



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Air Quality Division

Annette Switzer, Air Quality Division Director

Air Quality Division - FY26 Priorities



Continue
Attainment
Planning



Permit Programs



MiEnviro Portal



Staff Development

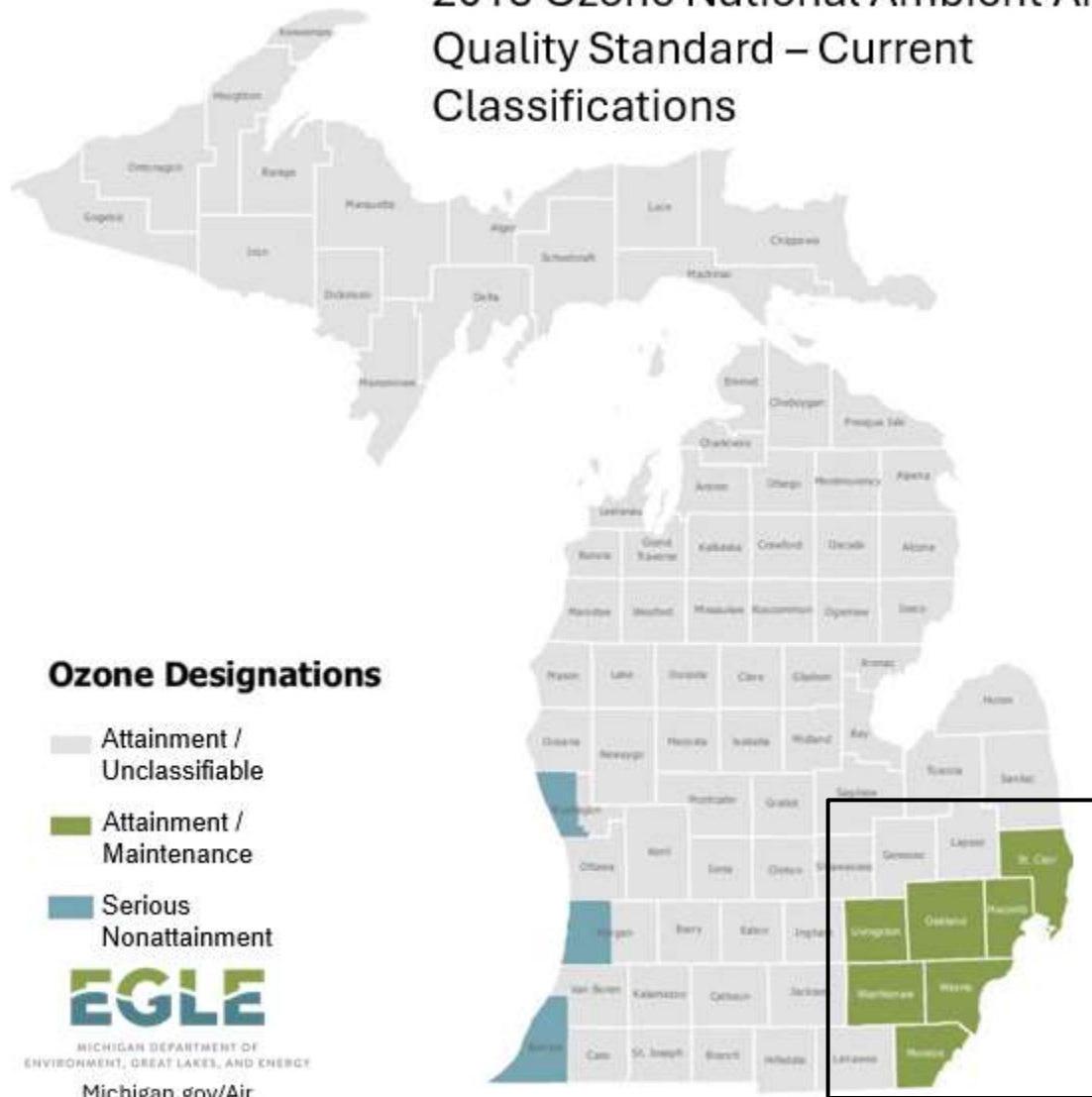
The Air Quality Division

Air Quality
Division staff ensure
Michigan's air remains
clean by regulating
sources of air
pollutants to minimize
adverse impacts on
human health and the
environment.



