



Air Management Study Group Quarterly Meeting Agenda

- Opening remarks & agenda review
- Hiring update
- Proposed guidance, rules and legislative update
- Act 369 update
- EDGE Pilot Project (Formerly known as Act 70)
- Diesel Emission Reduction Act (DERA) Grant
- E-Signature update
- Air Program organizational chart
- Air Monitoring update
- Member updates
- Ozone updates
- Clean Air Month
- Pre-Draft Permit Review

Air Management Study Group Quarterly Meeting

Madison
May 23, 2019

Hiring Update

Andy Stewart
Air Program Field Operations Director

Proposed Guidance and Rules Legislative Update

Kristin Hart

Permits and Stationary Source Modeling Section Chief

David Bizot

Air Quality Planning and Standards Section Chief

Proposed DNR Guidance

| DNR Guidance in Drafting Phase | Description | Target Date |
|--------------------------------|-------------|-------------|
| None | | |
| DNR Guidance in Public Comment | Description | Date Posted |
| None | | |
| Finalized DNR Guidance | Location | Final Date |
| None | | |

Proposed DNR Rules

| Proposed DNR rule | Description | Phase |
|--|--|---------------------------------------|
| AM-18-13 Lithographic Printing Rule | Changes to NR 422.142 and 422.143, to clarify and streamline the requirements for lithographic printing facilities. | Under legislative Review |
| AM-24-12b Air Permit Streamlining Rule Part 2 | Changes to improve operational efficiency and to simplify the permitting processes administered under chs. NR 406 and 407, while remaining consistent with the federal Clean Air Act (CAA). | Preparing for adoption by NRB and Gov |
| AM-20-18 VOC RACT | Scope statement approved April 10, 2019 Updates to two RACT rules in ch. NR 422 to meet current EPA Guidelines: Miscellaneous Metal and Plastic Parts Coatings, and Miscellaneous Industrial Adhesives. | Rule Drafting |

Proposed EPA Rules

| Proposed EPA rule/guidance | Docket | Comments due |
|--|---------------------------------------|----------------|
| Wisconsin; Nonattainment New Source Review Requirements for the 2008 8-Hour Ozone Standard | EPA-R05-OAR-2018-0569 | March 14, 2019 |
| Air Plan Disapproval; Wisconsin; Redesignation Request for the Wisconsin portion of the Chicago-Naperville, Illinois-Indiana-Wisconsin Area to Attainment of the 2008 Ozone Standard | EPA-R05-OAR-2016-0496 | March 18, 2019 |
| Revision of Sheboygan County, Wisconsin Nonattainment Designation for the 1997 and 2008 Ozone Standards and Clean Data Determination for the 2008 Ozone Standards | EPA-R05-OAR-2018-0035 | March 18, 2019 |

Proposed EPA Rules

| Proposed EPA rule/guidance | Docket | Comments due |
|---|---------------------------------------|----------------|
| Modifications to Fuel Regulations: Provide Flexibility for E15; Modifications to RFS RIN Market Regulations | EPA-HQ-OAR-2018-0775 | April 29, 2019 |
| Air Plan Approval; Wisconsin; Infrastructure SIP Requirements for the 2012 PM2.5 | EPA-R05-OAR-2018-0840 | May 30, 2019 |

Finalized EPA Rules/Guidance

| Finalized EPA rule/guidance | Link | Date finalized |
|--|---------------------------------------|----------------|
| Wisconsin; Reasonable Further Progress Plan and other Plan Elements for the Moderate Nonattainment Chicago Area for the 2008 Ozone Standards | EPA-R05-OAR-2017-0212 | March 15, 2019 |
| Review of the Primary National Ambient Air Quality Standards for Sulfur Oxides | EPA-HQ-OAR-2013-0566 | April 17, 2019 |
| Guidance on the Development of Modeled Emission Rates for Precursors (MERPs) | EPA-454-R-16-006 | April 30, 2019 |
| Air Plan Disapproval; Wisconsin; Redesignation Request for the Wisconsin Portion of the Chicago-Naperville, Illinois-Indiana-Wisconsin Area to Attainment of the 2008 Ozone Standard | EPA-R05-OAR-2016-0496 | May 20, 2019 |

Draft and Final Legislation

| Draft legislation | Link |
|-------------------|------|
| None to report | |

| Final legislation | Link |
|-------------------|------|
| None to report | |

Act 369 Update

Andy Stewart
Air Program Field Operations Director

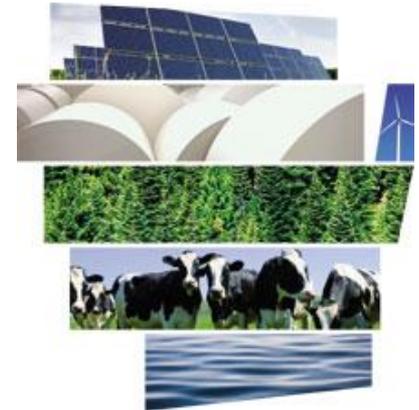
EDGE Pilot Project Update (Formerly known as Act 70 Pilot)

Kristin Hart

Permits and Stationary Source Modeling Section Chief

EDGE Pilot Project Update

- The newly named EDGE Pilot Project Workgroup met May 15, 2019
- **Economic Development and Green Environment – *EDGE***
- Two new workgroups formed
 - Performance Measures Team
 - Outreach and Communication Team
- Pivoting from planning to pilot project
 - Looking for appropriate facilities, municipalities, and locations to reach out to



EDGE Pilot Project Update

- Case Studies – Walked through hypothetical projects to test “Simple Case” vs “Charter Example”
 - Process for a single facility
 - Process for a developer or municipality to create a Green Tier Charter to attract businesses
- Update on Green Tier Registration Permit
 - How to gain coverage: Pathway for existing Tier 2 facility vs pathway for new facility
 - Progress on application materials and outreach
 - Progress on Green Tier 2 materials

Diesel Emissions Reduction Act (DERA) Grant

David Bizot

Air Quality Planning and Standards Section Chief

DERA Grant

- Achieves emission reductions by replacing aging diesel engines to improve air quality and public health.
- DNR has participated in this [EPA program](#) since 2008.
- EPA funded with optional state match.



