



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

NAAQS Update

TRACE McDONALD, EGLE AIR QUALITY DIVISION

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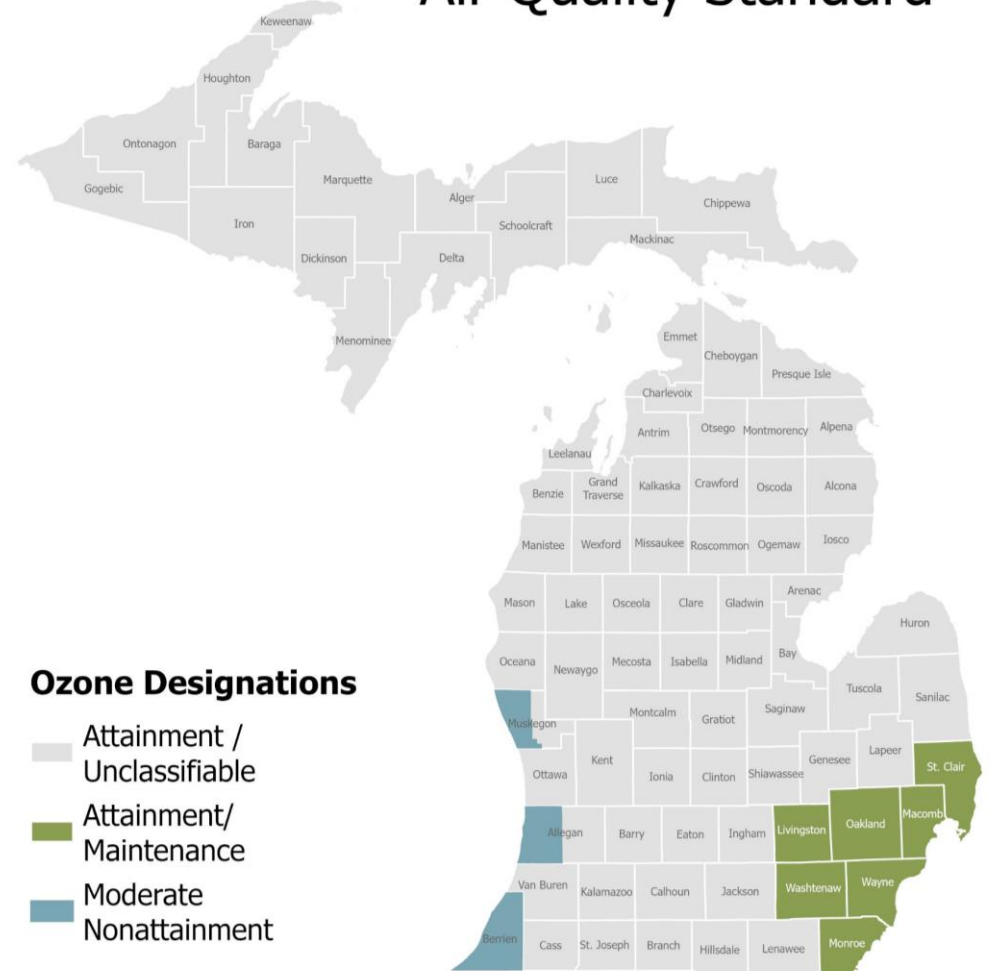
517-582-3570

Today's Topics

- Ozone
 - ✓ Current season
 - ✓ Southeast Michigan
 - ✓ West Michigan
 - ✓ Next steps
- Sulfur Dioxide
 - ✓ Wayne
 - ✓ St. Clair
- PM2.5 - Change in standard?
- Other work

