MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Air Quality Division Overview

ANNETTE SWITZER, AIR QUALITY DIVISION DIRECTOR

Mission

PROTECT MICHIGAN'S AIR

EGLE Ensures Michigan's Air Remains Clean By Regulating Sources Of Air Pollutants To Minimize Adverse Impact On Human Health & The Environment.

What We Regulate & What We Don't

Handled By EGLE's Air Quality Division

Industrial Sources of Air Pollution:

- Power Plants
- Auto Plants
- Paint Shops
- Foundries
- Steel Mills

Handled By Other Agencies or Local Governments

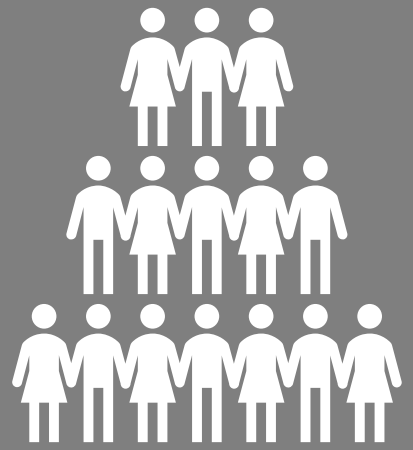
Other Sources of Air Pollution:

- Cars, Trucks & Planes
- Outdoor Wood Boilers
- Noise & Light Pollution
- Indoor Air Quality

Program Overview

Administration	Air Monitoring & Biowatch	Permitting	Compliance
Stack Testing	Emissions Reporting	Air Modeling & Meteorology	Toxics
Enforcement	Dry-cleaning	Asbestos	Air Quality Planning

Air Quality Division Staff



AQD STAFF (BY JOB TYPE)

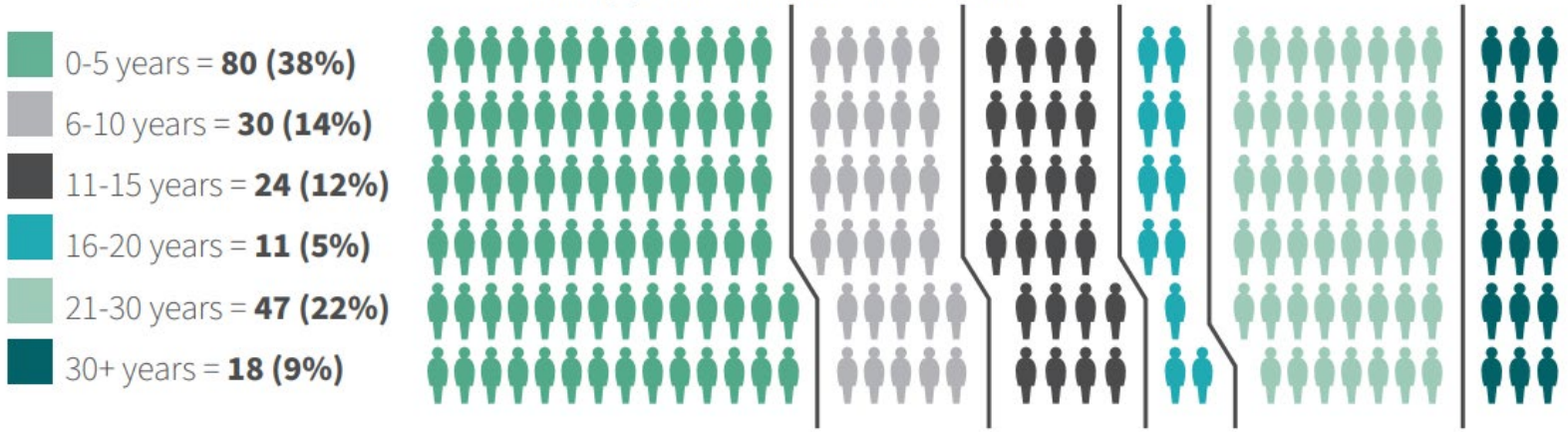
Non-title V:
80.3 employees

Title V:
68.8 employees

Monitoring, Strategy, Enforcement and Admin:
52.4 employees

Asbestos:
8.5 employees

Staff by years of service *(210 total)*



EGLE

Air Monitoring & Biowatch

- 45+ Monitoring Locations
- 160+ Air Monitors
- 13 Pollutant Categories
- 8 Meteorological Parameters
- Interactive GIS Map
- Grants: American Rescue Plan & Inflation Reduction Act
- Annual Air Monitoring Network Review
- Photochemical Assessment Monitoring Stations Or PAMS