DERA Grant

- For federal FY19, DNR is expected to have approx. \$700,000 available.
- Eligible projects will be: school/transit bus and nonroad (e.g., construction) diesel engine replacement/retrofit
- Projects in PM and ozone nonattainment and maintenance areas that are cost-effective at reducing emissions will be a priority.
- Call for projects will occur this fall. Your help at getting the word out is appreciated!
- DNR website: <https://dnr.wi.gov/Aid/CleanDiesel.html>

E-Signature Update

Andy Stewart
Air Program Field Operations Director

E-Signature Update

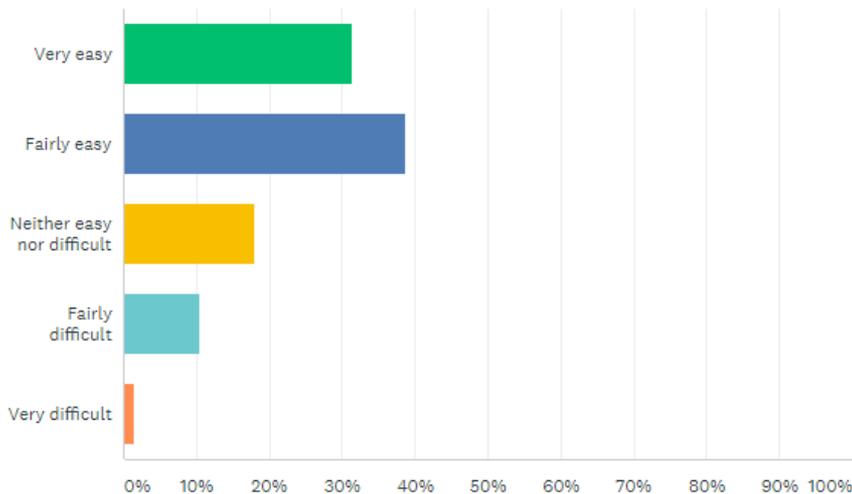
- January 10, 2019
 - 135 e-Sign attempts
 - 118 successful submissions
 - 87% success rate
- April 8, 2019
 - 467 e-Sign attempts
 - 420 successful submissions
 - 90% success rate

E-Signature Update

- Survey sent out in March
- 137 facilities responded
- 51% of respondents used e-Sign this year
- 70% indicated system was very/fairly easy to use
- 92% were very/somewhat likely to use e-Sign in future

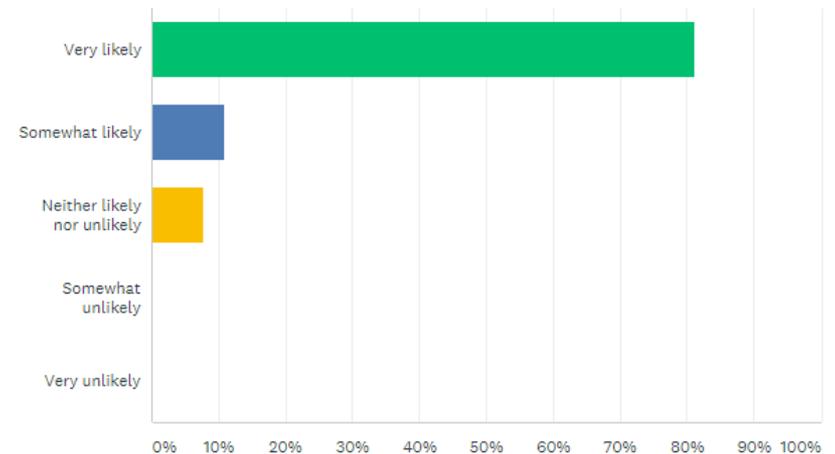
How difficult or easy was e-Signature to complete?

Answered: 67 Skipped: 71



What is the likelihood that you will use e-Signature in the future?

Answered: 64 Skipped: 74

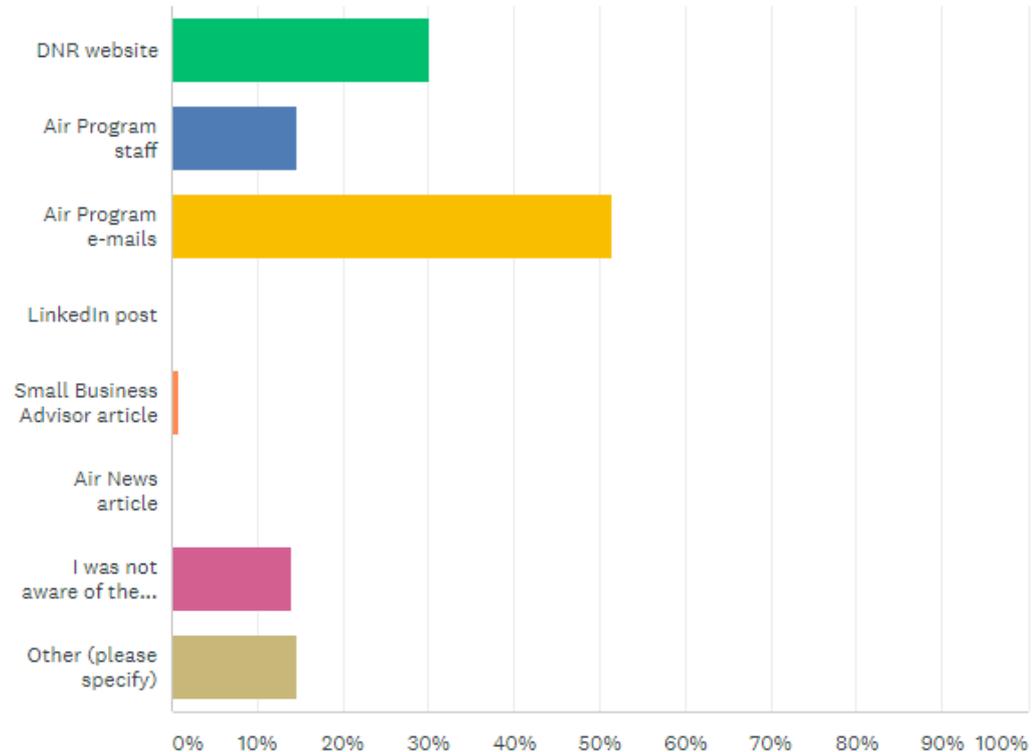


E-Signature Update

- Outreach emails were highest reported method of e-sign awareness
- Received recommendations to continue outreach awareness efforts

How did you learn about e-Signature (select all that apply)?