NAAQS Attainment Status Map

2015 Ozone National Ambient Air Quality Standard – Current Classifications



January 16, 2025



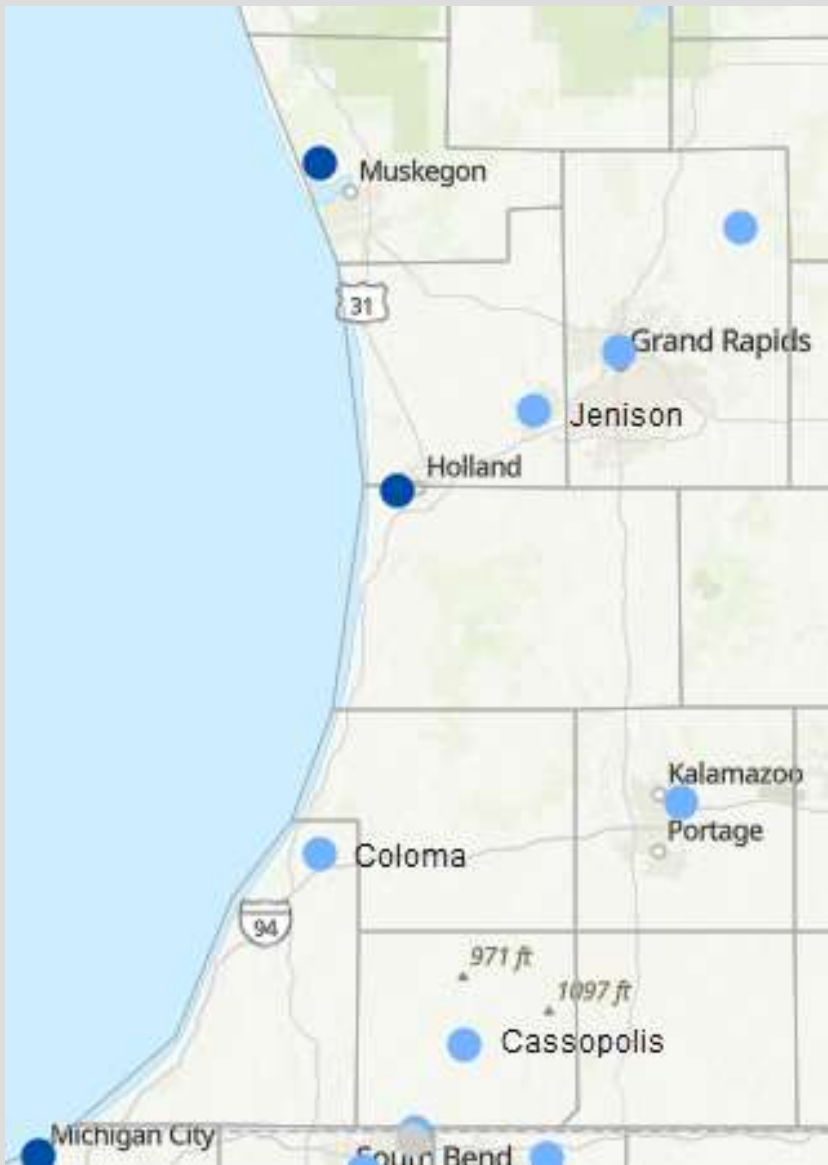


Southeast Michigan Ozone

- 7 Counties – Monroe, Wayne, Washtenaw, Livingston, Oakland, Macomb, St. Clair
- Maintenance