Ozone NAAQS

Designations for the 2015 Ozone National Ambient Air Quality Standard



Ozone Season – Monitoring Report

| Coloma | | Holland | | Muskegon | |
|-----------|----------------|-----------|----------------|-----------|----------------|
| 83 | 4/14/23 | 90 | 7/25/23 | 84 | 6/29/23 |
| 83 | 7/25/23 | 83 | 6/10/23 | 83 | 7/25/23 |
| 79 | 6/19/23 | 78 | 5/29/23 | 76 | 5/29/23 |
| 78 | 6/2/23 | 75 | 6/2/23 | 75 | 6/30/23 |

| Allen Park | | E-7 Mile | | New Haven | | Oak Park | |
|------------|---------|----------|---------|-----------|---------|----------|---------|
| 82 | 6/29/23 | 86 | 6/29/23 | 81 | 6/30/23 | 89 | 6/29/23 |
| 79 | 5/29/23 | 85 | 6/30/23 | 80 | 6/29/23 | 79 | 5/29/23 |
| 73 | 6/28/23 | 80 | 5/29/23 | 79 | 7/5/23 | 78 | 6/30/23 |
| 72 | 6/2/23 | 79 | 7/5/23 | 72 | 7/24/23 | 75 | 7/5/23 |

| Port Huron | | Tecumseh | | Warren | | Ypsilanti | |
|------------|---------|----------|---------|--------|---------|-----------|---------|
| 80 | 6/30/23 | 83 | 6/29/23 | 84 | 6/29/23 | 87 | 6/29/23 |
| 79 | 6/29/23 | 78 | 6/2/23 | 79 | 6/30/23 | 79 | 5/29/23 |
| 75 | 7/5/23 | 76 | 5/29/23 | 76 | 7/5/23 | 77 | 6/2/23 |
| 74 | 8/3/23 | 71 | 4/14/23 | 73 | 5/29/23 | 73 | 6/19/23 |

Dates we're looking at:

- May 29
- June 1-2
- June 28-30
- July 25



Southeast Michigan Maintenance/"NA" area

- Redesignation
- Variance/Part 6 rules
- Maintenance Contingency Provisions
- Exceptional Events

West Michigan NAA

- Attainment Demonstration
 - Attainment modeling (*shows attainment for 2023 – monitors do not reflect this*)
 - Emissions Inventories
 - Reasonable Further Progress
 - VOC and NOx RACT/RACM (*not all submitted*)
 - Contingency Measures (*EPA guidance/court cases*)
 - Conformity Requirements (*transportation and general*)
 - Nonattainment New Source Review
 - Vehicle I&M Program (*not required for WM below population threshold*)
 - Environmental Justice (*not required, but encouraged*)
- Starting to consider and plan Serious bump-up requirements

Next Steps

- Finding of Failure to Submit
- VOC RACT rule SIP approval
- New NO_x RACT rules then SIP approval
- EPA feedback on what was submitted for West Michigan
- SEMI redesignation “push back”
- Contingency provisions/”Exceptional Events”
- Preparing to assess Serious requirements

