

Air Management Advisory Group Quarterly Meeting

December 14, 2023

Hybrid Meeting Guidelines

- Attendees in the room can raise their hand and will be called on.
- Online attendees should use the raise hand feature and will be called upon by the meeting host
- The host will attempt to respond to all messages received
- Participants will join the meeting with their video disabled. We ask that you keep your video disabled for the duration of the meeting, unless called on by the host.

Air Management Advisory Group Quarterly Meeting Agenda

- Opening remarks
- Agenda review
- Proposed guidance, rules and legislative update
- Fiscal Update
- Public Facing Data
- My Wisconsin ID
- Member Updates
- Ozone Update
- EPA Region 5 Discussion
- 2024 Meeting Dates
- 2024 Priority Topics

Proposed Guidance, Rules and Legislative Update

Ron Binzley, Permits and Stationary Source Modeling Section Chief

Brianna Denk, Air Quality Planning and Standards Section Chief

Maria Hill, Compliance, Enforcement, and Emission Inventory Section Chief



Proposed/Final DNR Rules

Proposed DNR rule	Description	Phase
AM-05-21 Updates to NOx Controls	Updates to control requirements for emissions of nitrogen compounds	Legislative Review
AM-05-22 Compliance Demonstration Rule	Updates to NR 439 testing, monitoring, recordkeeping, reporting requirements for compliance Rulemaking to Revise Chapter NR 439 Wisconsin DNR	Economic Impact Assessment Comment Period
AM-10-23 NSR Fee Rule	Updates to construction permit fees to assure compliance with Clean Air Act requirements and to meet business needs of permitted sources	Drafting Economic Impact Assessment and Board Order



Proposed EPA Rules/Guidance

Proposed EPA rule/guidance	Docket	Comments due
Air Emissions Reporting Requirements	EPA-HQ-OAR-2004-0489	11/10/2023
Regulatory Requirements for New HAP Additions	EPA-HQ-OAR-2022-0441	11/13/2023
Review of Final Rule Reclassification of Major Sources as Area Sources Under Section 112 of the Clean Air Act	EPA-HQ-OAR-2023-0330	11/13/2023
NSPS for Volatile Organic Liquid Storage Vessels	EPA-HQ-OAR-2023-0358	11/17/2023
Supplemental Notice of Proposed Rulemaking: Greenhouse Gas Power Plant Rule	EPA-HQ-OAR-2023-0072	12/20/2023
Guideline on Air Quality Models: Enhancements to AERMOD	EPA-HQ-OAR-2022-0872	12/22/2023



Finalized EPA Rules/Guidance

Finalized EPA rule/guidance	Docket	Effective Date
Second Interim Final Rule Ozone Good Neighbor Plan- Response to Judicial Stays	EPA-HQ-OAR-2021-0668	9/29/2023
Implementing Regulations for CAA Section 111(d) State Plans	EPA-HQ-OAR-2021-0527	12/18/2023
Oil and Gas Methane- NSPS and EG	Finalized- not yet published in Federal Register	60 days after publication
Revised Particulate Matter (PM) NAAQS	TBD	TBD



Fiscal Update

Gail Good, Air Management Program Director

Kristin Hart, Air Management Field Operations Director



Managing Permit Workload

Prioritization

1. Permit applications with expedited review requests
2. All other construction permit applications
3. Exemptions where DNR approval is required
4. Construction permit revisions and all other exemption requests will be reviewed depending on staff availability

Permit writers will work using a team approach

- Collaborate on reviews or reassign to take advantage of skill sets - e.g. landfill, or papermill experts, experience implementing certain RACT rules, PSD
- Assist each other with portions of the permit review, i.e., CAM, NESHAPs



Proposed Change to Construction Permit Numbering

- Existing construction permit numbering system consists of two-digit year followed by the permit writer's initials and a sequence number.

23-RAB-023

- New construction permit numbering system will replace the initials with three letters that indicate the type of permit

23-MIN-012 Minor source construction permit

23-PSD-114 PSD major NSR permit

24-NAA-005 Nonattainment area major NSR permit

- Planned roll out - July 1, 2024

Public Facing Data

Maria Hill, Compliance, Enforcement and Emissions Inventory Section Chief



Public Facing Emissions Data

Emissions inventory data submitted by sources to the DNR in ARS is widely available on DNR, DHS, and U.S. EPA public access sites

For questions, first contact the facility's compliance engineer Steven Bogost, (608) 264-8843, Steven.Bogost@wisconsin.gov. If the facility's compliance engineer is unavailable then email DNRAMEmissionsInventory@wisconsin.gov.

Air Emissions Inventory (EI) Air Reporting System (ARS) Home

Revised EI Reporting Rule:

Starting with 2023 air emissions inventory reporting for calendar year 2022 emissions, facilities must comply with the updated [438. Wis. Adm. Code](#). This system has been updated to reflect those changes.

