



MICHIGAN DEPARTMENT OF  
ENVIRONMENT, GREAT LAKES, AND ENERGY

# Air Advisory Committee Meeting PM2.5 Update

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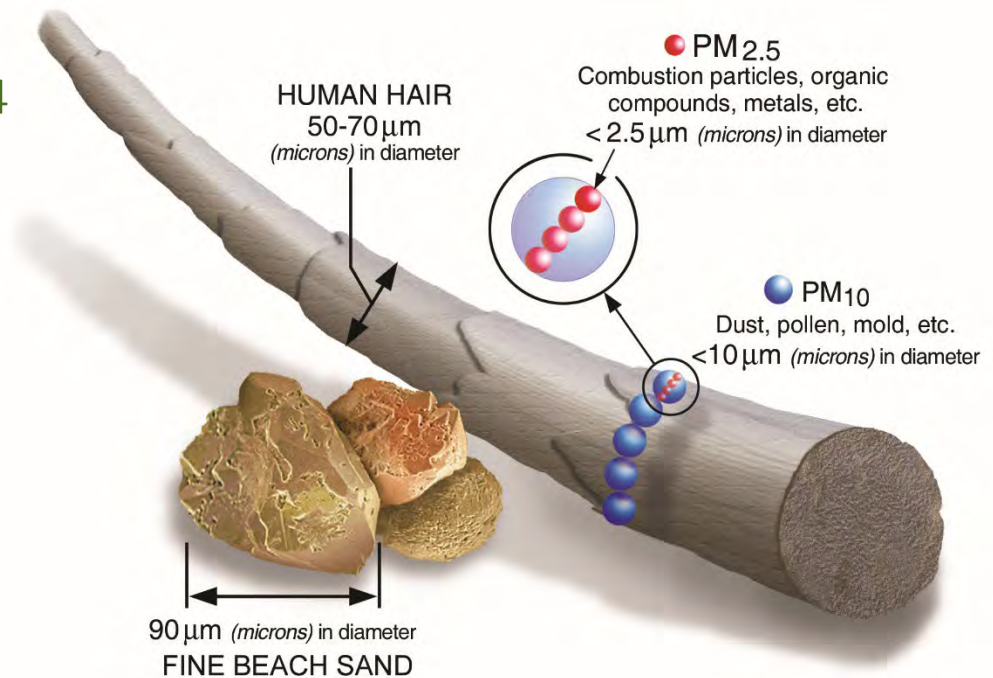
Marissa Vaerten

SIP Development Unit

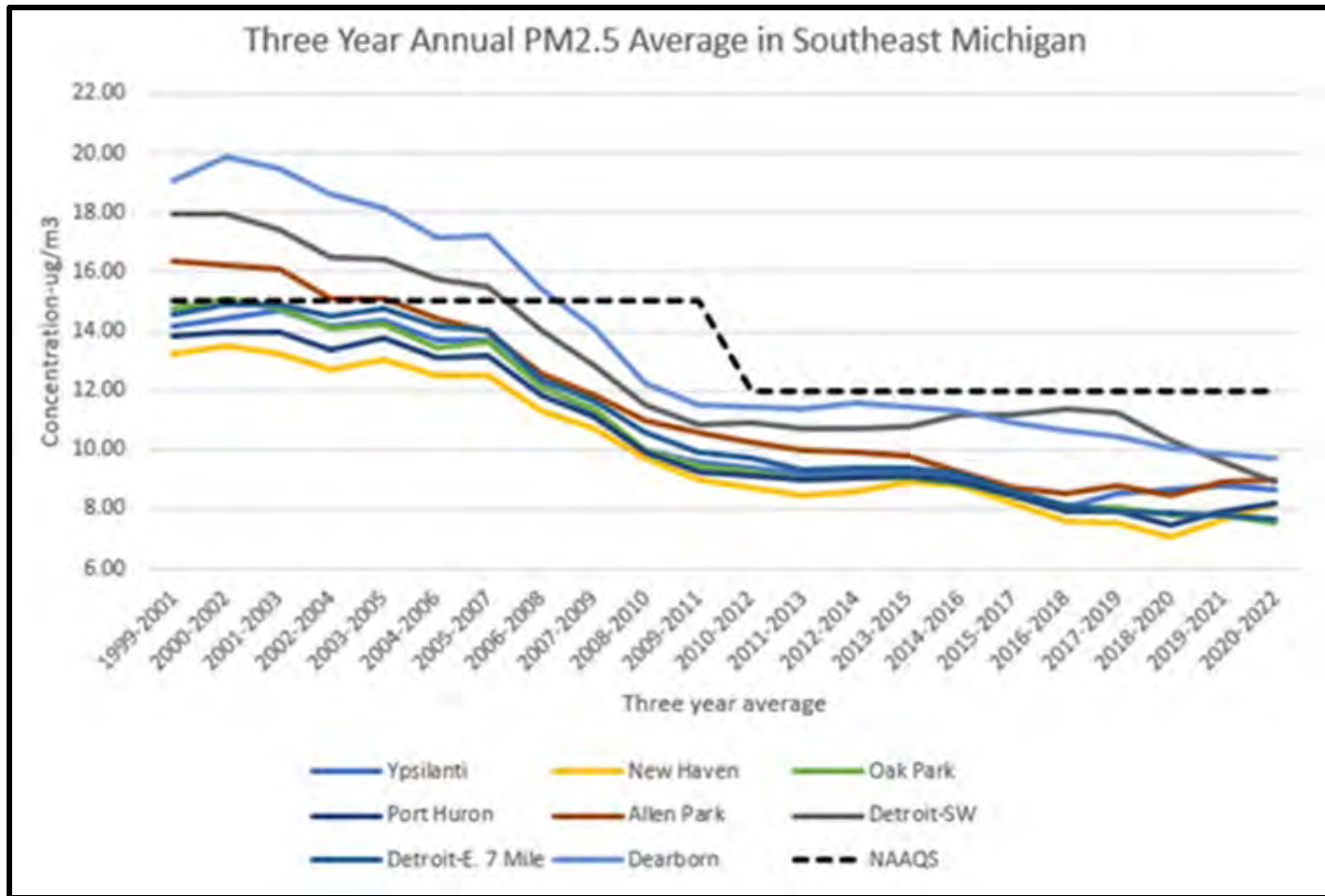
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# Revised PM<sub>2.5</sub> Standard