West Michigan Ozone



Key Monitor	2020 - 2022 Design Value (ppb)	2021-2023 Design Value (ppb)	2022-2024 Design Value (ppb)	2023-2025 Preliminary Design Value (ppb)**
Muskegon	79	77*	76*	72*
Jenison	71	70	70	69
Holland	75	75	74	74
Coloma	73	73*	72*	71*
Cassopolis	70	70	69	70

* Exceptional Events Demonstration pending

** Preliminary data subject to quality assurance and validation.

2024

2025

2026

2027

2028

2029

2030

2031

2032

Revised Annual PM_{2.5} Standard

- Final Rule
 - Promulgation: Feb. 6, 2024
 - Effective: May 6, 2024
- Michigan Designation Recommendation
 - Submitted: Feb. 6, 2025
- Annual PM_{2.5} standard
 - 12 µg/m³ (2012)
 - 9 µg/m³ (2024)

16202 Federal Register / Vol. 89, No. 45 / Wednesday, March 6, 2024 / Rules and Regulations

ENVIRONMENTAL PROTECTION AGENCY
40 CFR Parts 50, 53, and 58

[EPA-HQ-OAR-2015-0072; FRL-8635-02-OAR]

RIN 2060-AV52

Reconsideration of the National Ambient Air Quality Standards for Particulate Matter

AGENCY: Environmental Protection Agency (EPA).

ACTION: Final rule.

SUMMARY: Based on the Environmental Protection Agency's (EPA's) reconsideration of the air quality criteria and the national ambient air quality standards (NAAQS) for particulate matter (PM), the EPA is revising the primary annual PM_{2.5} standard by lowering the level from 12.0 µg/m³ to 9.0 µg/m³. The Agency is retaining the current primary 24-hour PM_{2.5} standard and the primary 24-hour PM₁₀ standard. The Agency also is not changing the

Table of Contents

The following topics are discussed in this preamble:

Executive Summary

I. Background

A. Legislative Requirements

B. Related PM Control Programs

C. Review of the Air Quality Criteria and Standards for Particulate Matter

1. Reviews Completed in 1971 and 1987

2. Review Completed in 1997

3. Review Completed in 2008

4. Review Completed in 2012

5. Review Initiated in 2014

a. 2020 Proposed and Final Decisions

b. Reconsideration of the 2020 PM NAAQS Final Action

D. Air Quality Information

1. Distribution of Particle Size in Ambient Air

2. Sources and Emissions Contributing to PM in the Ambient Air

3. Monitoring of Ambient PM

4. Ambient Concentrations and Trends

a. PM_{2.5} Mass

b. PM_{2.5} Components

c. PM₁₀

d. PM_{10-2.5}

e. UFP

5. Characterizing Ambient PM_{2.5} Concentrations for Exposure

a. Predicted Ambient PM_{2.5} and Exposure

1. Background on the Current Standard

2. Overview of Health Effects Evidence

a. Nature of Effects

i. Mortality

ii. Cardiovascular Effects

iii. Respiratory Effects

iv. Cancer

v. Metabolic Effects

vi. Nervous System Effects

B. Conclusions on the Primary PM_{2.5} Standard

1. CASAC Advice

2. Basis for the Proposed Decision

3. Comments on the Proposed Decision

4. Administrator's Conclusions

C. Decisions on the Primary PM_{2.5} Standard

IV. Communication of Public Health

A. Air Quality Index Overview

B. Air Quality Index Category Breakpoints for PM_{2.5}

1. Summary of Proposed Revisions

a. Air Quality Index Values of 50, 100, and 150

b. Air Quality Index Values of 200 and Above

2. Summary of Significant Comments on Proposed Revisions

a. Air Quality Index Values of 50, 100, and 150

b. Air Quality Index Values of 200 and Above

c. Other Comments

C. Air Quality Index Category Breakpoints for PM₁₀

D. Air Quality Index Reporting

1. Summary of Proposed Revisions

2. Summary of Significant Comments on Proposed Revisions

3. Summary of Final Revisions

V. Rationale for Decisions on the Secondary PM Standards

A. Introduction

1. Background on the Current Standards

a. Non-Visibility Effects

b. Visibility Effects

2. Overview of Welfare Effects Evidence

a. Nature of Effects

i. Visibility

ii. Climate

iii. Materials

3. Summary of Air Quality and Quantitative Information

a. Visibility Effects

i. Target Level of Protection in Terms of a PM_{2.5} Visibility Index

ii. Relationship Between the PM_{2.5} Visibility Index and the Current Secondary 24-Hour PM_{2.5} Standard