See the department's [Air Emissions Inventory Tutorials and Fundamentals](#) webpage for additional details on the rule revision.

EI Reporting Calendar:

Date	Description
January 16, 2023	First date to either report an EI or generate an Under-Thresholds-Notification (UTN)
March 1, 2023	EI or UTN due – unless an extension to March 15, 2023 is requested in ARS (extensions will not be granted)
April 1, 2023	Facilities notified that EI or UTNs are overdue
May 31, 2023	Environmental fee statements issued to facilities
June 30, 2023	Environmental fees payments and EI certifications due

Getting Started:

- First, review the EI Reporting [Basic Steps](#) tutorial.
- Next, review the [FAQs on the DNR's webpage](#).



Air Management Data Viewer

Welcome



I want to...



Air Management Data Viewer

The Air Management Data Viewer provides information about facilities with air permits and air monitors in Wisconsin as regulated by the Air Management Program.

Tips and Navigation

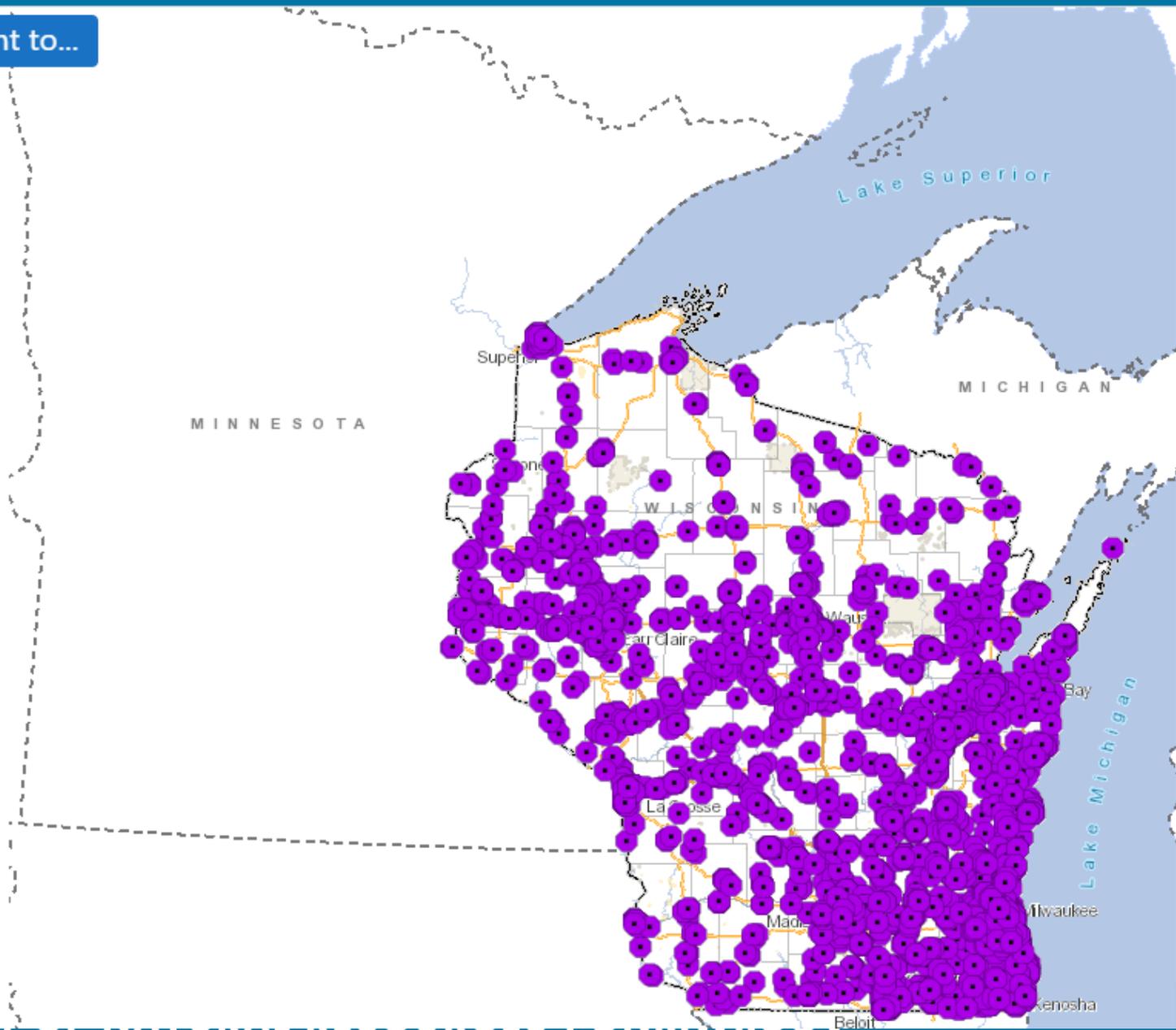
Toolbar:

- To view map data in the map layers panel click the **Show Layers** button
- To navigate the map use **Pan, Zoom In/Out, Initial View,** and **Previous/Next Extent** buttons
- For information about a facility, click the **Point Identify** button, followed by clicking on a facility of interest

Map Layer Panel

- To view map layer contents click on the plus sign
- To make data in the map visible check the box next to the layer, then click on the layer and select **"Zoom to Visible Scale"**

Contains Tele Atlas North America, Inc, WIDNR, BCPL, WDOT, USFS, USGS, and other data. Boundary data for approximate reference only. Tribal land may contain land managed by non-tribal entities.





Toxic Air Emissions - Acrolein - Total Reportable Emissions
2021 - Pounds

EXPORT DATA (.CSV) ADD TO REPORT

Choose primary category by topic

Primary Secondary Places of Interest

Choose a Category
Toxic Air Emissions

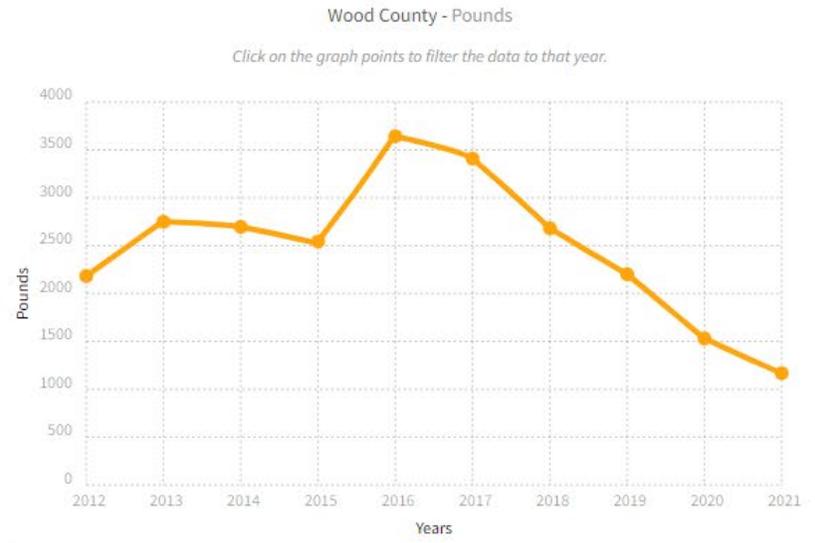
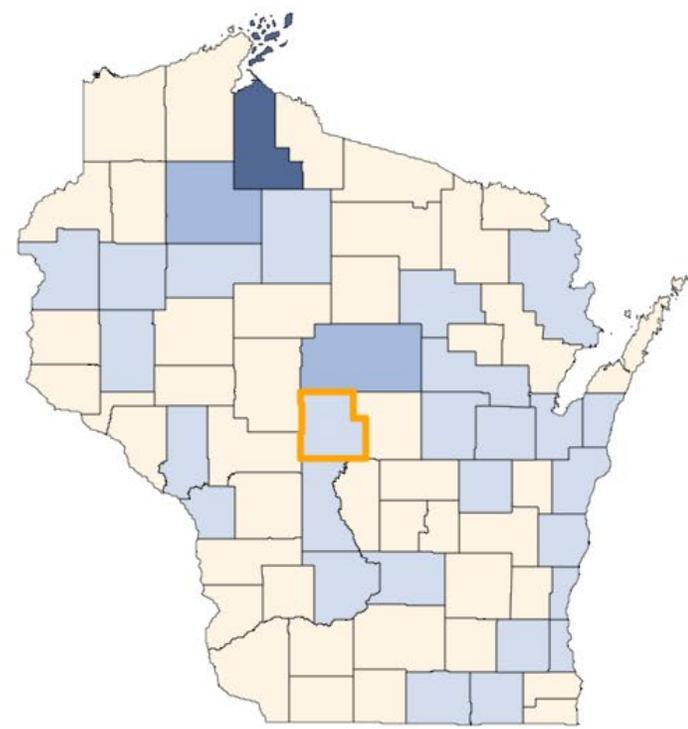
Choose a Geography
By County

Choose a Topic
Acrolein

Choose a Sub Topic
Total Reportable Emissions

Year
2021

What would you like to see?
Pounds



[Find out more information on the dataset.](#)



