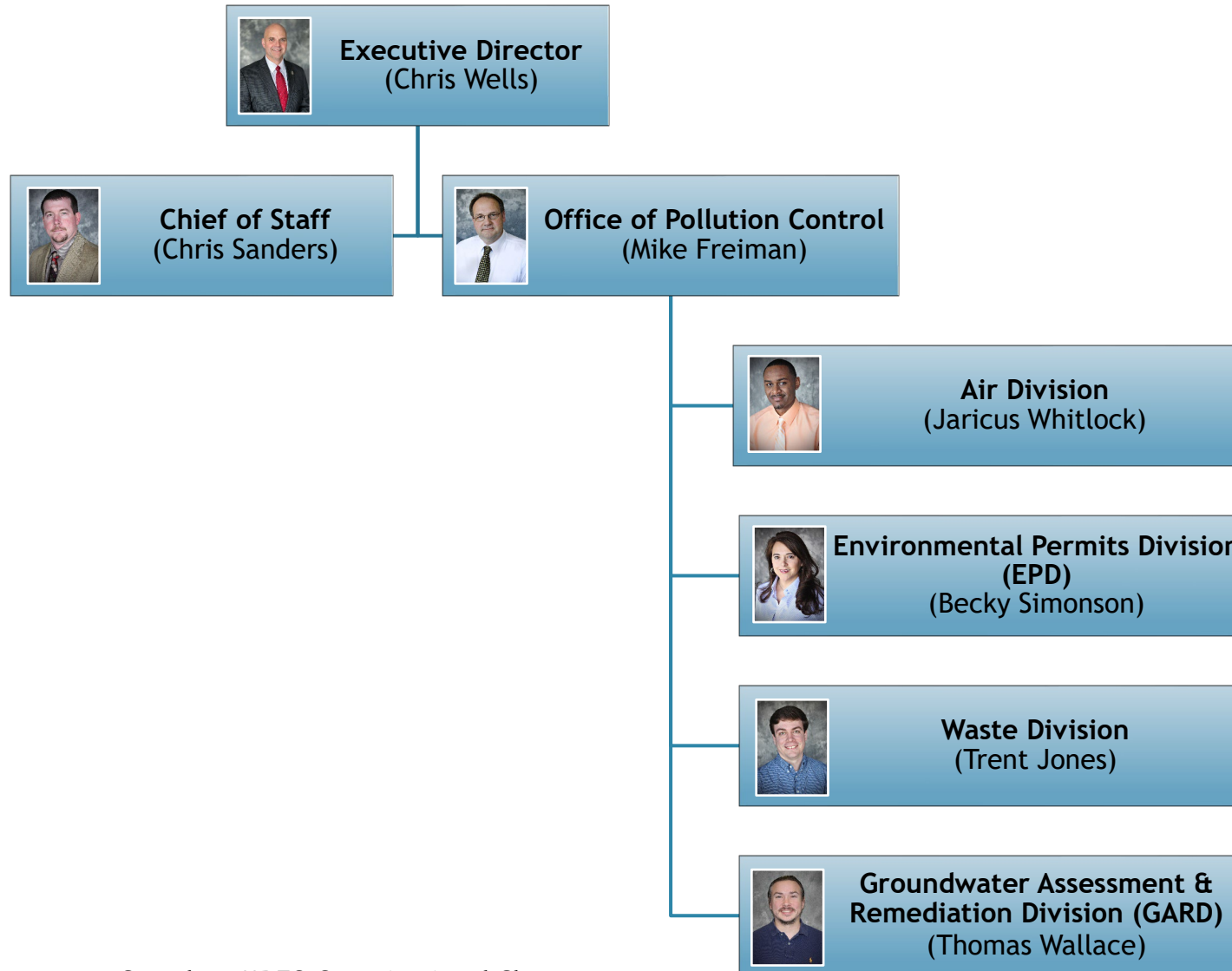
# **MDEQ Air Regulatory Updates**

## **2025 A&WMA Southern Section Conference**

Jaricus Whitlock  
Chief, Air Division  
Mississippi Department of Environmental Quality