Answered: 136 Skipped: 2



E-Signature Update

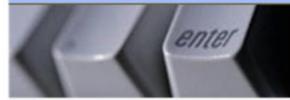
- Proposed improvements
 - Make e-sign resources more visible on [electronic reporting page](#).
 - Add three new email prompts during process
 - Survey customers again in April 2020 for recommendations on continued system improvements.

Compliance certification



- [Guidebook \(AM-536\) \[PDF\]](#)
- [Quick instructions \[PDF\]](#)

Monitoring reports



- [Guidebook \(AM-537\) \[PDF\]](#)
- [Quick instructions \[PDF\]](#)

Stack testing



- [Guidebook \(AM-538\) \[PDF\]](#)
- [Quick instructions \[PDF\]](#)

Reports, plans & notifications



- [Guidebook \(AM-551\) \[PDF\]](#)
- [Quick instructions \[PDF\]](#)

Help and tutorials



- [Helpful hints and FAQ](#)
- [Electronic reporting tutorials](#)
- [E-signature tutorial \[Video\]](#)

e-Signature



- [Guidebook](#)
- [Quick instructions \[PDF\]](#)
- [E-signature tutorial \[Video\]](#)

Air Program Organizational Chart

Andy Stewart

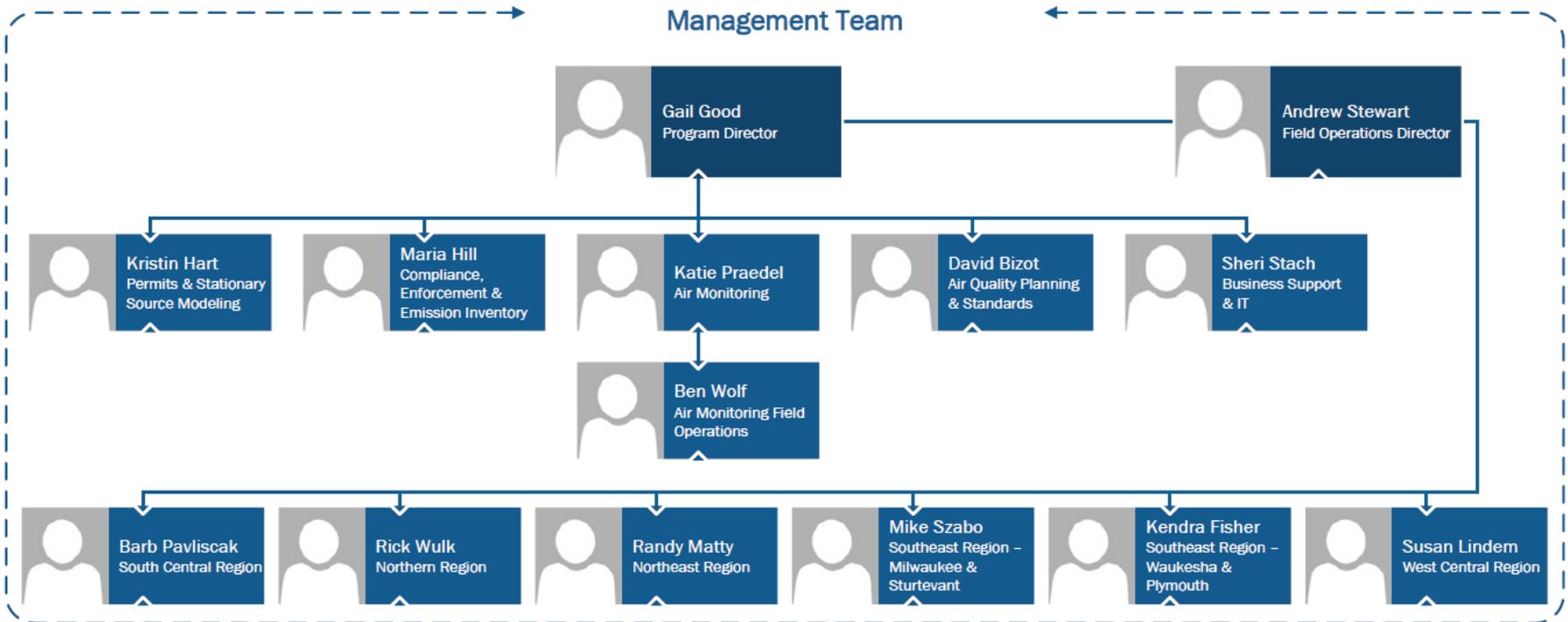
Air Program Field Operations Director

Organizational Chart

- Request made by AMMSG at May 2018 meeting
 - View program structure
 - Easier way to find contacts in the program
- AM staff have been working on a public-facing program-wide org chart for the last few months
- Several drafts created and discussed with program management