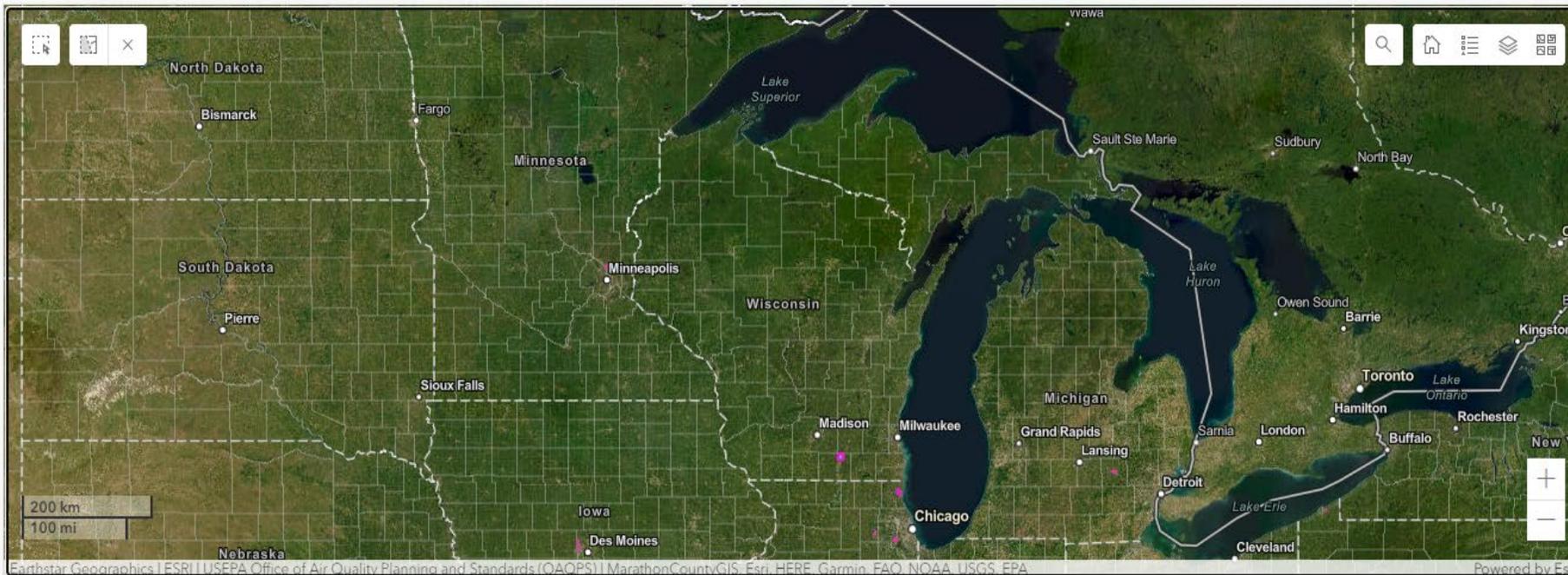
AirToxScreen Mapping Tool (based on 2018 emissions)

Zoom to State(s)
Wisconsin

Zoom to County(s)
None

Select Minimum Risk to Include
0+

Select Only Tracts With Chan...
Emissions



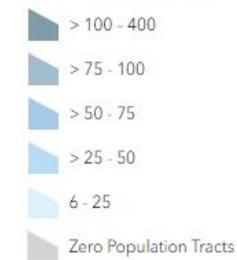
Legend

Tract Changes (click in the tract for more info)



Cancer Risk (2018)

Total Risk (in a million)



the search tool in the upper right of map by typing in a place name or by using the State and County selector tools above the map.

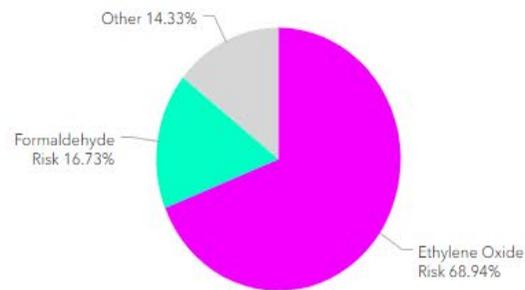
- Filter tracts by risk level using the Risk Level selector tool above the map.
- Filter tracts with risk changes since the analysis was performed by using the Risk Change selector tool at the upper right of the dashboard. To display a popup containing more information about the risk change, click on the tract without a selector tool chosen (toggle off by clicking again on the selector tool).
- To start over, click the 'x' in the upper left of the map next to the number of tracts selected (will only appear after tract(s) are selected).