August 29, 2025

# MDEQ Organizational Structure - Air & Waste



Complete MDEQ Organizational Chart

<https://www.mdeq.ms.gov/wp-content/uploads/2025/05/July-2025-Website-Org-Chart.pdf>

# Division Breakdown (Air Regulatory Responsibilities)

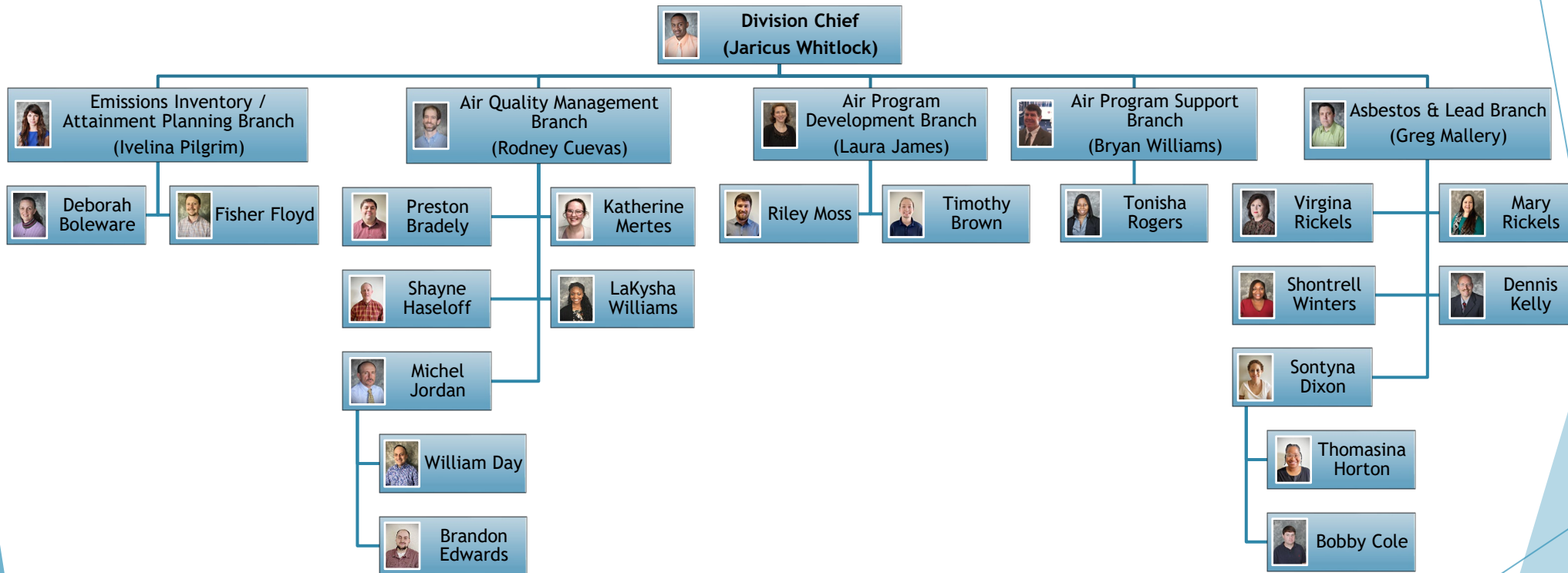
## Air Division

- ▶ State Implementation Plans (SIPs)
- ▶ State Plans
- ▶ Ambient Air Quality Monitoring
- ▶ PSD Modeling
- ▶ Risk Management Plan (RMP)
- ▶ MDEQ Air Regulations
  - Rule Revision & Adoption
- ▶ Emissions Inventory
- ▶ Asbestos Abatement Program (Parts 61 and 763)
- ▶ Lead-Based Paint Program

