Hello Everyone,

We’ve developed some guidelines for this meeting, in the hopes of making this a smooth and enjoyable experience for all. Thank you in advance for your understanding.
Zoom Guidelines

• Questions will be addressed throughout the meeting.
• All participants will be muted during the meeting.
• If you’d like to speak, use the “Raise Hand” button and you will be unmuted when appropriate.
• Questions may also be asked in the chat. The chat is setup so that all messages are sent to the host privately.
Zoom Guidelines

• The host will attempt to respond to all messages received, but some messages may be missed.

• Participants will join the meeting with their video disabled. We ask that you keep your video disabled for the duration of the meeting.
Zoom Guidelines

• We ask for patience while the Air Program conducts this meeting with this setup.
• Zoom technical support: support.zoom.us
Air Management Study Group
Quarterly Meeting Agenda

• Opening remarks & agenda review
• Proposed guidance, rules and legislative update
• NR428 Listening Session
• Public Involvement Web Updates
• Annual Network Plan
• Bipartisan Infrastructure Law

• Member Updates
• Clean Energy Plan
• Electric Vehicle Study
• Ozone Topics
• AMSG Membership
• Clean Air Month
Proposed Guidance and Rules
Legislative Update

Kristin Hart, Permits and Stationary Source Modeling Section Chief

Jason Treutel, Air Quality Planning and Standards Section Chief
# DNR Guidance

<table>
<thead>
<tr>
<th>DNR Guidance in Drafting Phase</th>
<th>Description</th>
<th>Target Date</th>
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<tbody>
<tr>
<td>Municipal Solid Waste Landfills</td>
<td>Updates to guidance for MSW Landfills</td>
<td>Spring 2022</td>
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<table>
<thead>
<tr>
<th>DNR Guidance in Public Comment</th>
<th>Description</th>
<th>Date Posted</th>
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<td>None</td>
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<table>
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<tr>
<th>DNR Guidance in Final Review Phase</th>
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<table>
<thead>
<tr>
<th>Finalized DNR Guidance</th>
<th>Location</th>
<th>Final Date</th>
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<tbody>
<tr>
<td>Response to comment on Nonroad and Motive Engine Testing operations - TSD will not be finalized</td>
<td><a href="#">Response to Comments Nonroad TSD</a></td>
<td>Response to Comments posted 4/7/2022</td>
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# Proposed/Final DNR Rules

<table>
<thead>
<tr>
<th>Proposed DNR rule</th>
<th>Description</th>
<th>Phase</th>
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<tbody>
<tr>
<td>AM-20-18 VOC RACT Revisions</td>
<td>Updates RACT rules in ch. NR 422 to meet current EPA Guidelines for Miscellaneous Metal and Plastic Parts Coatings, and Miscellaneous Industrial Adhesives, and other updates.</td>
<td>With Legislative Reference Bureau for publication CR 20-088 (wisconsin.gov)</td>
</tr>
<tr>
<td>AM-10-19 2015 Ozone NAAQS</td>
<td>Incorporates the 2015 ozone NAAQS into state rule and makes related updates.</td>
<td>Published CR 21-022 (wisconsin.gov)</td>
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<tr>
<td>AM-31-19 Emissions Inventory Reporting</td>
<td>Revises NR 438 to align with federal Air Emissions Reporting Rule requirements, resolves inconsistencies between state and federal emissions reporting, and addresses ambiguities in current rule.</td>
<td>In Legislative review CR 21-072 (wisconsin.gov)</td>
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<tr>
<td>AM-05-21 NOx RACT Rule</td>
<td>Updates RACT rules in NR 428 to address implementation issues that have been identified since previous NR 428 revisions in 2001 &amp; 2007</td>
<td>Rule Drafting</td>
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<tr>
<td>AM-05-22 Compliance Demonstration Rule</td>
<td>Updates to testing, monitoring, recordkeeping, reporting requirements for compliance</td>
<td>Scope Statement signed by Secretary’s office 4/25/2022;</td>
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## Proposed EPA Rules/Guidance