Tract Source Contribution

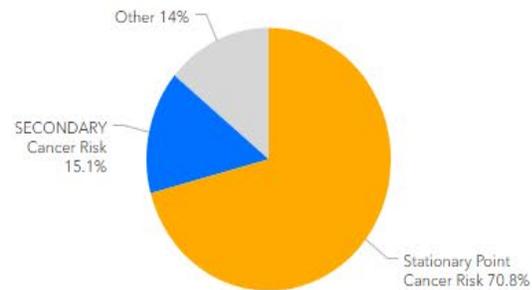
State: IL
County: Lake
Tract ID: 17097861507
Total Risk (per million): 100
Point Risk (per million): 82.934113
Nonpoint Risk (per million): 1.155288
Onroad Risk (per million):
Nonroad Risk (per million): 2.008677
Fire Risk (per million): 0.866365
Biogenic Risk (per million): 0.840444
Secondary Risk (per million): 9.573791
Background Risk (per million): 2.280000

Location Air Toxic Source

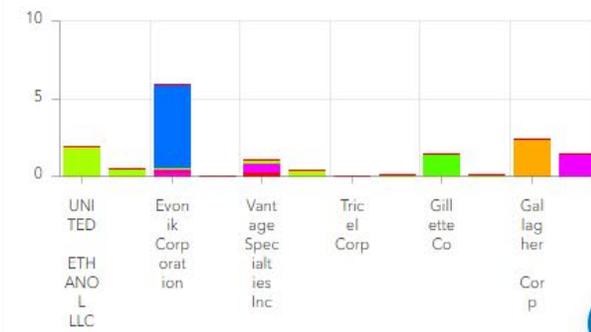
Risk by Air Toxic



Risk by Source Type



Facility Emissions (tons)

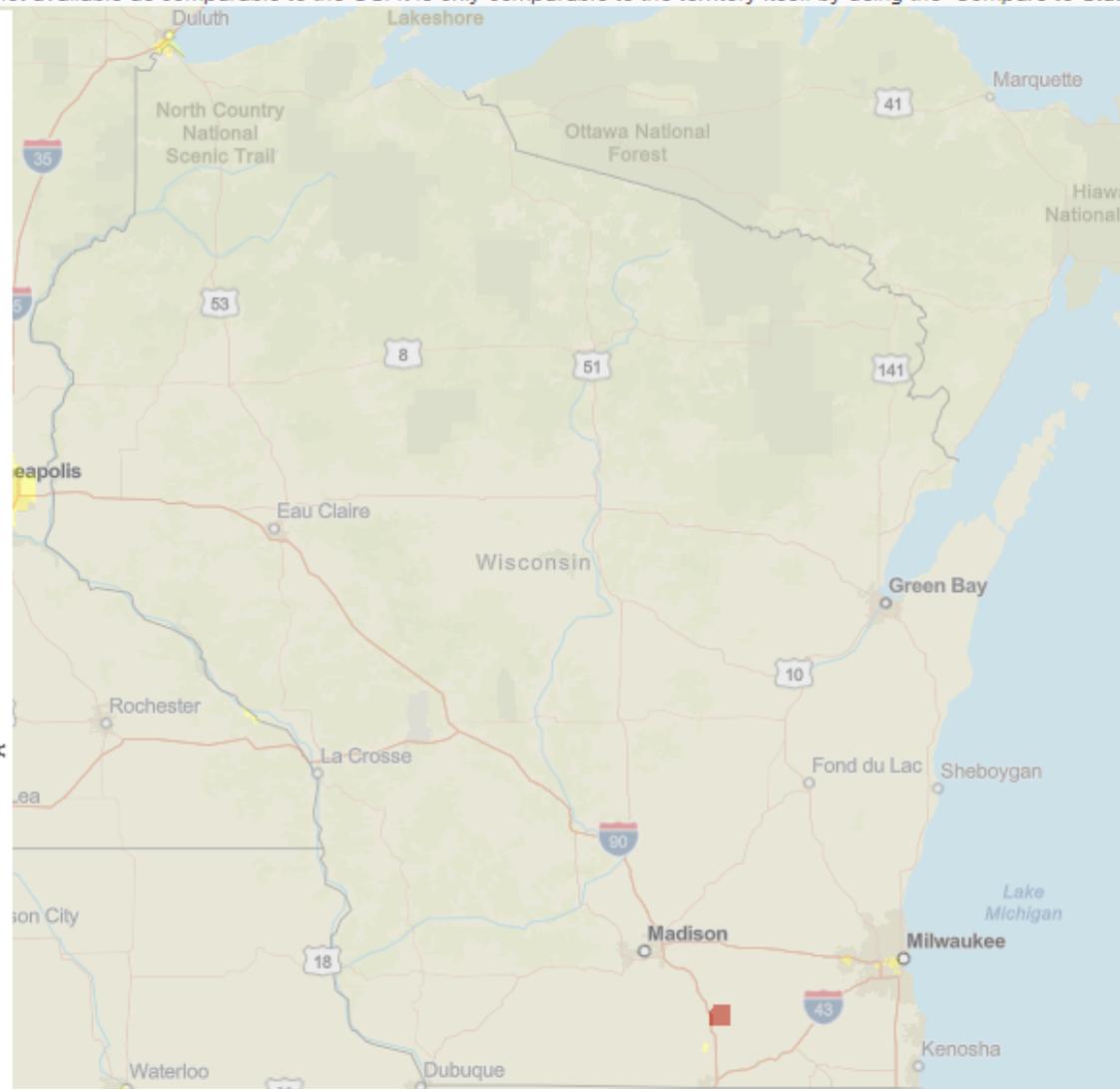


EPA EJScreen EPA's Environmental Justice Screening and Mapping Tool (Version 2.12)

Please note: Territory data (except Puerto Rico) is not available as comparable to the US. It is only comparable to the territory itself by using the 'Compare to State' option.