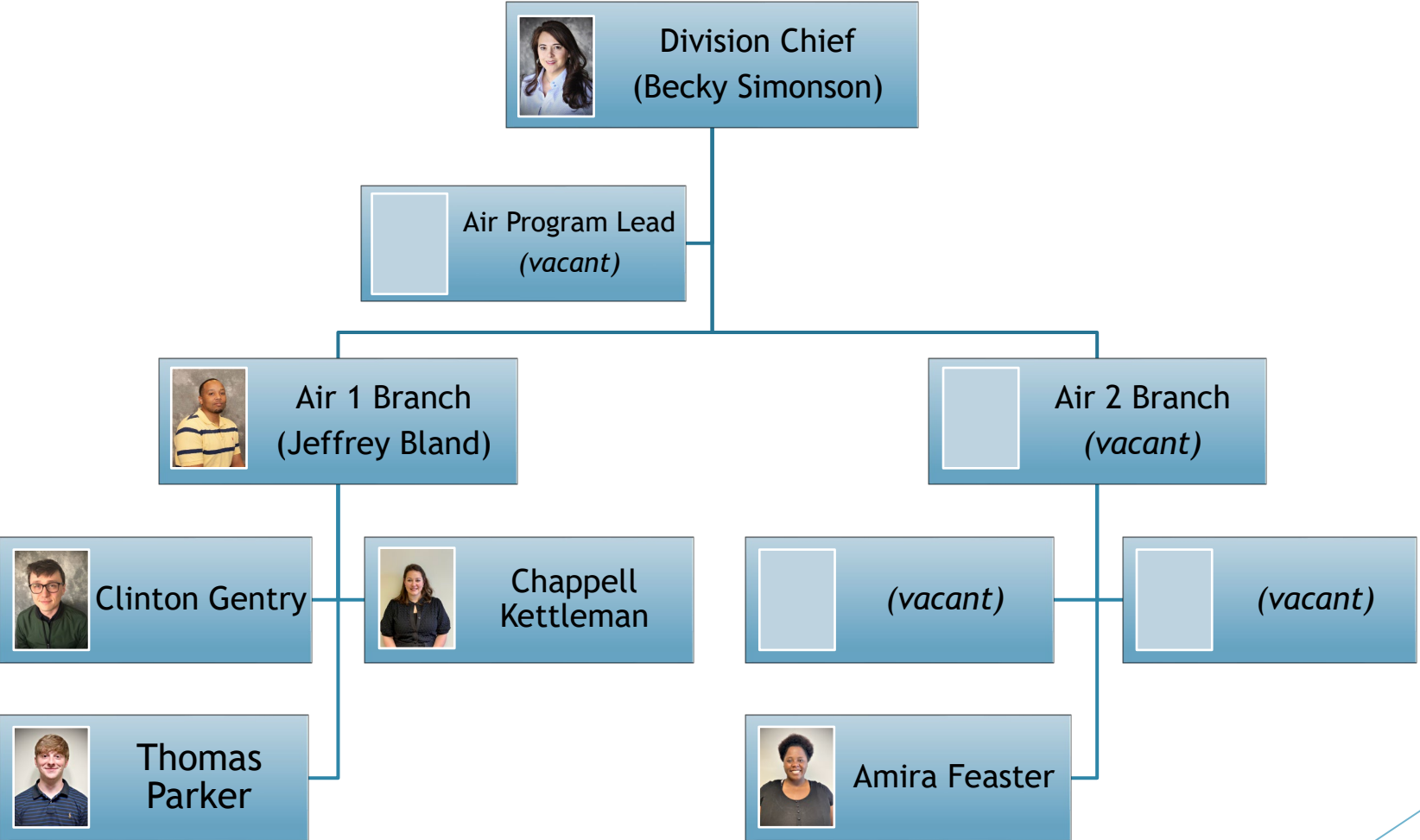
## Environmental Permits Division

- ▶ Permitting
- ▶ Permit Applicability
- ▶ Rule Applicability (Federal & State)