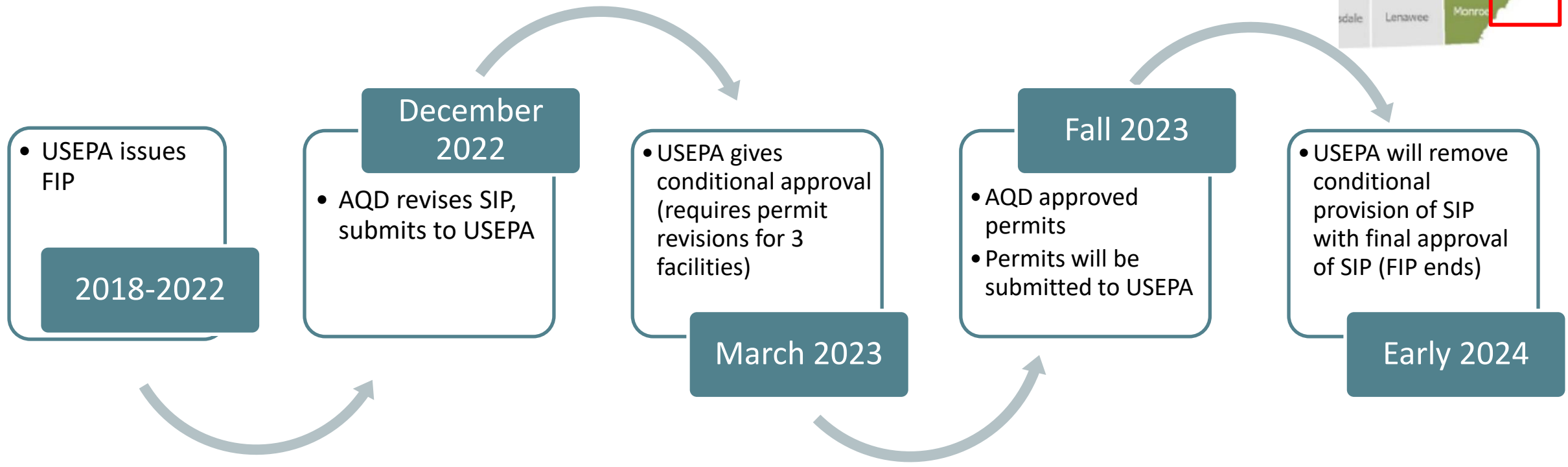
Sulfur Dioxide NAAQS

St. Clair NAA

- Clean Data Determination approved by USEPA December 7, 2021.
- EGLE pursuing redesignation of the St. Clair County area.
 - Comment period ended Oct. 6 (no comments received)
 - In review with AQD/EGLE
- Will submit to USEPA after finalized and approved by EGLE director.



Wayne County NAA



Wayne County NAA

Sources addressed as part of the SIP/FIP

- Carmeuse Lime – New taller stack installed 2022
- US Steel* – No steelmaking, boiler house 2 operating for EES Coke, FIP/SIP requires new taller stack by November 2024
- Dearborn Industrial Generation (DIG)* – SO2 emission limit for Boilers 1, 2, and 3 and Flares 1 and 2.
- DTE River Rouge – Shut down 2021
- DTE Trenton Channel – Shut down 2022