Compare to US Compare to State

- Environmental Justice Indexes
- Supplemental Indexes
- Pollution and Sources**
 - Particulate Matter 2.5
 - Ozone
 - Diesel Particulate Matter
 - Air Toxics Cancer Risk**
 - Air Toxics Respiratory HI
 - Traffic Proximity
 - Lead Paint
 - Superfund Proximity
 - RMP Facility Proximity
 - Hazardous Waste Proximity
 - Underground Storage Tanks
 - Wastewater Discharge
- Socioeconomic Indicators





Quick Search



Search Options



Analyze Trends



Find EPA Cases



Data Services



Help



News

Quick Search

Search By

Location

Facility Name/ID

Enter city, state, and/or zip code

Search

[More Search Options](#)

Use EPA's Enforcement and Compliance History Online website to search for facilities in your community to assess their compliance with environmental regulations. You can use ECHO to:

- Search for Facilities
- Investigate Pollution Sources
- Search for EPA Enforcement Cases
- Examine and Create Enforcement-Related Maps
- Analyze Trends in Compliance & Enforcement Data



[Read the Quick Start Guide](#)



[Watch a Video Tutorial](#)



[Explore the Tool Guide](#)



Public Facing Emissions Data

- Emissions inventory data submitted by sources to the DNR in ARS is widely available on DNR, DHS, and U.S. EPA public access sites
- Accurate and timely data is extremely important
- DNR is available for assistance reporting emissions data

For questions, first contact the facility's compliance engineer Steven Bogost, (608) 264-8843, Steven.Bogost@wisconsin.gov. If the facility's compliance engineer is unavailable then email DNRAMEmissionsInventory@wisconsin.gov.

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MyWisconsin ID

Emily Houtler, Business Relationship Manager

MyWisconsin ID Overview

- The State of Wisconsin is moving toward a single personal account for each citizen to secure private access to participating Wisconsin government resources and agencies.
- MyWisconsin ID will replace existing WAMS ID.
- All agencies required to transition away from WAMS ID by 2027. Agencies that have already migrated include:
 - Department of Administration
 - Department of Corrections
 - Department of Children and Families

MyWisconsin ID and DNR

- DNR IT migrating 50+ WAMS ID systems to use MyWisconsin ID by end of 2026
- Air Management has four WAMS ID applications:
 - Air Reporting System
 - Air Permit and Compliance System
 - Asbestos Renovation and Demolition Notification
 - Asbestos Inspection Checklist
- Project is currently setting up test applications
- Application migrations planned to start Fall 2024
- More information will be provided as project progresses

MyWisconsin ID Transition

- Every person who needs to access a WAMS ID system will need a MyWisconsin ID.
- Process for creating MyWisconsin ID can be found [here](#).
- MyWisconsin ID is person specific; it is not a facility or company ID.
- MyWisconsin ID requires multi-factor authentication and has stronger password requirements. More information can be found [here](#).
- Registration and set-up for MyWisconsin ID is available now!

Member Updates



Ozone Topics

Katie Praedel
Air Monitoring Section Chief

Brianna Denk
Air Quality Planning and Standards Section Chief

2023 Wisconsin Ozone Season Close out

- April 1 – October 15 at all sites except those located in Kenosha
- Annual Ozone off-season includes
 - Preventative Maintenance and Certification of:
 - ~70 Calibration instruments
 - ~100 Pollution measurement instruments
 - Site and shelter upgrade at three sites