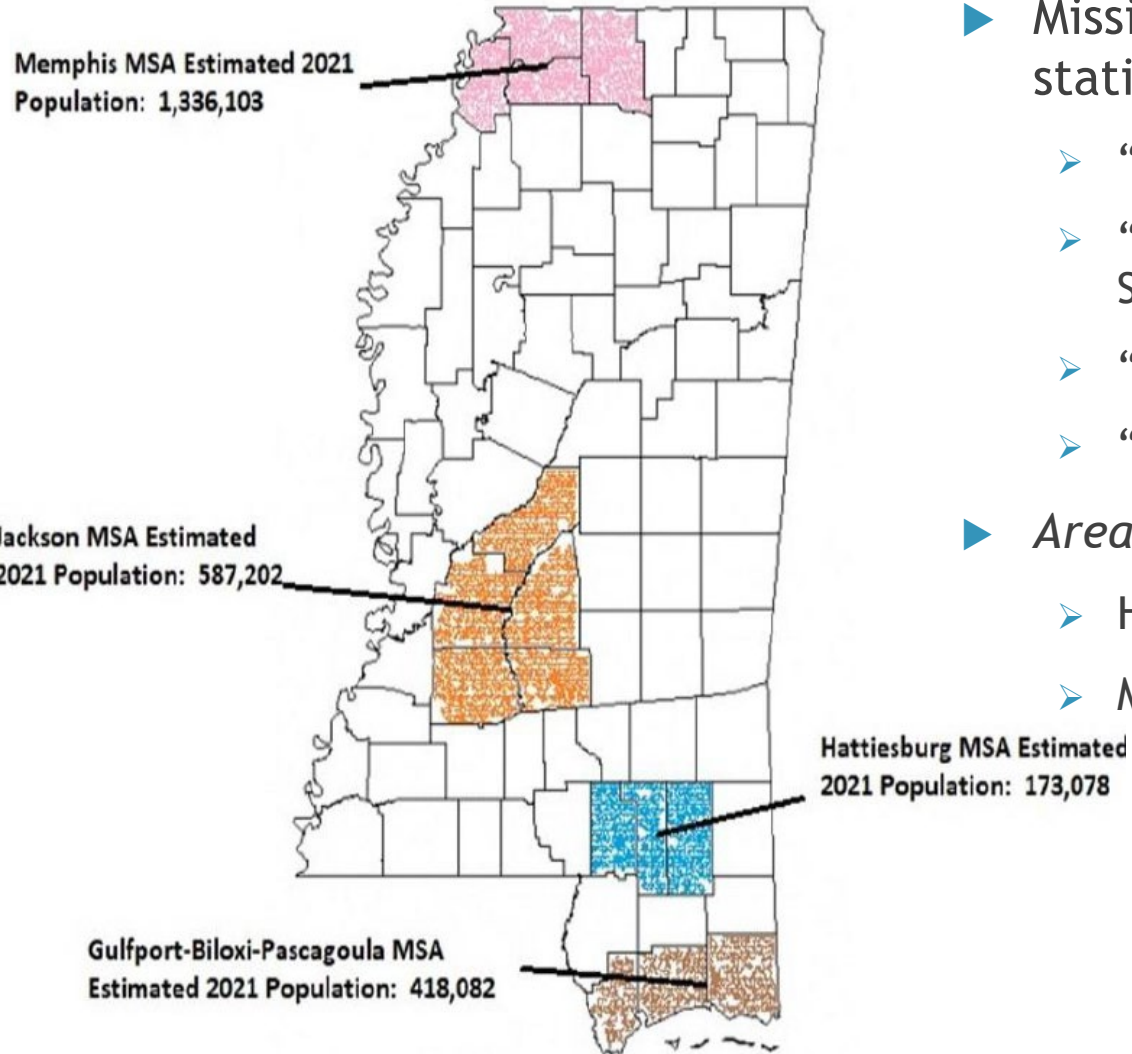
# Air Division Organizational Structure



# EPD Organizational Chart - Air Permitting



# MDEQ Air Regulatory Updates: Air Quality



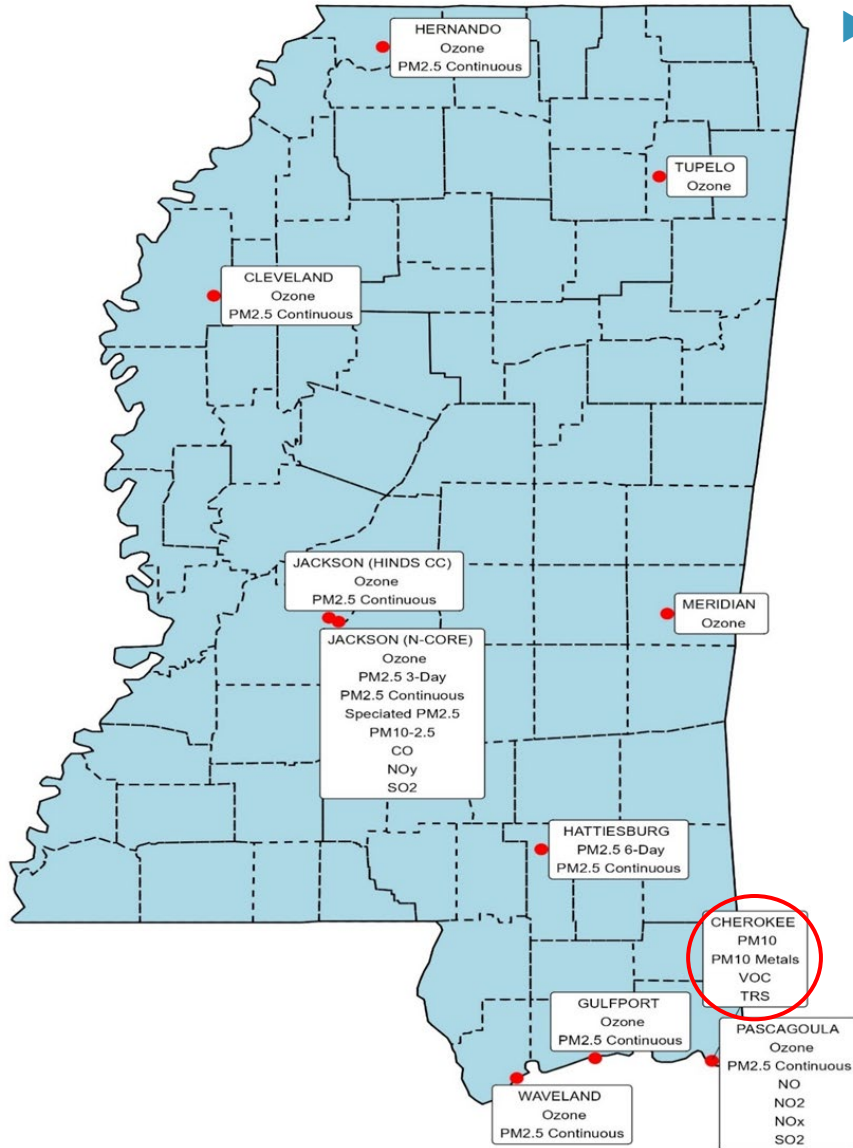
MISSISSIPPI MSA AREAS 2025

- ▶ Mississippi has four (4) metropolitan statistical areas (MSAs)
  - “*Memphis MSA*”: DeSoto, Tunica, Marshal, Tate
  - “*Jackson MSA*”: Hinds, Rankin, Copiah, Simpson, Madison
  - “*Hattiesburg MSA*”: Lamar, Forrest, Perry
  - “*Coastal MSA*”: Hancock, Harrison, Jackson
- ▶ *Areas of Priority:*
  - Hattiesburg MSA:  $PM_{2.5}$
  - Memphis MSA:  $PM_{2.5}$  and Ozone