* received permit along with EES Coke

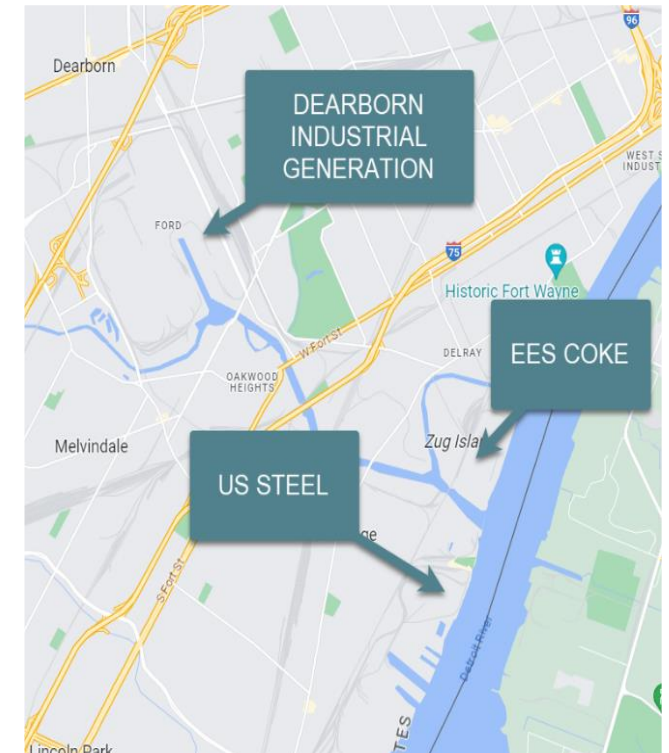


Figure 1: Facility Locations

PM2.5 NAAQS

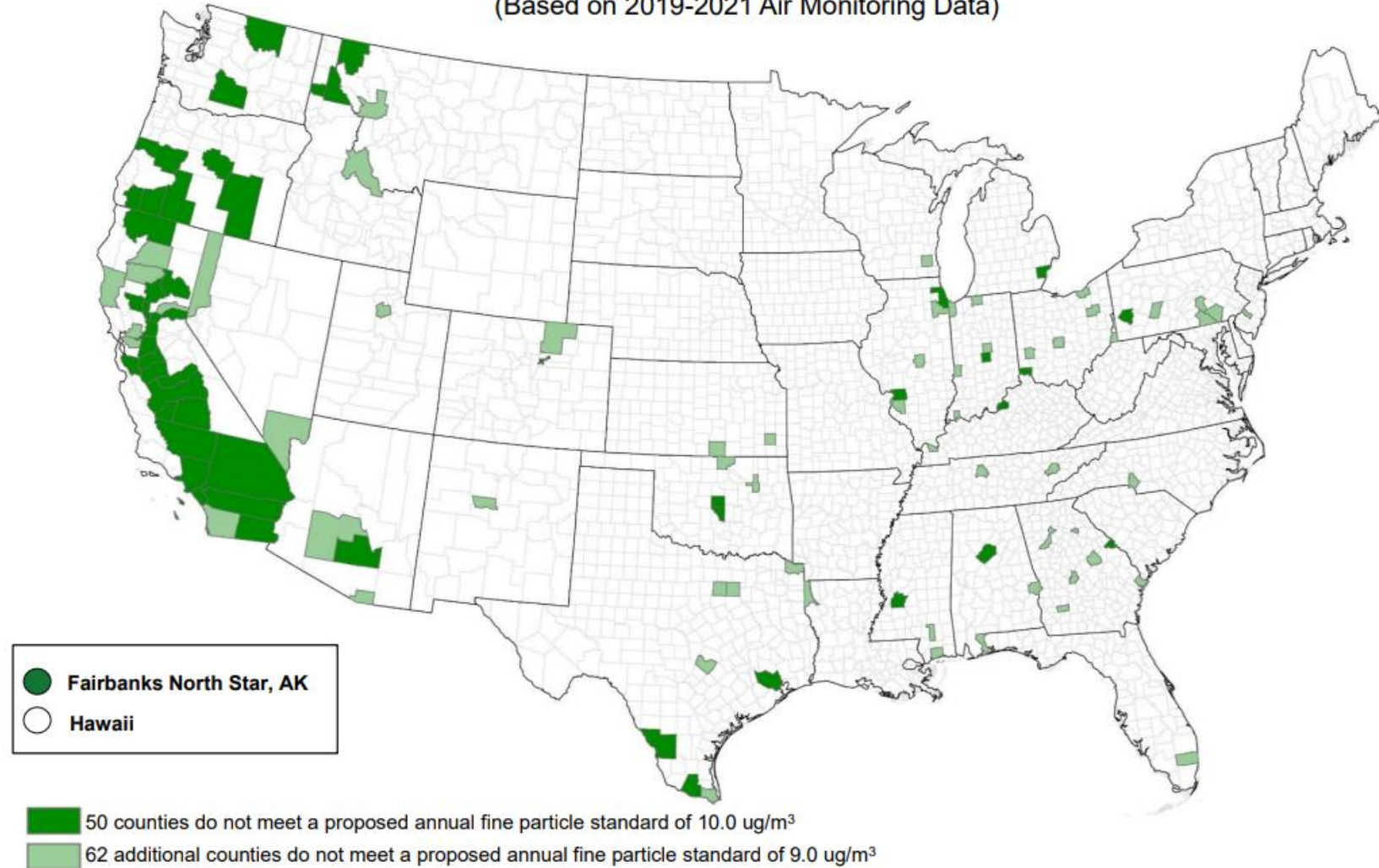
RECONSIDERATION

PM2.5 NAAQS

- Draft of final rule package undergoing USEPA interagency review still anticipate issuing final rule later this year
- Proposed to revise primary annual standard:
 - Current level $12.0 \mu\text{g}/\text{m}^3$
 - Proposed levels = Range of 9.0 to $10.0 \mu\text{g}/\text{m}^3$
- Retaining all other standards

Current Air Monitoring Data Show Some Counties Would Not Meet Proposed Primary Fine Particle Standards

(Based on 2019-2021 Air Monitoring Data)



Other projects/ Final thoughts

RECONSIDERATION

Other work

- Regional Haze
- Good Neighbor Plan (technically part of 2015 ozone NAAQS)
- Greenhouse Gas/Climate change

Other “not” work

- NAAQS
NOx, Lead, PM10, CO

Questions?

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