<table>
<thead>
<tr>
<th>Proposed EPA rule/guidance</th>
<th>Docket</th>
<th>Comments due</th>
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<tbody>
<tr>
<td>Redesignation of Indiana Portion of Chicago-Naperville Area to Attainment for the 2008 Ozone Standard</td>
<td>EPA-R05-OAR-2020-0743</td>
<td>04/04/2022</td>
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<tr>
<td>EPA Disapproval of State Transport SIPs for the 2015 Ozone Standard for Regions 5, 6, 7 (3 separate proposals)</td>
<td>EPA-R05-OAR-2022-0006, EPA-R06-OAR-2021-0801, EPA-R07-OAR-2021-0851</td>
<td>04/25/2022</td>
</tr>
<tr>
<td>Control of Air Pollution from New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards</td>
<td>EPA-HQ-OAR-2019-0055</td>
<td>05/16/2022</td>
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<tr>
<td>Removal of Title V Emergency Affirmative Defense Provisions from State Operating Permit Programs and Federal Operating Permit Programs (SSM)</td>
<td>EPA-HQ-OAR-2016-0186</td>
<td>05/16/2022</td>
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## Proposed EPA Rules/Guidance (cont)

<table>
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<tr>
<th>Proposed EPA rule/guidance</th>
<th>Docket</th>
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<tr>
<td>Federal Implementation Plan Addressing Regional Ozone Transport for the 2015 Ozone NAAQS</td>
<td>EPA-HQ-OAR-2021-0668</td>
<td>06/06/2022</td>
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<td>Determinations of Attainment for the 2008 Ozone NAAQS</td>
<td>EPA-HQ-OAR-2021-0741</td>
<td>06/13/2022</td>
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<td>Determinations of Attainment for the 2015 Ozone NAAQS</td>
<td>EPA-HQ-OAR-2021-0742</td>
<td>06/13/2022</td>
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## Finalized EPA Rules/Guidance

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<th>Finalized EPA rule/guidance</th>
<th>Link</th>
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<tr>
<td>Light Duty Vehicle Standards</td>
<td><a href="#">NHTSA-2021-0053</a></td>
<td>04/01/2022</td>
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<td>Manitowoc Redesignation Request for 2015 Ozone NAAQS</td>
<td><a href="#">EPA-R05-OAR-2021-0141</a></td>
<td>03/31/2022</td>
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<tr>
<td>Kenosha Redesignation Request for 2008 Ozone NAAQS</td>
<td><a href="#">EPA-R05-OAR-2021-0885</a></td>
<td>04/11/2022</td>
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<tr>
<td>Door County Redesignation Request for 2015 Ozone NAAQS</td>
<td><a href="#">EPA-R05-OAR-2022-0008</a></td>
<td>04/29/2022</td>
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</tbody>
</table>
NR428 Rule Listening Session

Kristin Hart
Permits and Stationary Source Modeling Section Chief
Stakeholder Input Needed for NOx RACT Rule Updates

- Updates to NOx Reasonably Available Control Technology (RACT)
  - Ensure clear and consistent implementation of RACT rule
  - Clarify exemption and emission limitation applicability
  - Address emissions averaging requirements
  - Clarify compliance and monitoring requirements
- Stakeholder Meeting on AM-05-21 - NOx RACT Updates
- Date: May 31, 2022 from 2:00 - 3:30
- Milwaukee Service Center Harbor Room 107
- Zoom link will be available
Public Involvement Web Updates

Kristin Hart
Permits and Stationary Source Modeling Section Chief
Updates to Public Notice Website

Air Permit Public Involvement | | Wisconsin DNR

DNR updated the webpage for posting public notices

- Easier access to permit review documents available for public comment
- Created additional webpages with links to factsheets and other helpful information
  - Flow Charts describing the permit review process
  - Plain language guides to the Analysis and Preliminary Determination and other permit review documents
- Added a new table with links to permit applications currently under review prior to public notice
- Added a new table with links to final permit decisions and supporting documents
Permit Applications Received

The table below lists applications for air pollution control permit actions currently under review by DNR’s Air Management Program. The applications will remain on this list up to 180 days or until DNR posts a public notice that the review of the application is available for public comment. Once the application becomes available for public comment, the draft permit will move to the public comment table. When a final permit decision is made, the item will move to the final permit decision table.

