



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

NAAQS Planning Update

August 16, 2023

Air Quality Division

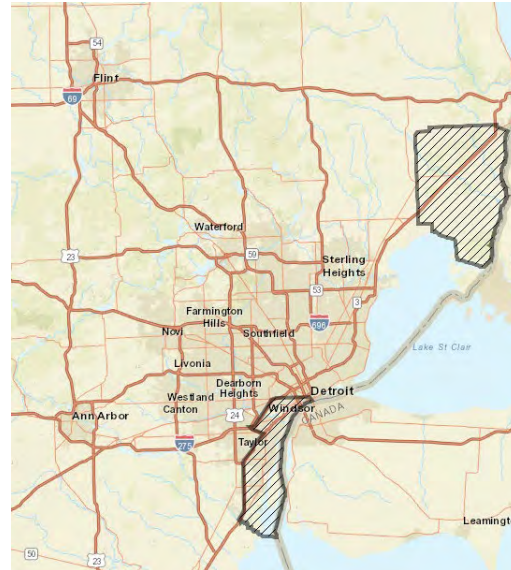
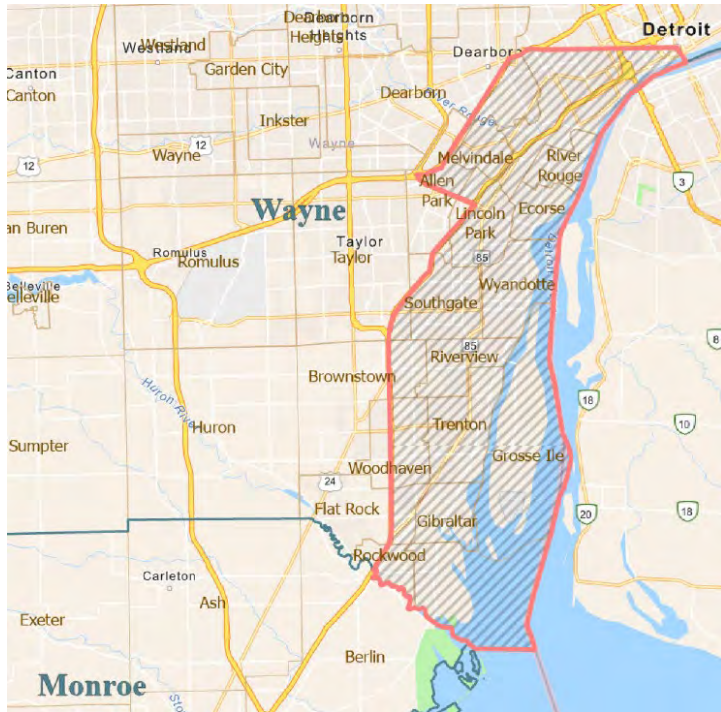
Bob Irvine & Tom Shanley

We'll Cover ...

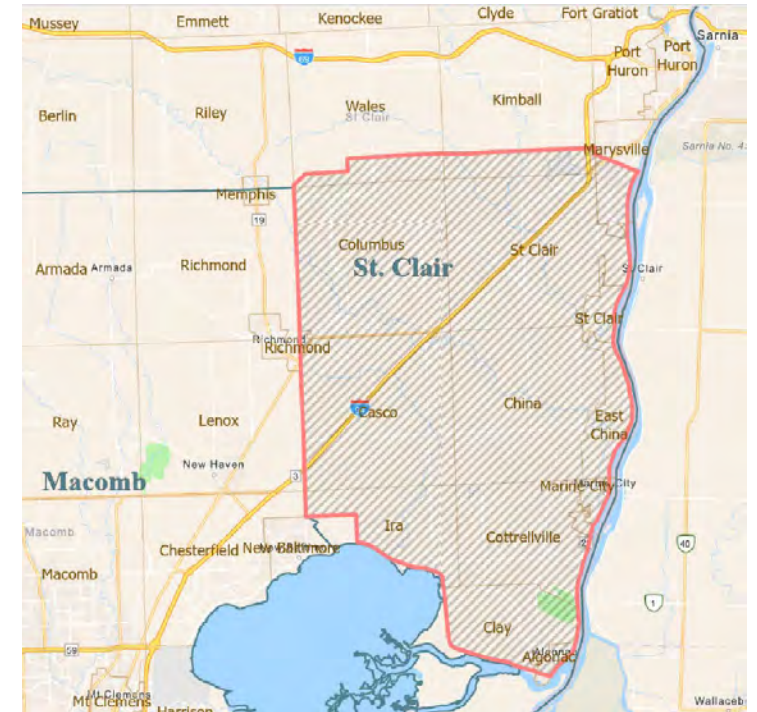
- SO₂ Update
 - St. Clair and Detroit Nonattainment Areas
- Ozone Planning Update
 - West MI Moderate Classification
 - Southeast MI Maintenance Status
 - Potential contingency provisions