- Final Rule
  - Promulgation: February 6, 2024
  - Publication Date: March 6, 2024
  - Effective: May 6, 2024
- Annual PM<sub>2.5</sub> standard
  - 12 µg/m<sup>3</sup> (2012)
  - 9 µg/m<sup>3</sup> (2024)
- 24-hour PM<sub>2.5</sub> standard
  - Unchanged at 35 µg/m<sup>3</sup>(2006).



# Three-Year Annual PM<sub>2.5</sub> Average



# Designations

Attainment

Nonattainment

Unclassifiable/  
Attainment

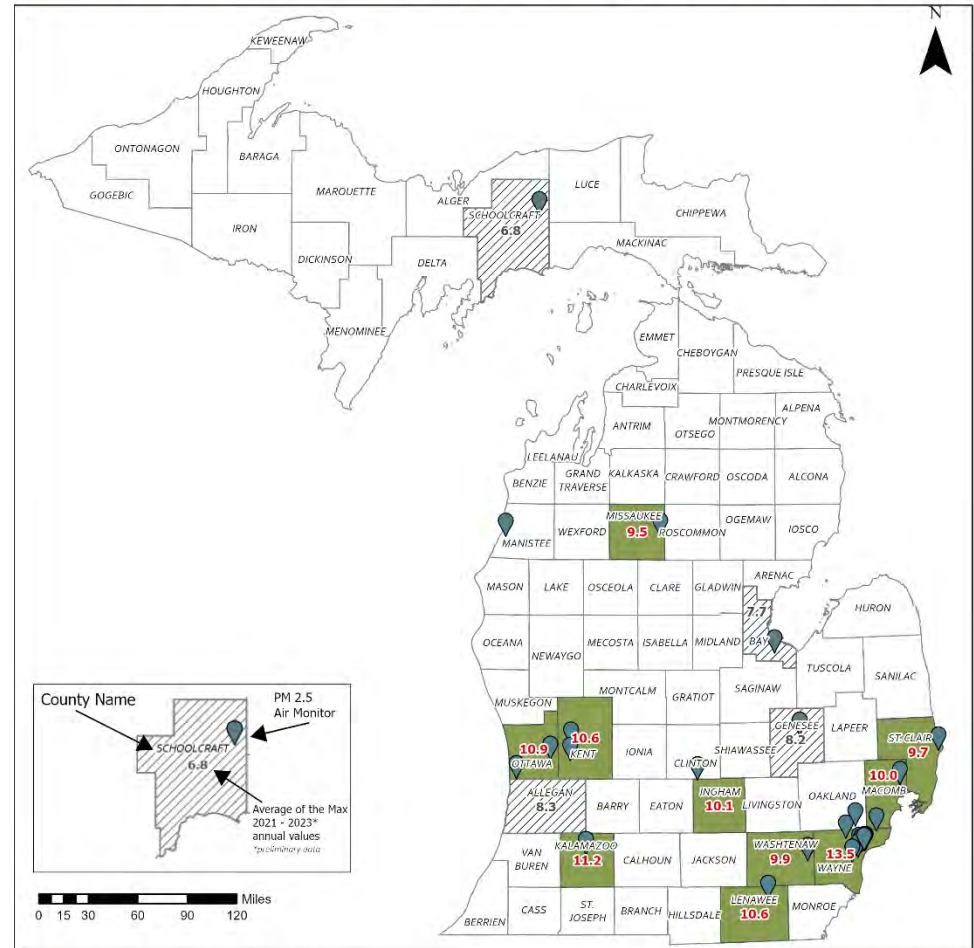
- Nonattainment is determined based on a three-year average of monitoring values.
- EGLE is basing **recommendations** on 2021-2023 monitoring values.
- EPA basing **final designations** on 2022-2024 monitoring values.
- All PM<sub>2.5</sub> nonattainment areas are initially classified as Moderate.