The Application is viewable by clicking on the permit number.

CONTACT INFORMATION:

For air permit public comment questions or opportunities, contact Kristin Hart
For questions about this webpage, contact Megan Corrado

<table>
<thead>
<tr>
<th>Facility name</th>
<th>County</th>
<th>Permit number</th>
<th>Application received</th>
<th>Permit writer</th>
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<tr>
<td>CARDINAL FG</td>
<td>COLUMBIA</td>
<td>11107118A-P21</td>
<td>03/09/2022</td>
<td>Yeung, Paul O</td>
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<tr>
<td>CARDINAL FG</td>
<td>COLUMBIA</td>
<td>22-POY-021</td>
<td>03/09/2022</td>
<td>Yeung, Paul O</td>
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<td>DIDION MILLING-CAMBRIA</td>
<td>COLUMBIA</td>
<td>21-QRL-047-R1</td>
<td>03/07/2022</td>
<td>LeSage, Quinton R</td>
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<td>UNIROYAL ENGINEERED PRODUCTS LLC</td>
<td>DANE</td>
<td>11300421A-P40</td>
<td>03/04/2022</td>
<td>Crawford, Carol V</td>
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<tr>
<td>WOOD ECOLOGY INC</td>
<td>EAU CLAIRE</td>
<td>61806905A-F12</td>
<td>03/04/2022</td>
<td>Goonewardena, Ruhun S</td>
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<td>3M - MENOMONIE PLANT</td>
<td>DUNN</td>
<td>22-QRL-018</td>
<td>03/02/2022</td>
<td>LeSage, Quinton R</td>
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</tbody>
</table>
Annual Air Monitoring Network Plan

Katie Praedel
Monitoring Section Chief
Annual Monitoring Network Plan/Review

May 11 – June 10, 2022 - Public Comment Period
May 25, 2022 - Public Meeting via Zoom
June 15, 2022 - Submit final to EPA
120 days to approve

Draft Annual Network Plan will be posted here:
https://dnr.wisconsin.gov/topic/AirQuality/Monitor.html

Public Meeting information here:
https://dnr.wisconsin.gov/calendar
2022 Completed Network Changes

- May 1, 2021 – December 31, 2022
- Completed the relocation of Milwaukee SER DNR Headquarters, to a site approximately 2 miles north of the current site at Milwaukee UWM Park & Ride 4498 Humboldt Blvd. Milwaukee, WI 53212
- Start-up and shutdown of industrial monitors and SPM monitors associated with Enhanced Ozone Monitoring
2023 Proposed Network Changes

- May 1, 2022 – December 31, 2023
- Shut down SO2 monitors at Green Bay East and Madison East Sites
- Milwaukee UWM Park and Ride site Ozone monitor will change operation from year-round to seasonal
- Start-up and shutdown of industrial monitors and monitors associated with Enhanced Ozone Monitoring
Bipartisan Infrastructure Law

Gail Good
Acting Environmental Division Administrator

Jason Treutel
Air Quality Planning and Standards Section Chief
BIL Impacts in the EM Division

• Infrastructure Investment and Jobs Act (H.R. 3684), known as the Bipartisan Infrastructure Law (BIL)
• Approximately $1 trillion transportation, water, broadband and electric grid infrastructure bill
• Legislation provides for unprecedented infusion of funds into communities across Wisconsin for modernizing drinking water infrastructure, replacing lead service lines, addressing contaminants of emerging concern, expanding programs for small, rural and disadvantaged communities
• Significant sources of new funding for Wisconsin, including allotments for state revolving loan programs for water infrastructure projects
Clean School Bus Program Funding