# MDEQ Air Regulatory Updates: Air Quality

## ▶ Mississippi's Ambient Air Monitoring Network

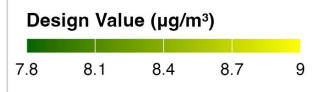
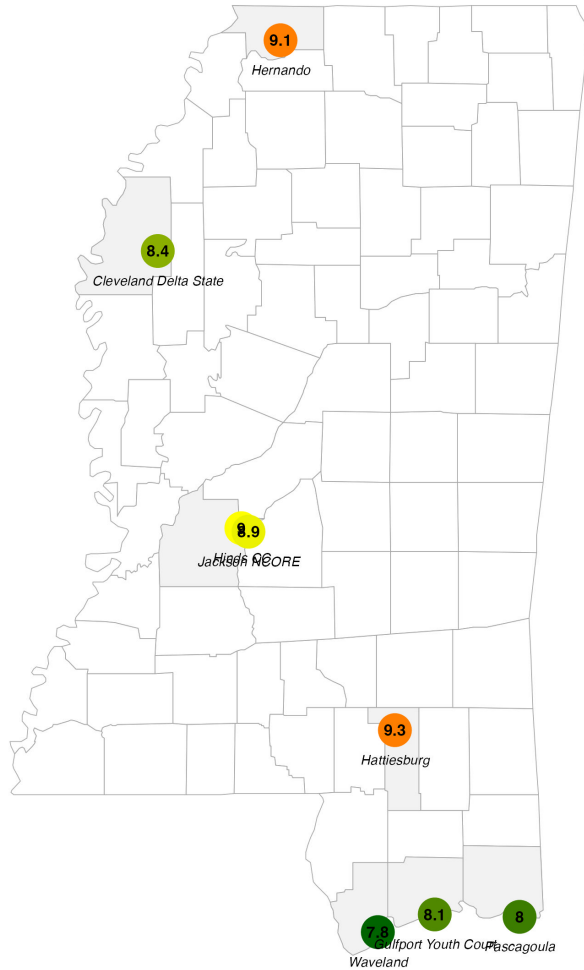
- Ten (10) monitoring stations for NAAQS compliance
- One (1) “Special Purpose Monitor” for a short-term air toxics study near the Cherokee community in Pascagoula (circled in red)



# MDEQ Air Regulatory Updates: Air Quality

## Mississippi PM2.5 Design Values (2024)

Annual average concentration ( $\mu\text{g}/\text{m}^3$ ) • NAAQS Standard:  $9.0 \mu\text{g}/\text{m}^3$



| Site                  | County   | Design Value ( $\mu\text{g}/\text{m}^3$ ) |
|-----------------------|----------|---|
| Cleveland Delta State | Bolivar  | 8.4                                       |
| Hernando              | DeSoto   | 9.1                                       |
| Hattiesburg           | Forrest  | 9.3                                       |
| Waveland              | Hancock  | 7.8                                       |
| Gulfport Youth Court  | Harrison | 8.1                                       |
| Hinds CC              | Hinds    | 9.0                                       |
| Jackson NCORE         | Hinds    | 8.9                                       |
| Pascagoula            | Jackson  | 8.0                                       |