b. Non-Visibility Effects

B. Conclusions on the Secondary PM Standards

1. CASAC Advice

2. Basis for the Proposed Decision

3. Comments on the Proposed Decision

4. Administrator's Conclusions

C. Decisions on the Secondary PM Standards

VI. Interpretation of the NAAQS for PM

A. Amendments to Appendix K: Interpretation of the NAAQS for Particulate Matter

B. Amendments to Appendix N: Interpretation of the NAAQS for PM_{2.5}

VII. Amendments to Ambient Monitoring and Quality Assurance Requirements

2025 Planning Accomplishments



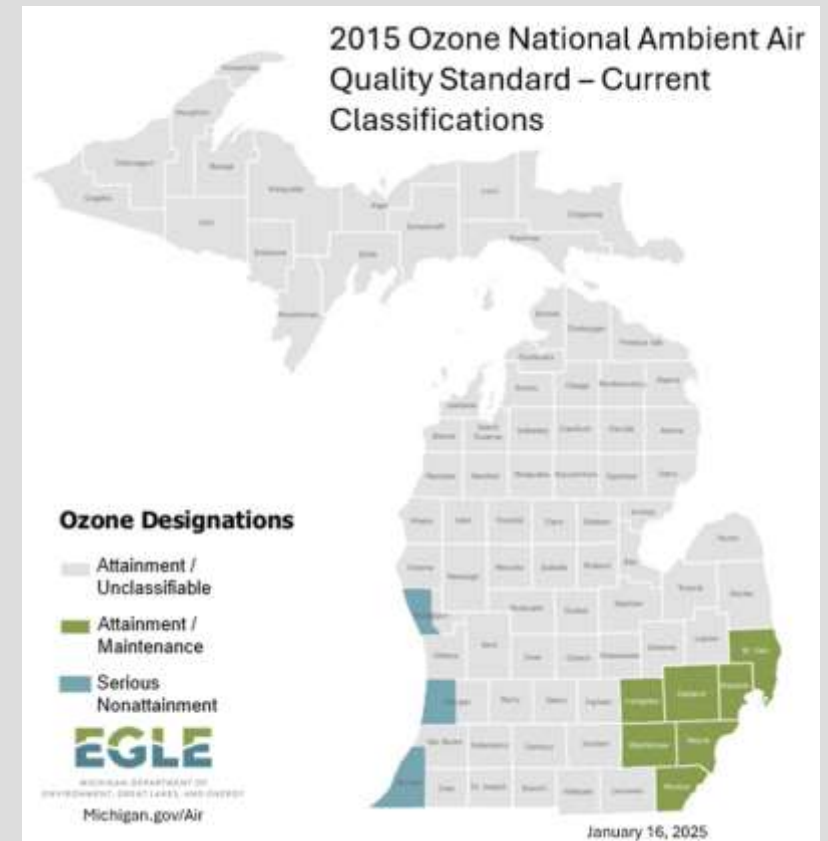
Actions Submitted to USEPA:

- PM2.5 Designation Recommendations
- Grand Rapids PM2.5 Exceptional Event Demonstration - [EPA Concurrence](#)
- Regional Haze Plan Supplement - [EPA Approval](#)
- Regional Haze Progress Report for Second Planning period
- Part 8 RACT / SIP Call Rules Revised and Submitted to the SIP
- SO2 Wayne Co Redesignation Request
- SO2 Secondary Standard Designation Recommendations