# Designations

- Monitoring Data has not been validated yet.
- Exceptional Events may impact monitoring numbers.
- Designations will take into consideration core-based statistical areas (CBSAs).

## Current Exceedances of the New Annual PM 2.5 NAAQS

Data is based on the maximum annual PM 2.5 emissions averaged over 3 years using preliminary data for 2021 - 2023 and does not serve to represent any official designations.



February 2024



## Designations Timing

- **February 7, 2025:** EGLE must submit recommended designations within one year of the promulgation of the revised standard.
- **February 7, 2026:** The USEPA issues designations within two years of the promulgation of the revised standard (the USEPA has an option for a one-year extension).

2024 2025 2026 2027 2028 2029 2030 2031 2032

# SIP Timing

- **February 7, 2027:** EGLE must submit its Infrastructure SIP within three years of the promulgation of the revised standard.
- **August 2027 (projected):** For moderate areas, EGLE must submit its nonattainment plans within 18 months after the **effective date of designations.**

Emissions  
Inventory

Control  
Measures  
(RACT/RACM)

Attainment  
Demonstration

EJ  
Considerations

Reasonable  
Further  
Progress

Quantitative  
Milestones

Contingency  
Measures

2024

2025

2026

2027

2028

2029

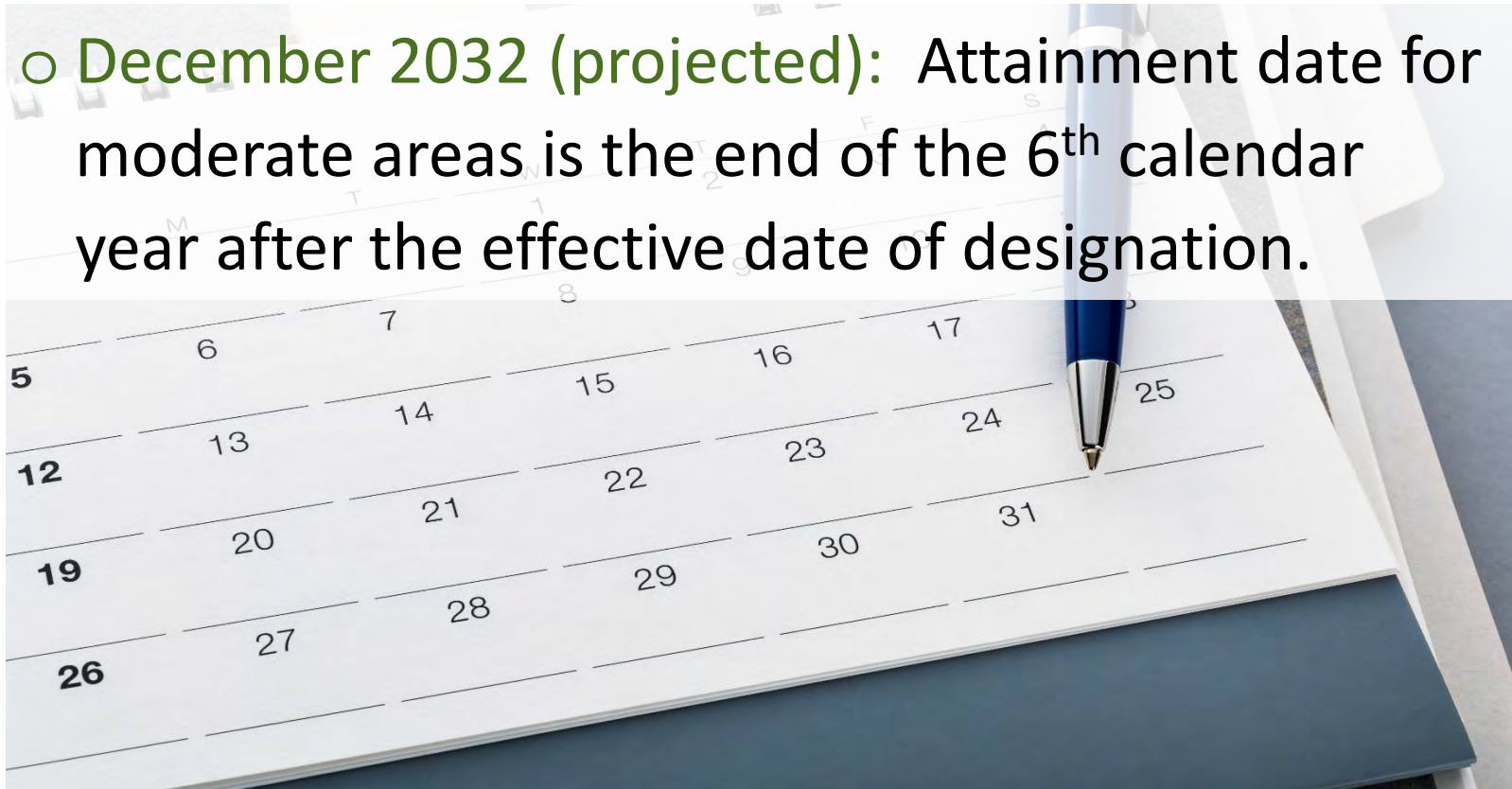
2030

2031

2032

# Attainment Timing

- o **December 2032 (projected):** Attainment date for moderate areas is the end of the 6<sup>th</sup> calendar year after the effective date of designation.





2028

2029

2030

2031

2032

2033

2034

2035

2036

## Failure to Attain

- If the state fails to attain by the end of 6<sup>th</sup> calendar year (2032 projected) after the effective date of designations, USEPA is required to reclassify the area to **Serious**.
- States then must attain the standard by the end of the 10<sup>th</sup> calendar year (2036 projected) after the effective date of designations.

2024

2025

2026

2027

2028

2029

2030

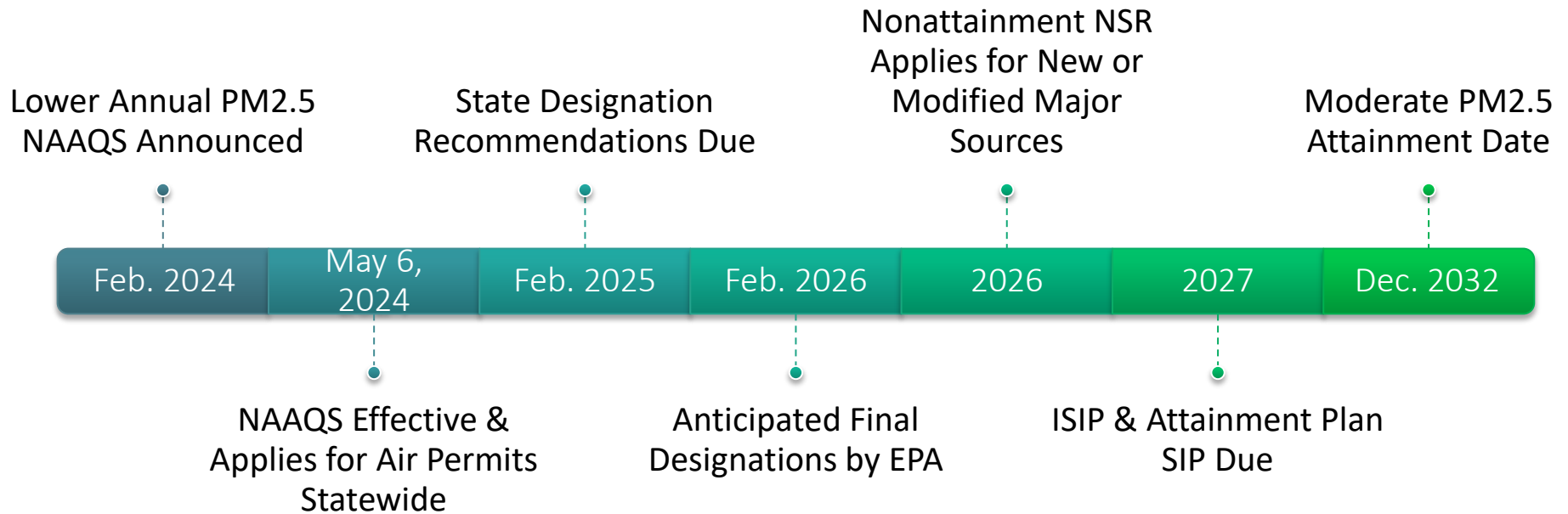
2031

2032

## Permit Impacts

- Revised standard applies beginning on **May 6, 2024**, for air permitting statewide.
- Nonattainment NSR applies for revised standard in new nonattainment areas for new or modified major sources in **2026** timeframe.
- It is anticipated USEPA will establish a new  $PM_{2.5}$  significant impact level (SIL) for modeling purposes.

# Wrap Up



Michigan Department of  
**Environment, Great Lakes, and Energy**

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QUESTIONS?

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