# MDEQ Air Regulatory Updates: Air Quality

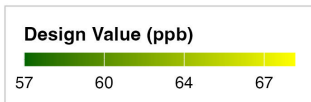
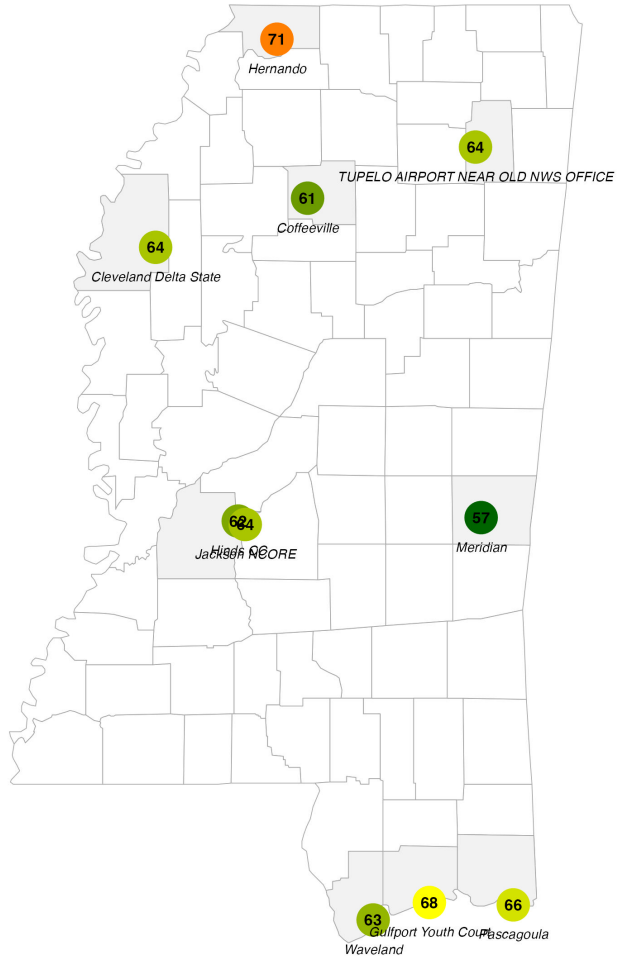
## ▶ Path Forward for Annual PM<sub>2.5</sub> NAAQS Attainment

- MDEQ has submitted a “Exceptional Events (EE) Demonstration” for the Hattiesburg station (Feb. 3, 2025) and the DeSoto County station (Aug. 21, 2025), respectively.
  - Awaiting final decision on Hattiesburg EE Demonstration and initial feedback on DeSoto County EE Demonstration from EPA.

# MDEQ Air Regulatory Updates: Air Quality

## Mississippi Ozone Design Values (2024)

8-hour average concentration (parts per billion) • EPA Standard: 70 ppb



| Site                               | County     | Design Value (ppb) |
|------------------------------------|------------|--------------------|
| Cleveland Delta State              | Bolivar    | 64                 |
| Hernando                           | DeSoto     | 71                 |
| Waveland                           | Hancock    | 63                 |
| Gulfport Youth Court               | Harrison   | 68                 |
| Hinds CC                           | Hinds      | 62                 |
| Jackson N CORE                     | Hinds      | 64                 |
| Pascagoula                         | Jackson    | 66                 |
| Meridian                           | Lauderdale | 57                 |
| TUPELO AIRPORT NEAR OLD NWS OFFICE | Lee        | 64                 |
| Coffeeville                        | Yalobusha  | 61                 |

# MDEQ Air Regulatory Updates: Air Quality

## ▶ Path Forward for 8-Hour Ozone NAAQS Attainment

- Shelby County (Memphis), Arkansas DEQ, and MDEQ part of EPA's Ozone Advance Program.
- MDEQ is currently evaluating additional measures towards achieving attainment for Desoto County area.

# MDEQ Air Regulatory Updates: Programmatic

## ▶ Significant Updates to Air Regulations Underway

### ➤ **Chapter 1: *Regulations for the Prevention, Abatement, and Control of Air Contaminants***

- Review of existing emission standards
- Potential addition of NO<sub>x</sub> and VOC standards
- Revisiting existing open burning rules
- Federal rule adoption by reference

### ➤ **Chapter 2: *Permit Regulations for the Construction and/or Operation of Air Emissions Equipment***

- Refinement of minor NSR program - closing perceived loophole; exploring certain permitting exemptions
- Development Air Toxics Program / Modeling Guidelines

# MDEQ Air Regulatory Updates: Programmatic

## ▶ Status of Pertinent Plans

- ***Regional Haze Plan (2<sup>nd</sup> Round)*** - still evaluating comments related to the application of a 4-factor analysis
- ***2<sup>nd</sup> 10-Year 2008 8-Hour Ozone Maintenance Plan*** - currently in the 30-day review period for Interagency Consultation (IAC)
- ***Subpart Cf Landfill State Plan*** - scheduled to incorporate into the agency's Chapter 1 air regulations
- ***Subpart 0000c Oil & Gas State Plan*** - currently on-hold