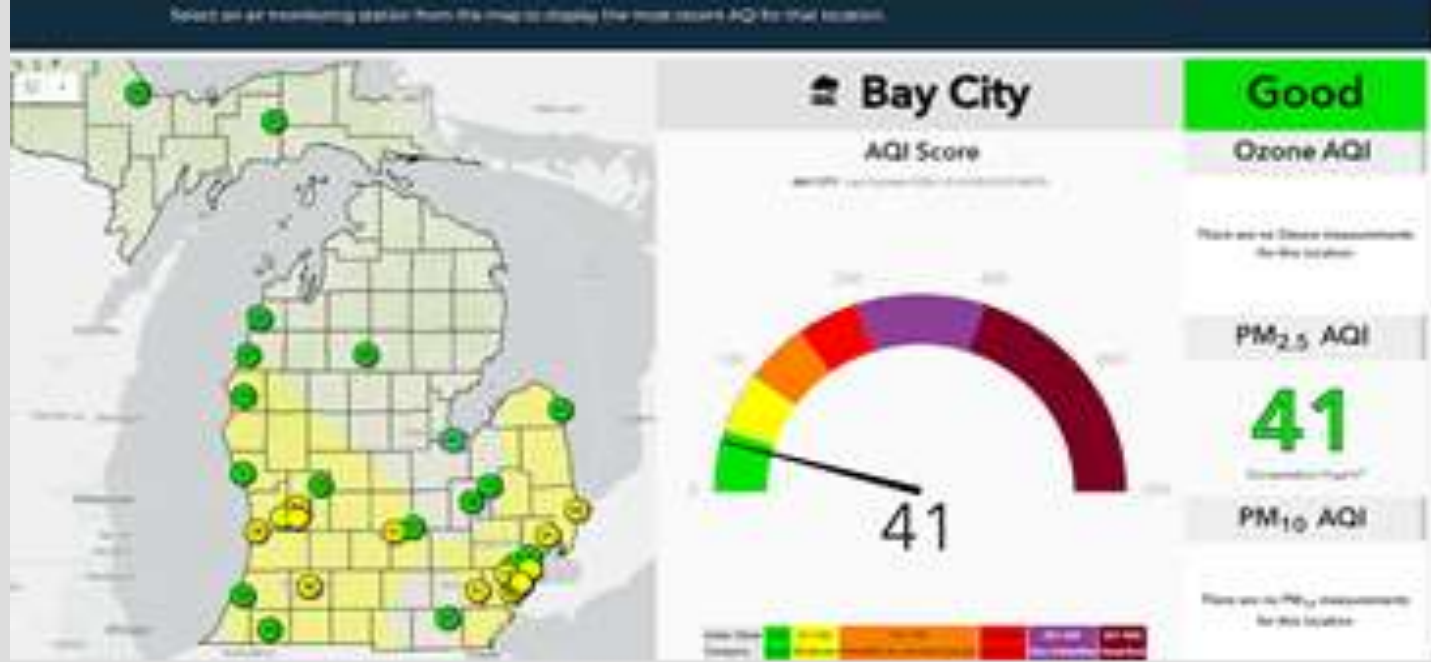
2025 Planning Accomplishments

Proposed Actions Open for Public Comment:

- West MI Ozone
(<https://www.michigan.gov/egle/about/organization/air-quality/state-implementation-plan/ozone-nonattainment/west-Michigan>)
 - *Receiving Public Comment Through December 5:*
 - Ozone Redesignation Requests for Berrien and Muskegon
 - Ozone Exceptional Event Demonstrations for Berrien and Muskegon
 - Serious Ozone Attainment Plan
- Southeast MI Ozone Maintenance
 - *Receiving Public Comment Through November 28:*
 - [Ozone Exceptional Event Demonstration for Allen Park and East 7-Mile monitors](#)