Organizational Chart

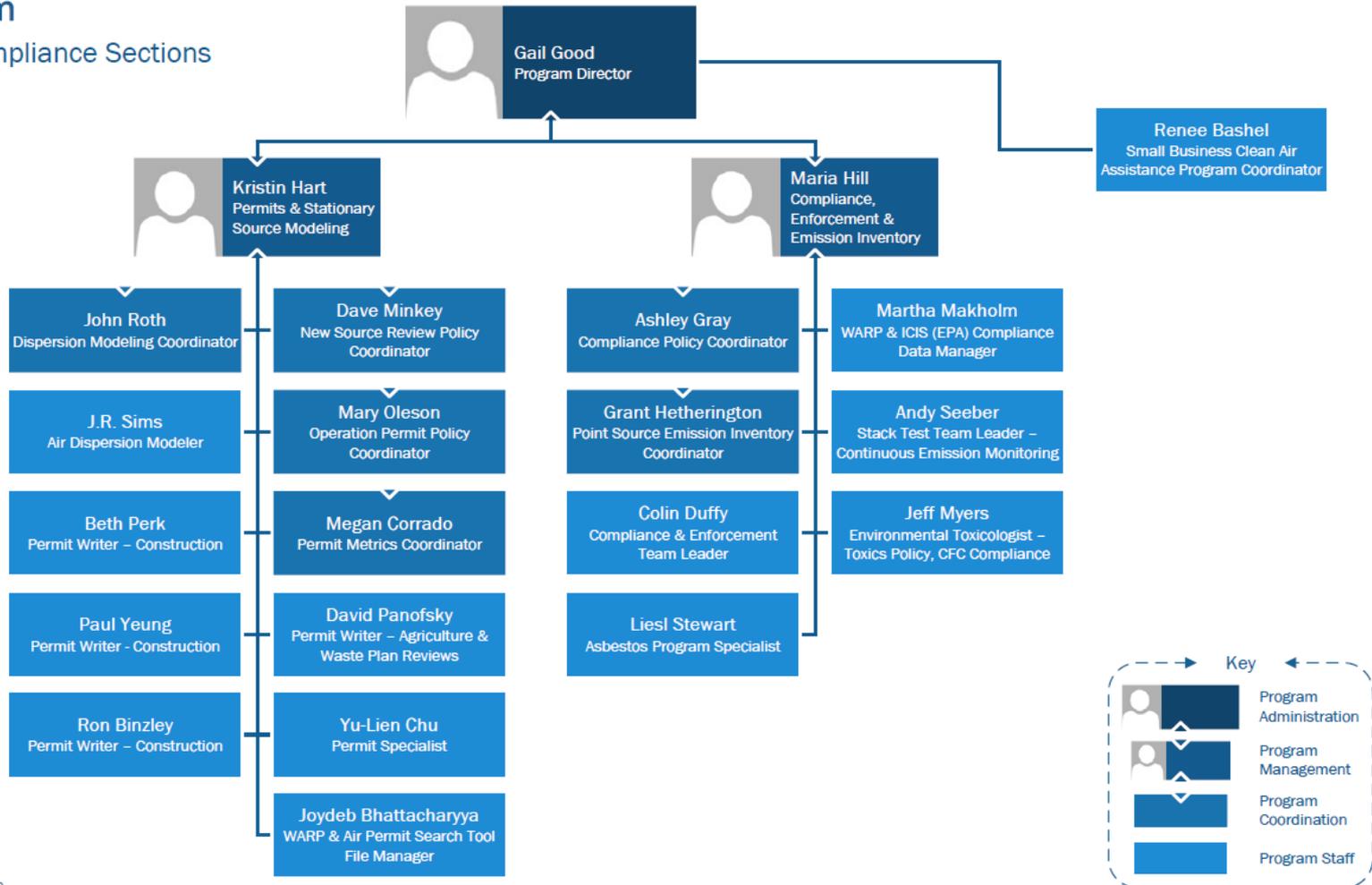
Air Program Organizational Chart



Organizational Chart

Air Program

Permits & Compliance Sections



Air Monitoring Update

Katie Praedel
Air Monitoring Section Chief

Air Monitoring

- 2019 Trends report
- Ideas generated from other trends presentations, DNR staff, EPA and AMSG
- Present here or contact Katie.Praedel@wisconsin.gov