# MDEQ Air Regulatory Updates: Programmatic

## ▶ Transition to Electronic Platforms for Air Programs

- “Annual Emissions Reporting Form” (AERF) e-submittals for the Title V Fee Program
- “Annual Emissions Reporting Requirement” (AERR) Rule
  - Utilizing EPA’s “Combined Air Emissions Reporting System” (CAERS)
- E-Notice for Environmental Permitting
  - <https://opcgis.deq.state.ms.us/ensearchonline/epd-permits-at-public-notice.aspx>
  - Sign up to receive notifications on e-notice: <https://www.mdeq.ms.gov/permits/public-notice-notifications/>
- Asbestos and Lead Based-Paint Abatement Accreditation Program (*coming soon*)

# MDEQ Air Regulatory Updates: Programmatic

## Title V Fee Structure

### Emission Portion

- ▶ \$27/ton of pollutant emitted (reduced from \$32/ton)
- ▶ No individual pollutant cap
- ▶ Adjusted tiered-minimum emissions fee for facilities with total actual emissions less than 100 tons

### Complexity Portion

- ▶ Assessed by “applicable standards” found in 40 CFR Parts 60, 61, 63, and 68.
- ▶ Fee structure remains unchanged

| Tiered Maintenance Fee         |                      |
|--------------------------------|----------------------|
| Number of Applicable Standards | Maintenance Fee (\$) |
| 0 - 2                          | \$1,500              |
| 3 - 5                          | \$4,000              |
| > 5                            | \$10,000             |

# MDEQ Air Regulatory Updates: Programmatic

## ▶ Ending of Clean Air Mississippi Project (CAMP)

- ▶ CAMP is a product of Climate Pollution Reduction “Planning” Grant funding (\$3,000,000) received in June 2023.
  - Created to more effectively promote the intended goals of the grant.
- ▶ Due to several contributing factors, MDEQ has decided to formally end CAMP and deobligate remaining planning phase funds.

# MDEQ Update: Request for Qualifications - Support Engineering / Technical Services

- ▶ MDEQ is soliciting written Statement of Qualifications (SOQs) from qualified entities to provide professional engineering services and related technical services to support programmatic needs.
  - Agency-wide “programmatic needs” span twenty-two (22) Task areas (e.g., Environmental and Ecological Assessments; Technical Support for Groundwater Assessment and Remediation; Environmental Air Permitting; Environmental Air Modeling and Monitoring)
  - “Entities” = companies, organizations, or individuals
- ▶ For more information, visit <https://www.mdeq.ms.gov/about-mdeq/procurements/> and select the link “*Request for Qualifications for Professional Engineering Services and Related Technical Services to Support MDEQ*”
- ▶ **SOQ Submittal Deadline:** October 6, 2025, at 3:30 PM (unless otherwise modified)

# MDEQ Update: Contractor Assistance with Permits and Certifications

- ▶ Mississippi Senate Bill 2649 (Apr. 19, 2024) - better known as the “Contractor Bill”
  - Authorized MDEQ to enter into contracts for assistance with reviewing, evaluating, and processing permit and certification applications
- ▶ Procedure now in place and available for use.
- ▶ Key Points:
  - ***Completely Optional:*** Traditional permitting options will still be available.
  - ***Cost Responsibility:*** Applicants seeking these contractual services will be responsible for covering all additional costs related to the review process.

# MDEQ Updates

## ▶ Air Division E-Notification System

- ▶ Sign up to receive updates on air-related topics:
  - Plans & Regulations
  - Air Program Updates
  - Air Quality Updates
  - Emission Reduction Updates
- ▶ <https://www.mdeq.ms.gov/air/air-division-notifications/>

# QUESTIONS?

Jaricus Whitlock

601-961-5303

[jwhitlock@mdeq.ms.gov](mailto:jwhitlock@mdeq.ms.gov)