• Federal funding administered by EPA over next five years (FY 2022-2026)
• $5 billion in funding
  • 2.5 billion for zero emission school buses
  • 2.5 billion for clean school buses
• Funding available for vehicle replacement and charging/fueling infrastructure
• Midwest states may see 1,000-2,500 EV buses
• Application period expected to open in May
Wisconsin DOT Bill Funding

• Federal funding administered by Wisconsin DOT over next five years (FY 2022-2026)
• ~1.29 Billion over 5 years
• Funding for local programs such as:
  • Surface Transportation Program (STP)
  • Local Bridge Improvement Assistance Program
  • Transportation Alternatives Program (TAP)
  • Congestion Mitigation and Air Quality Program (CMAQ)
    • Focuses on Nonattainment areas
    • Reduce emissions related to traffic congestion, improve vehicle and fuel technologies, reduce overall number of motorized vehicle trips & miles traveled
    • Project examples: Transit vehicle acquisition, traffic control technologies, bicycle/pedestrian facilities
Member Updates
STATE OF WISCONSIN

CLEAN ENERGY PLAN

Maria Redmond
Director of the Wisconsin Office of Sustainability and Clean Energy
Electric Vehicle Study

Paul Meier
UW Center for Sustainability and Global Environment
Ozone Topics

Katie Praedel
Air Monitoring Section Chief

Jason Treutel
Air Quality Planning and Standards Section Chief
Enhanced Ozone Monitoring

May - Sept
Enhanced Ozone Monitoring - DNR

**MAML at Sheboygan**

- Currently Installed and running: MET, CO, NO\textsubscript{X} by CAPS, O\textsubscript{3},
- Precursor sampling through: VOC & Carbonyl samplers

**Chiwaukee**

- Currently Installed and running: MET, CO, NO\textsubscript{2} by CAPS, Solar Radiation
- Precursor sampling through: VOC & Carbonyl samplers
Enhanced Ozone Monitoring – External Partners

• Wind Lidar – Brad Pierce, Director, Space Science and Engineering Center – University of Wisconsin
• Pandora – EPA Office of Research and Development
• Drones – UW Eau Claire
• Viking Research Cruise ship – National Oceanic and Atmospheric Administration
Wisconsin Redesignation Requests

• Kenosha 2008 Ozone Redesignation Request – EPA finalized approval on 4/11/22 with an immediate effective date

• Manitowoc 2015 Ozone Redesignation Request – EPA finalized approval on 3/31/22 with an immediate effective date

• Door 2015 Ozone Redesignation Request – EPA finalized approval on 4/29/22 with an immediate effective date
Wisconsin Nonattainment Area Bump-ups

• 2008 Serious to Severe
  • Proposes bump up for Chicago-Naperville Nonattainment area but acknowledges redesignation requests in progress
  • Kenosha is redesignated – no impact from bump-up

• 2015 Marginal to Moderate
  • Proposed bump-up for Sheboygan, Kenosha, Milwaukee, Door County
  • Door County is redesignated – no impact from bump-up
  • Proposed attainment for Manitowoc – This area has been redesignated
Wisconsin Nonattainment Area Bump-ups

- Impacts for Nonattainment Areas
  - NSR Offset Ratio increases to 1.15 : 1
  - VOC/NOx RACT
  - Major source threshold for NOx/VOC remains at 100 ton/year
EPA’s Proposed “Good Neighbor” Transport Rule for the 2015 Ozone NAAQS

• The Clean Air Act requires states that significantly contribute to ozone nonattainment or maintenance in another state address these contributions by reducing emissions (the “good neighbor” provision).

• On February 28, 2022, EPA proposed a “transport rule” to address good neighbor obligations for the 2015 ozone NAAQS for 26 states, including Wisconsin.

• This rule requires emissions reductions at power plants and/or certain industrial sources in 25 of these states.