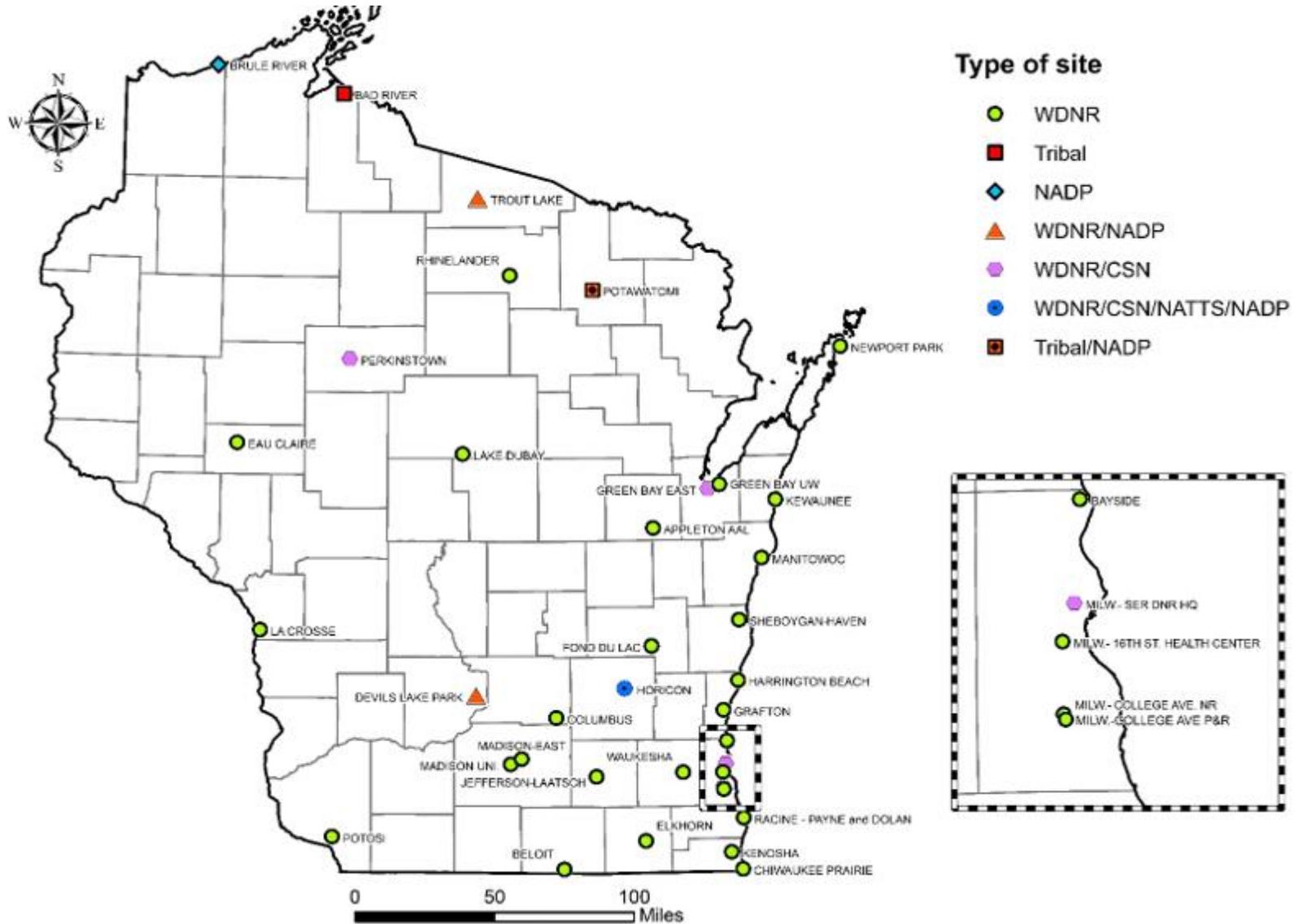


Air Monitoring

Annual Air Monitoring Network Review

- To examine Wisconsin's ambient air monitoring network in operation during 2019 – 2020
- Look back on changes proposed and completed in previous plans
- Recommend changes based on:
 - Monitor history
 - Population distribution
 - Modifications to federal monitoring requirements under the Clean Air Act, and 40 CFR Part 58
- To consider recommended changes to the network based on the findings of the 5-Year Network Assessment submitted to US EPA on July 1, 2015

All Monitoring Networks





WI Statutes Impacting the Network Plan

WI Statute 285.72(3)(a)(c)

285.72 Air quality monitoring stations.

[285.72\(2\)](#) From the appropriation under s. [20.370 \(4\) \(cv\)](#), the department shall fund the operation and maintenance of an air quality monitoring station in a county where a sulfur dioxide monitor has been in place for 3 years as a result of sulfur dioxide monitoring requirements under [40 CFR part 51](#) and the data requirement rule for the 2010 one-hour sulfur dioxide primary national ambient air quality standard published in the federal register on August 21, 2015. The department may designate the monitoring station as a special purpose monitor under [40 CFR 58.20](#).

[285.72\(3\)\(a\)](#) The department may not include the air monitoring site located at Kohler-Andrae State Park in Sheboygan County in the state's initial monitoring network plan required under [40 CFR 58.10](#).

[285.72\(3\)\(b\)\(c\)](#) If the federal environmental protection agency does not approve the initial plan submitted by the department under par. [\(a\)](#), the department may submit a revised plan that includes the air monitoring site located at Kohler-Andrae State Park in Sheboygan County.



Proposed Network Changes (May 1, 2019 – December 31, 2020)

- Implement **EOM** Plan
- Transfer **operation of Kaukauna SO₂** site to DNR
- Racine** will be relocated due to a development project at the property
- Shutdown** and reallocation of parameters at **Milwaukee SER** monitoring site to accommodate building demo expected to occur Dec 2020
- Shutdown** of BAM at Milwaukee **College Ave. Park & Ride**
- Shutdown and start-up of industrial monitors
- Start-up** PM₁₀, PM_{10-2.5} monitor (from Milwaukee SER) at **Eau Claire**
- Final Transition PM_{2.5}/PM₁₀/PM_{10-2.5} FEM** monitors to newer methodology (i.e. scattered light spectroscopy)
 - Remaining monitoring sites to transition
 - » Green Bay East High
 - » Milwaukee Sixteenth St. Health Center
 - » Devils Lake
 - All Collocation requirements have been considered and will be met during this transition



SO₂ Data Requirements Rule Emissions Assessment

- The SO₂ Data Requirements Rule (DRR) requires Wisconsin to submit an annual report to the Regional Administrator that documents the annual SO₂ emissions of each applicable source in each area where modeling of actual SO₂ emissions served as the basis for designating such area as attaining the 2010 1-hour SO₂ NAAQS.
- Electing to submit modeling of Sheboygan County, so this assessment will not be required for that area in the future.
- Given the emission decreases, DNR recommends no additional modeling for Sheboygan and Marathon Counties.

Table 1. SO₂ emissions inventory data for Marathon County (tons per year)

| FID | FACILITY NAME | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|------------|--|------|------|------|------|------|------|
| 737009020 | WISCONSIN PUBLIC SERVICE CORPORATION- WESTON PLANT | 7120 | 5521 | 4099 | 1337 | 615 | 669 |
| 737009570 | EXPERA SPECIALTY SOLUTIONS - MOSINEE | 1381 | 1461 | 1498 | 1469 | 1496 | 1560 |
| 737010450 | DOMTAR PAPER COMPANY LLC | 28 | 27 | 29 | 26 | 27 | 23 |
| Area Total | | 8529 | 7009 | 5626 | 2832 | 2138 | 2252 |

Table 2. SO₂ emissions inventory data for Sheboygan County (tons per year)

| FID | FACILITY NAME | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|------------|---|-------|-------|-------|------|------|------|
| 460033090 | ALLIANT ENERGY - WPL - EDGEWATER GENERATING STATION | 13760 | 10665 | 10619 | 5981 | 4511 | 3580 |
| 460006360 | SHEBOYGAN WASTE WATER TREATMENT PLANT | 4 | 4 | 0 | 4 | 3 | 1 |
| Area Total | | 13764 | 10669 | 10619 | 5918 | 4511 | 3581 |