Air Monitoring Updates



Air monitoring network enhancements continue to be made through the American Rescue Plan (ARP) and Inflation Reduction Act (IRA) grants. Due to some vandalism in Flint, the site is being moved and is expected to be operational before the end of 2025. Two new sites will become operational in late 2025 and early 2026 in Detroit. Real-time data is available: Michigan.gov/MiAir

Permitting Updates

Permit to Install

- Governors Executive Directive
- Permit Applications
- Unit Updates

Renewable Operating Permit

- Renewals and Initial Applications
- Unit Updates



Compliance Updates

Statewide Site Inspections

- 885 Total Inspections Completed
- 187 Major Source Inspections
- 256 Opt-Out Source Inspections





All business functions are live in the system



25 in-person/webinar training session



How's it going?



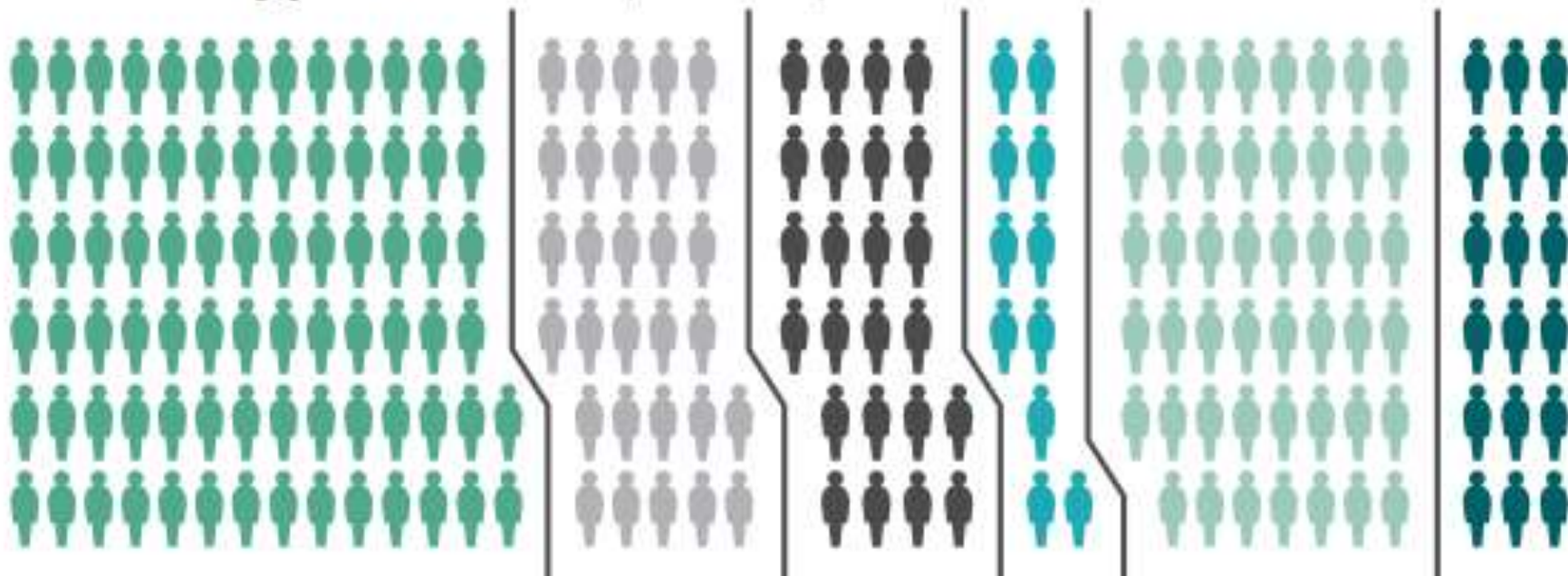
What's next?

MiEnviro Portal Updates

AQD STAFF (BY JOB TYPE)



Staff by years of service (210 total)



Our Team

From EPA

Updated Guidance

- Begin actual construction
- Reactivation policy

Reconsiderations

- PM2.5 Standard
- Other federal regulations

New Source Review

- Enhanced New Source Review permitting
- Project Emissions Accounting

THANK YOU!

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