• Once finalized, EPA will consider transport obligations resolved for the 2015 ozone NAAQS.
Why is this proposal important to Wisconsin?

• Wisconsin has multiple 2015 ozone NAAQS nonattainment areas:
  • Parts of Kenosha and Sheboygan counties.
  • Much of the 5-county Milwaukee area.

• Based on EPA’s data, Wisconsin contributes 8-15% to its own nonattainment areas while other states contribute between 42-48%.

• Wisconsin cannot meet upcoming 2015 ozone NAAQS attainment dates without additional, significant emissions reductions in upwind states.
Covered states and linkages to/from Wisconsin

25 states are linked to other states and will need to reduce emissions.

Wisconsin contributes to one state: Illinois (Chicago area monitors)

Six states contribute to Wisconsin: MI, OH, IN, IL, MO, TX

(EPA’s modeling also links AR to WI, but this is not reflected in transport rule)
How will this rule impact Wisconsin ozone levels?

- Near-term improvements in air quality are small at Wisconsin monitors.

- In 2023: rule reduces ozone by 0.1 ppb
  - This is less than what upwind states need to do to address their contributions.

- In 2026: reduces ozone by 0.6 ppb
  - This is better, but insufficient to ensure Wisconsin areas stay in maintenance.

- Most Wisconsin nonattainment areas still have nonattainment or maintenance concerns in 2026, even with rule.
Some concerns with this proposal

• Does not require upwind states to reduce emissions sufficiently to address their impacts on Wisconsin.
  • Wisconsin sources will need to “make up” for the emissions reductions not being made in other states.

• Sheboygan is completely missing from this rule, even though EPA modeling shows the Kohler-Andrae monitor will be in nonattainment through at least 2032.
  • Kohler-Andrae projects to be highest ozone monitor in Midwest.
  • EPA provides no justification for omitting this monitor from transport assessment.

• EPA’s assumptions about Wisconsin sources, especially non-EGUs, will need to be assessed and verified.
Information and commenting

Commenting

• EPA is taking comment on the proposal through June 6, 2022. Comments can be submitted to this regulatory docket: https://www.regulations.gov/docket/EPA-HQ-OAR-2021-0668.

For more information

• Complete information about this proposal is available on EPA’s webpage here.
• EPA’s summary of the proposal is linked directly here.
Ozone Transport FIP Public Meeting

• May 11, 2022 9:00-10:00 via Zoom
• DNR will review the FIP in more detail with a broad stakeholders group
AMSG Membership

Kristin Hart
Acting Air Management Program Director
AMSG Membership

• Air Management Study Group was formed in 2013
• While individual members have come and gone, member representation has stayed the same since AMSG was formed
• As we near the 10-year mark of AMSG, timing is right to review membership
• DNR provided the current membership with a survey and reviewed responses with the group at a meeting in March
• Existing members and DNR will meet again in late May to finalize membership
Clean Air Month
Craig Czarnecki
Air Management Outreach Coordinator
Trends since early 2000’s

- PM$_{2.5}$ concentrations dropped 35%
- VOC concentrations dropped 39%
- SO$_2$ emissions from large sources dropped 92%
- Lakeshore ozone concentrations dropped 25%
- Entire state is meeting all SO$_2$, PM, NO$_2$, CO and PB standards
Kohler-Andrae State Park Display
Before...
News Release and Social Media

• May is Clean Air Month!
• Public Interaction Webpage
• Can I Burn? Tool
• Bike to Work Week
• Poetry Contest Winner
• Do a Little, Save a Lot
• Enhanced Ozone Monitoring Video
• Reducing Food Waste
• Kohler Andrae Display
Clean Air Month Webpage

- Public involvement page
- EOM video
- Committed to Clean Air video series
- Clean Air Bingo
- Air Quality Data Map
- Trends Report
- WisconsinAQM mobile app
- Sign up to receive news and notifications
Next Meeting
Thursday August 4, 2022