Member Updates

Ozone Update

David Bizot

Air Quality Planning and Standards Section Chief

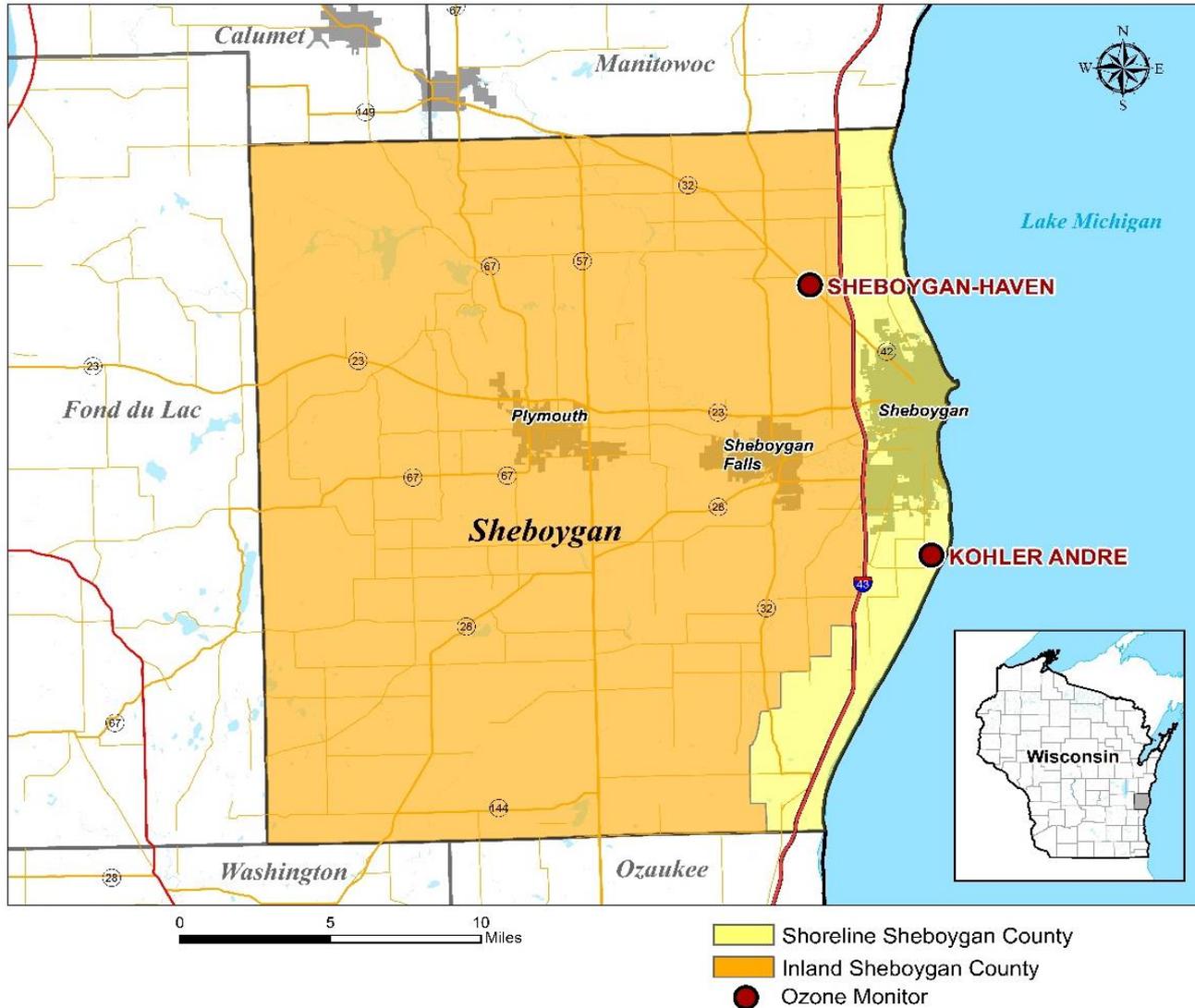
Kristin Hart

Permits and Stationary Source Modeling Section Chief

2008 Ozone NAAQS: Sheboygan County split

- EPA has proposed to split the current Sheboygan County 2008 ozone nonattainment area into two areas:
 - “Inland Sheboygan County”
 - “Shoreline Sheboygan County”
- EPA has not yet finalized this proposal.
- In anticipation of EPA’s final action, DNR has drafted a redesignation request for Inland Sheboygan County.
 - [Hearing notice and draft SIP](#)
 - Public comment through June 17
 - Public hearing on June 7, 10:30 a.m., Plymouth Public Library

2008 Ozone NAAQS: Sheboygan County split



2008 Ozone NAAQS: Reclassification update

- Neither the partial Kenosha (part of 3-state Chicago area) or Sheboygan County nonattainment areas attained the 2008 ozone NAAQS by July 20, 2018.
- EPA final action on this is expected before July.
- Kenosha is proposed to be reclassified to “serious.”
 - See updates, following slides
- Sheboygan is proposed to be granted a one-year extension to attain, to July 20, 2019.
 - Based on draft 2018 data, area will not attain; bump-up to serious is expected in late 2019.

2008 Ozone NAAQS: Reclassification to “Serious” Permitting Outreach

| Current Permit Status | Actions needed | Outreach efforts |
|--|--|--|
| Title V Major Source | No changes to operation permits needed | No sources affected – information available on DNR website and on air news |
| Synthetic Minor Source | Facilities with emission caps on VOC or NOx must be adjusted by revision to operation permit or facility must apply for Title V permit | No sources affected – information available on DNR website and on air news |
| Synthetic Minor Source capped at less than 80% of Major source Threshold | Facilities with emission caps of 80 tons/yr on VOC or NOx must be adjusted or facility may pay additional fee or need a Title V permit | 3 facilities contacted directly and have applied for revisions to adjust emission caps |

2008 Ozone NAAQS: Reclassification to “Serious” Permitting Outreach

| Current Permit Status | Outreach/Actions | Number Affected |
|-----------------------|---|--|
| General Permits | No changes needed to Crusher or Asphalt Plant General Permits | No sources affected – information available on DNR website and on Air News |
| Registration Permits | Permit coverage needs to be adjusted for sources whose actual emissions of NO _x or VOC exceed new permit thresholds <ul style="list-style-type: none"> • Change from ROPA or ROPC to ROPB • Change from ROP to individual permit | No ROP sources have reported emissions exceeding new thresholds. Emails to be sent to all ROP holders in the area. 3 ROP holders emitting at or above 75% of new threshold will be individually contacted. |