Status of the 2023 Ozone Season

Top Four 8-Hour Average Ozone Concentrations – as of **November 1, 2023**

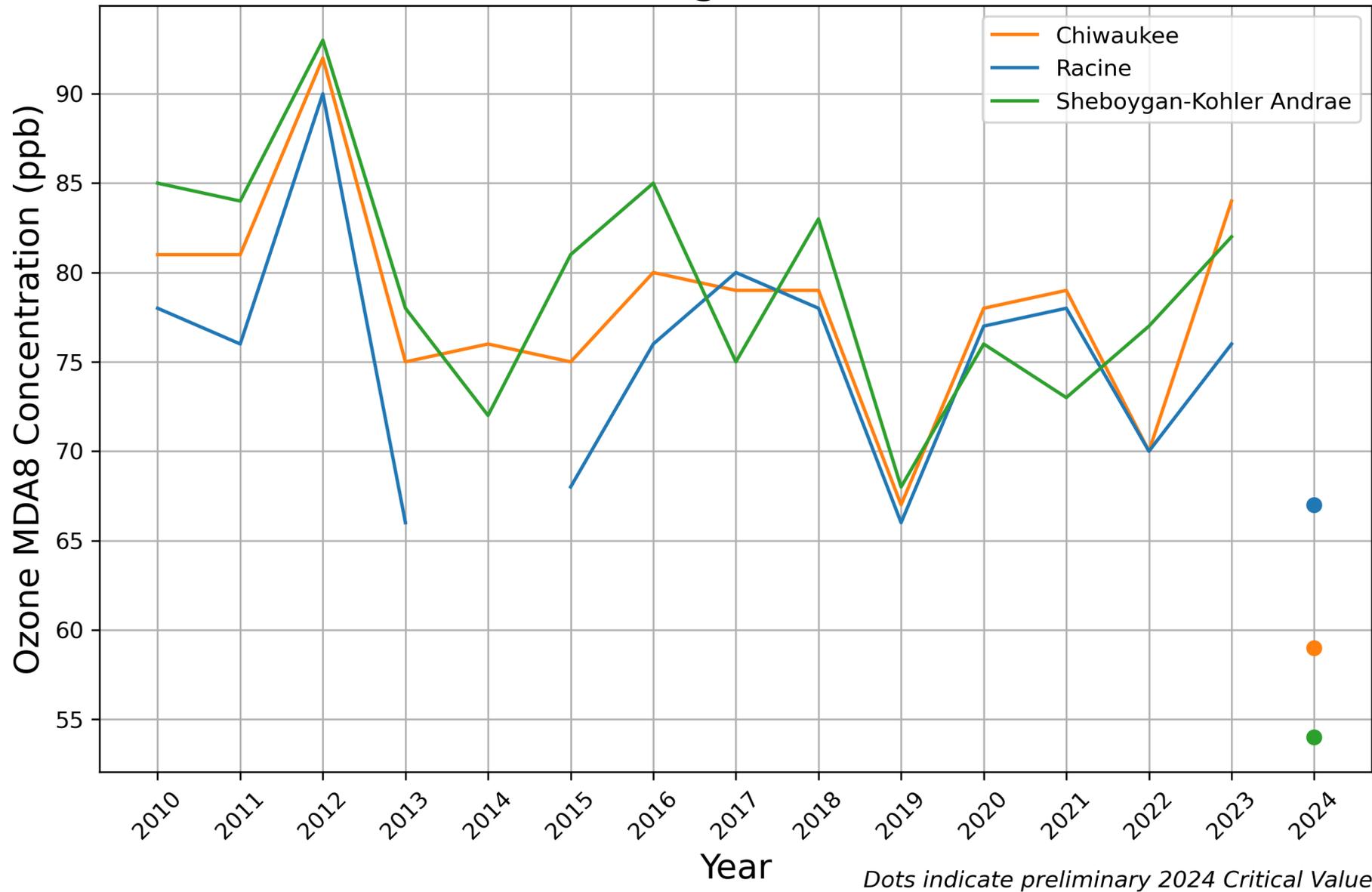
Wisconsin Sites	Concentrations (ppb)				2023 Critical Values (2008 NAAQS)	Days at/above Critical Values (2008 NAAQS)	2023 Critical Values (2015 NAAQS)	Days at/above Critical Values (2015 NAAQS)	Preliminary 2021-2023 "Design Value" (2015 NAAQS)
	1st high	2nd high	3rd high	4th high					
Bayside	104	90	77	76	82	2	67	20	74
Beloit	96	86	84	84	97	0	82	4	71
Chiwaukee	100	87	85	84	79	9	64	36	77
Columbus	89	86	83	82	101	0	86	2	69
Devils Lake	99	86	79	76	103	0	88	1	67
Elkhorn	83	82	82	82	89	0	74	13	73
Grafton	107	97	78	77	84	2	69	19	73
Harrington Beach	106	97	81	77	84	2	69	14	73
Horicon	82	82	81	78	95	0	80	3	70
Kenosha-WT	102	87	83	80	85	2	70	19	74
Kewaunee	98	94	79	75	88	2	73	6	71
Madison East	98	85	84	81	100	0	85	2	69
Manitowoc	96	80	77	69	77	3	62	18	73
Milwaukee-16th	85	73	69	68	97	0	82	1	66
Milwaukee-UPark	97	82	78	76	87	1	72	7	72
Newport	89	78	74	73	83	1	68	13	72
Racine	105	86	77	76	80	2	65	26	74
Sheboygan-Haven	94	90	74	74	91	1	76	2	70
Sheboygan-KA	112	98	84	82	78	8	63	36	77
Waukesha	85	83	83	80	89	0	74	10	73

2015 NAAQS: 70 ppb	Non-Attainment for 2015 NAAQS	Reached 2015 Critical Value	Exceeded 2015 Standard
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Note: 2023 data have not yet been QA'ed or certified and are subject to change. Values are only shown for monitors that exceeded their critical value at least once.