Sulfur Dioxide Nonattainment Areas

Wayne County



St. Clair County

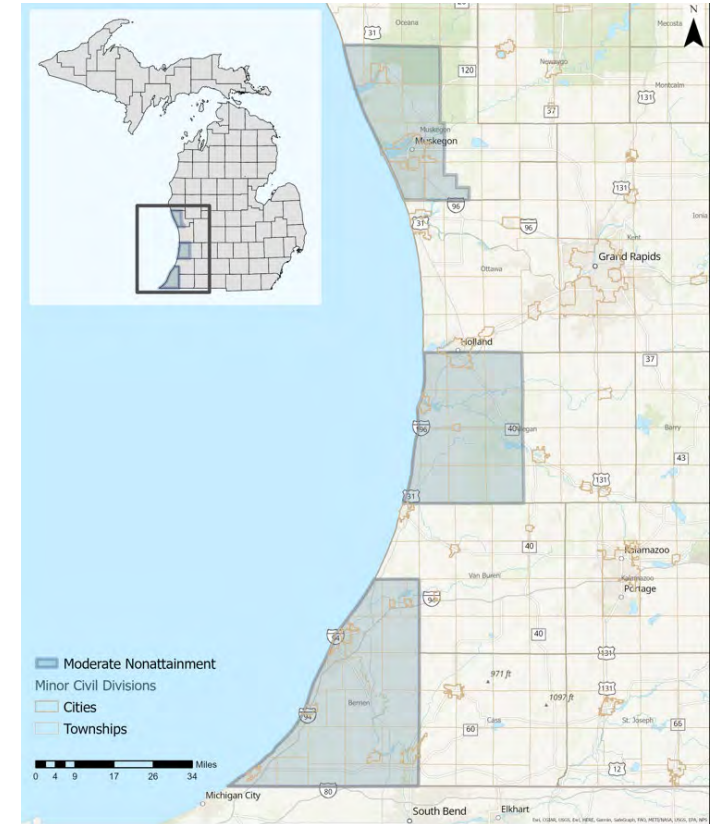


SO₂ Nonattainment Update

- Detroit SO₂ Nonattainment
 - Federal Implementation Plan
 - State Implementation Plan – Conditional Approval
 - Redesignation Request
- St. Clair SO₂ Nonattainment
 - Clean Data Determination
 - St. Clair Power Plant Retirement
 - Redesignation Request

West Michigan Ozone Planning Update

- Moderate Reclassification effective November 7, 2022
- Draft Nonattainment SIP completed public comment in August
- Nonattainment SIP submittal in fall 2023 (revised after all elements are in place)
 - VOC / NO_x RACT
 - Reasonable Further Progress
 - RACT, Consumer Products & AIM rules
 - Contingency Measures
 - Attainment Demonstration



Part 8 NOx Rules Timeline

- **Fall 2019:** Initial stakeholder engagement
 - Semi-regular meetings since
- **Summer 2022 – Early 2023:** Rule language drafted in earnest
 - Informal drafts shared with stakeholders and revised based on feedback
- **December 2022:** Formal rulemaking started as draft rules are being finalized
- **Yet to do:** ERRC, Formal Public Comment, Revisions based on comments received, LSB/MOAHR review, JCAR
- **Late 2023:** Promulgation target (subject to processes beyond our control)

Southeast Michigan Planning

- Redesignation Request (2019-2021) submitted in January 2022
- Moderate Reclassification FR Notice February 1, 2023
- Redesignation on May 19, 2023 – Attainment/Maintenance



Southeast 2015 Ozone Maintenance Area

Southeast MI Maintenance Plan

- Section 4 of [Redesignation Request](#)
- Contingency Provisions
 - Warning Level Response
 - 1-year MDA8 4th High of 74 ppb or greater
 - Study to determine whether there's a trend toward high ozone concentrations
 - Action Level Response
 - 2-year Average of 4th High MDA8 of 71 ppb or greater
 - “...determine additional control measures needed to assure future attainment...”
- Preliminary 2023 data suggests contingency measures may be required.

Implementation of Contingency Provisions

- Triggers are subject to consideration for exceptional events, malfunction, noncompliance with permit/rule determinations
- Address an upward trend and ensure the area maintains attainment
- 18 mos. to implement needed control measures
- Possible control measures:
 - RACT, fleet vehicles emission reduction programs, minor source controls, permitting offsets, transportation strategies, formaldehyde and/or NO_x controls for stationary engines, Phase 5 consumer products rules; others

Control Measure Consideration



- Seeking the Council's input on control measure selection, if necessary...
- How do we identify appropriate stakeholders?
- How should EGLE select the appropriate control measure?
- Are there existing plans for reductions (i.e., fleet programs)?

Helpful Links

- EGLE AQD SIP Ozone Nonattainment Webpage
<https://www.michigan.gov/egle/about/organization/air-quality/state-implementation-plan/ozone-nonattainment>
- EGLE AQD air monitor sites and nonattainment area map
<https://egle.maps.arcgis.com/apps/webappviewer/index.html?id=9a4c80a5c7fa4088971757504a3c0ba1>
- Southeast Michigan Redesignation Request includes the area's maintenance plan
<https://www.michigan.gov/egle/-/media/Project/Websites/egle/Documents/Programs/AQD/State-Implementation-Plan/recent-aq-planning-actions-and-documents/ozone-se-mi-redesignation-public-comment-document.pdf>
- *Federal Register*: Redesignation of the Detroit, MI Area to Attainment of the 2015 Ozone Standards
<https://www.federalregister.gov/d/2023-10563>

Questions

Thank you!