2008 Ozone NAAQS: Reclassification to “Serious” Permitting Outreach

| Current Permit Status | Outreach/Actions | Number Affected |
|--------------------------|---|--|
| Natural Minor Exemptions | Sources with maximum theoretical emissions of NO _x or VOC exceeding 50 ton/yr need to obtain synthetic minor operation permits | One facility with natural minor exemption, confirmed MTE’s are less than 50 ton/yr |
| 10 ton exemptions | No changes needed since all emissions are capped at less than new thresholds | No sources affected – information available on DNR website and on air news |

2008 Ozone NAAQS: Reclassification to “Serious” Permitting Outreach

| Current Permit Status | Outreach/Actions | Number Affected |
|-----------------------|---|---|
| Other facilities | Facilities with pending state operation permit applications and facilities with no permit applications need to confirm that MTE's of VOC and NOx are less than 50 ton/yr or need to obtain an exemption or permit | Individual outreach by compliance inspector to 18 facilities. Results: <ul style="list-style-type: none">• 1 confirmed closed• 11 confirmed exempt• 6 deciding between exemption and ROP coverage |

Clean Air Month

Craig Czarnecki
Public Information Specialist

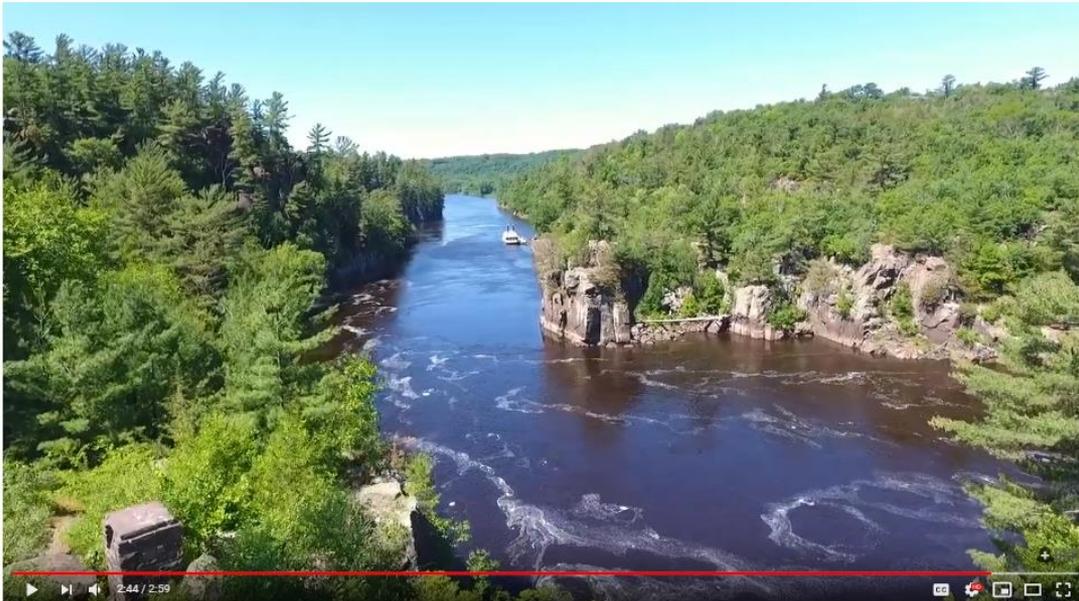
Katie Praedel
Air Monitoring Section Chief

Clean Air Month

- Air Program celebrates Clean Air Month in May
 - Celebrating clean air success and efforts of the program
- Highlights this year
 - Particle pollution video - <https://youtu.be/6Q4fWA0Am9M>
 - Air monitoring Facebook Live
 - Bike to Work Week and Commuter Challenge Kick-Off
 - WAMDAS website - <https://airquality.wi.gov/home/map>

Clean Air Month

- Video has been posted to DNR YouTube Channel and DNR website in the following locations:
 - Clean Air Month webpage:
<https://dnr.wi.gov/topic/airquality/cleanairmonth.html>
 - Air Quality homepage, under Education:
<https://dnr.wi.gov/topic/AirQuality/>