Ozone 2010-2023 4th Highs and 2024 Critical Values



2023 Ozone- Smoke Impacts

Wisconsin Sites	Total Days w/ Smoke Flags	Smoke flagged days with:	
		USG+ AQI	Conducive Meteorology
Chiwaukee	33	22	86%
Racine	34	16	88%
Sheboygan-KA	34	14	86%

Additional exceedances of the NAAQS and critical values occurred at each of these sites on days that were not flagged for smoke impacts.



Good Neighbor Plan

- EPA has promulgated two interim final rules to stay the Good Neighbor Plan implementation in 12 states.
 - The DNR did develop comments on both rules.
- Currently, the rule is being fully implemented in 10 states including Wisconsin.
- No updates on status of active Wisconsin DOJ litigation.



Principles for Addressing Environmental Justice Concerns in Air Permitting

John Mooney

U.S. Environmental Protection Agency

Region 5

December 2023

Background and Development Approach

- Workgroup formed in July 2021 to develop an interim operating framework that provides practical recommendations for analyzing and addressing EJ in air permitting actions
- Considered EPA, Tribal, state, and local roles in CAA permitting
 - State & local agencies issue majority of CAA permits
 - CAA permits include construction and operating permits for major and minor sources
- EPA has been actively soliciting feedback from large variety of stakeholders in 2023
- Designed to promote consistency in EPA's EJ approach to air permitting

Principles for Addressing EJ Concerns in Air Permitting

- [Principles for Addressing Environmental Justice Concerns in Air Permitting](#) (Dec 22, 2022)
- Eight guiding principles
- Supports regions to take immediate action to address EJ concerns as part of EPA's implementation of air permitting programs
- Encourages regions to share the principles with Tribal, state, and local partners and to work proactively and collaboratively with those partners to facilitate consideration and application of these principles in their air permitting actions.
- Encourages examining all relevant statutory and regulatory authorities, including discretionary authorities to address or mitigate identified air quality impacts to the extent feasible. References *EPA Legal Tools to Advance Environmental Justice*.
- Addresses Title VI requirements by referencing *Interim Environmental Justice and Civil Rights in Permitting Frequently Asked Questions ("FAQ")*

Principles for Addressing EJ Concerns in Air Permitting

1. Identify communities with potential environmental justice concerns
2. Engage early in the permitting process to promote meaningful participation and fair treatment
3. Enhance public involvement throughout the permitting process
4. Conduct a “fit for purpose” environmental justice analysis
5. Minimize and mitigate disproportionately high and adverse effects associated with the permit action to promote fair treatment
6. Provide federal support throughout the air permitting process
7. Enhance transparency throughout the air permitting process
8. Build capacity to enhance the consideration of environmental justice in the air permitting process

Air Permitting-Related Environmental Justice Documents



[“EPA Legal Tools to Advance Environmental Justice”](#), May 2022

[“Interim Environmental Justice and Civil Rights in Permitting Frequently Asked Questions”](#), August 2022

[“EJ in Air Permitting: Principles for Addressing Environmental Justice Concerns in Air Permitting”](#), December 2022

[“EPA Legal Tools to Advance Environmental Justice: Cumulative Impacts Addendum”](#), January 2023

EJ Principles in Air Permitting

1. Identify communities

2. Engage early

3. Enhance public involvement

4. Fit-for-purpose analysis

5. Minimize and mitigate

6. Provide federal support

7. Enhance transparency

8. Build capacity

Additional Tools

- [*EPA Legal Tools to Advance Environmental Justice*](#)
- [*Interim Environmental Justice and Civil Rights in Permitting Frequently Asked Questions*](#)

2024 Meeting Dates

- Thursday, March 14
- Tuesday, June 4
- Thursday, September 5
- Thursday, December 5

2024 Priority Topics

Gail Good, Air Management Program Director

2024 Priority Topics

Emerging federal regulation

- Emerging contaminants (PFAS)
- Federal permit actions
- **PM2.5 NAAQS**
- Long term planning at the federal level
- Climate initiatives

Ongoing efforts

- **Environmental Justice**
- 2015 ozone NAAQS implementation
- Ozone transport
- SIP submittals and redesignation requests
- Regional haze
- Rulemaking

Opportunities

- **Inflation Reduction Act**
- Transparency in information
- Goals and vision of DNR
- Working with other states and organizations