New Website - WAMDAS



Wisconsin Air Quality Monitoring Data

Interactive Maps Reports Information Forecast

Home > Interactive Maps

Air Quality Index

ALL

CO

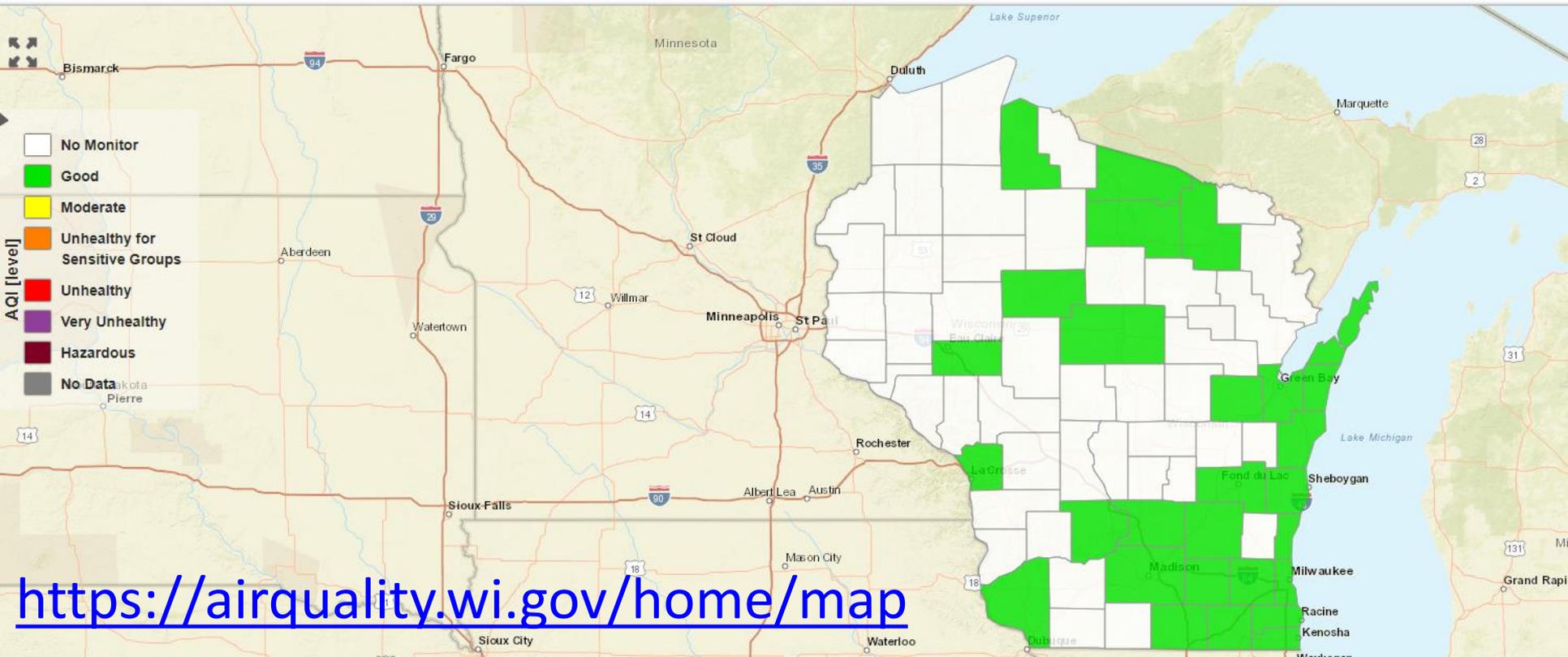
NO2

OZONE

PM10

PM2.5

SO2



<https://airquality.wi.gov/home/map>

Pre-Draft Permit Review

Kristin Hart

Permits and Stationary Source Modeling Section Chief

Pre-Draft Permit Review

A Pre-Draft permit review is when a draft of the *draft permit* is shared with the applicant prior to the public comment period

- A Pre-Draft permit review can help avoid errors and miscommunications between DNR and applicant
- After the review, a final *draft permit* is prepared and made available to the applicant and the public
- The Pre-Draft Permit document is a public record and is part of the permit file.
- Pre-Draft Permit is not currently posted electronically to the public website

Pre-Draft Permit Review

Changes to the Pre-Draft Review Process are proposed for transparency

- Proposed Changes:
 - Permit Applicant indicates whether it wants to review a Pre-Draft of the permit
 - If yes, Pre-Draft Permit will be uploaded and posted to DNR's public website and clearly named "*Pre-Draft*"
 - The applicant can review and provide feedback to the DNR

Pre-Draft Permit Review

Air pollution control Air permits - WARP Air Program - DNR EM - Home Google Google Maps TheWheelerReport Wis Stats EPA Small Business

Wisconsin Department of Natural Resources
Air Management Program

General Facility Information Facility Contacts DNR Air Contacts Permits and Permit Applications Emission Inventory Reports Industrial Monitoring Data [Search Again](#)

Permits and Permit Applications Show Inactive Permits

| Permit # | Type | App Received | App. Comp. | Public Notice | Decision* | Status | Permit Writer |
|-------------------------------------|------|--------------|------------|---------------|------------|--------|---------------|
| Select AM-04-06 | GOP | | | | | Active | -1 |
| Select AM-17-05 | GOP | | | | | Active | -1 |
| Select GCP-Crushers | GCP | | | | | Active | -1 |
| Select GCP-Printers | GCP | | | 12/08/2006 | 06/15/2007 | Active | -1 |
| Select GOP-Crushers | GOP | | | | | Active | -1 |
| Select GOP-HMA | GOP | | | | | Active | -1 |
| Select GOP-Printers | GOP | | | 12/08/2006 | 06/15/2007 | Active | -1 |
| Select OzoneHearing | GOP | | | | | Active | -1 |

*Note: "Decision" could mean permit issuance date, permit denial date, registration or general permit coverage granted date, exemption approval date, consent order issuance date, or administrative order issuance date. If "X" is shown here (instead of a date), it means the Department acknowledged the notice of intent to construct and/or operate certain air emission unit(s) but the Department does not intend to evaluate the exemption claim. Please click "Select" next to the permit # for details on the submittal and decision documents.

Select a Permit to see related Documents and Milestones.

| Permit Documents ROP-B01 | | Permit Milestones ROP-B01 | |
|--------------------------|--|---------------------------|---|
| Permit # | Document Name | Date | Milestone |
| Download | ROP-B01 RCPB01_ROPB01_Final_Permit.pdf | 06/29/2018 | Permit Type Changed |
| Download | ROP-B01 RCPB01_ROPB01_Findings_of_Fact.pdf | 06/29/2018 | Permit Type Changed |
| Download | ROP-B01 RCPB01_ROPB01_Response_to_Public Comments.pdf | 02/24/2016 | EPA Notified. Final documentation on the Web. (old 313) |
| Download | ROP-B01 RCPB01_ROPB01_Comments_from_Wisconsin Asphalt Pavement Association.pdf | 02/23/2016 | Permit Authority Issues Permit (old 29) |
| Download | ROP-B01 RCPB01_ROPB01_Comment_Anonymous.pdf | 08/27/2015 | Public Comment period ENDS |
| Download | ROP-B01 RCPB01ROPB01_Attachment_5.pdf | 08/20/2015 | Public Hearing to be Held |
| Download | ROP-B01 RCPB01ROPB01_Draft_Application_Form.pdf | 08/03/2015 | Proof of Publication Received (old 104) |
| Download | ROP-B01 RCPB01ROPB01_Draft_Permit.pdf | 07/28/2015 | Public Hearing Noticed |
| Download | ROP-B01 RCPB01ROPB01_Library_Letter.pdf | 07/28/2015 | Public Notice published - START of Public Comment Period (old 19) |
| Download | ROP-B01 RCPB01ROPB01_Library_Letter.pdf | 07/24/2015 | EPA Notified. Draft documentation on the Web. (old 113) |

Changes cont'd:

- After the pre-draft review, a final draft permit is posted, notice published on the public website as usual

- Feedback received during the pre-draft review period does not preclude additional comments from the permittee during the public comment period
- The Pre-draft permit will remain on the public website and as a permanent part of the permit file

2019 Meeting Dates

- Thursday, August 8, 2019
- Thursday, November 7, 2019