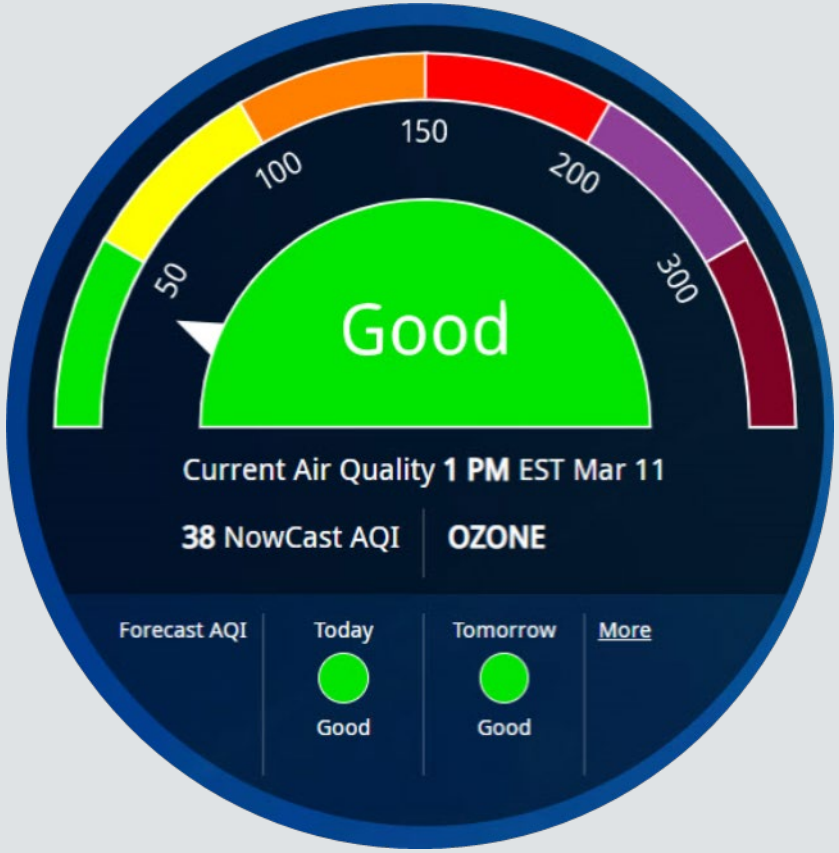
Air Modeling & Meteorology

Support Permit Work By Modeling Requested Emissions

Support Air Quality Planning By Modeling Pollutant Information

Forecast Air Quality Conditions & Call Action Day Alerts When Necessary

Michigan.gov/MiAir



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Air Permits

Permits To Install Staff Process Approximately 300 – 400 Applications Per Year

- Are Required For Sources Of Air Pollutants & Are Process-Specific
- All Processed Centrally Out Of Lansing
- Currently 23 Permit Engineers, 4 Supervisors, & 4 Support Staff

Title V/ Renewable Operating Permit Writers Complete 40 - 60 Per Year

- Are For Major (Large) Sources Of Air Pollutants
- Processed Through District Inspectors & The ROP Central Unit, with 5 Permit Writers
- Initial & Renewal Applications – Quantities Vary By Year

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Air Permit To Install

Processing Timelines Per Rule 206

- No Public Comment – 180 Days
- Public Comment – 240 Days

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Air Permit To Install

For Most Sources A Permit Is Required Prior To The Start Of Construction & Operation

Ensures That All Applicable State & Federal Rules & Regulations Are Met

As Appropriate Each Permit Includes:

- Emission Limits, Operational Parameters, Control Equipment Requirements, & Stack Parameters
- Record Keeping, Monitoring, Testing To Demonstrate Compliance On An On-going Basis

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Compliance & Enforcement

Conduct Inspections & Determine Compliance

- 865 Inspections

Respond To Complaints & Write Violation Notices

- 2,422 Complaints Received & Responded To
- 336 Violation Notices Issued

Work On Enforcement Cases

- 26 Enforcement Cases

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Technical Programs

Stack Testing

- Support Field Inspectors At Testing Events Required By Permits Or Rules
- Review & Approve Testing Plans

Dry Cleaning

- Two Inspectors For Entire State
- Inspect & License Dry Cleaners

Asbestos

- Newly Formed Asbestos Unit
- Legislation Supporting The Program
- Three New Staff Added This FY
- Over 11,700 Total Initial Notifications A Year
- Almost 2,000 Inspections Annually

Emissions Reporting

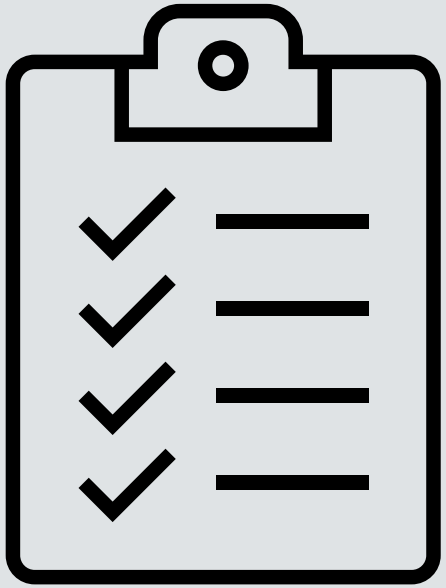
Collect Pollutant Information From A Subset Of Facilities

- 1,700 Emission Reports Received From Industry

Data Used To:

- Assess Air Quality Fees
- Track Air Pollution Trends
- Determine The Effectiveness Of Current Air Pollution Control Programs
- Helps Project Air Quality
- Track Source Compliance, Provide Information For Permit Review

Air Quality Planning



State Implementation Plan (SIP) Development

National & State Policy Development

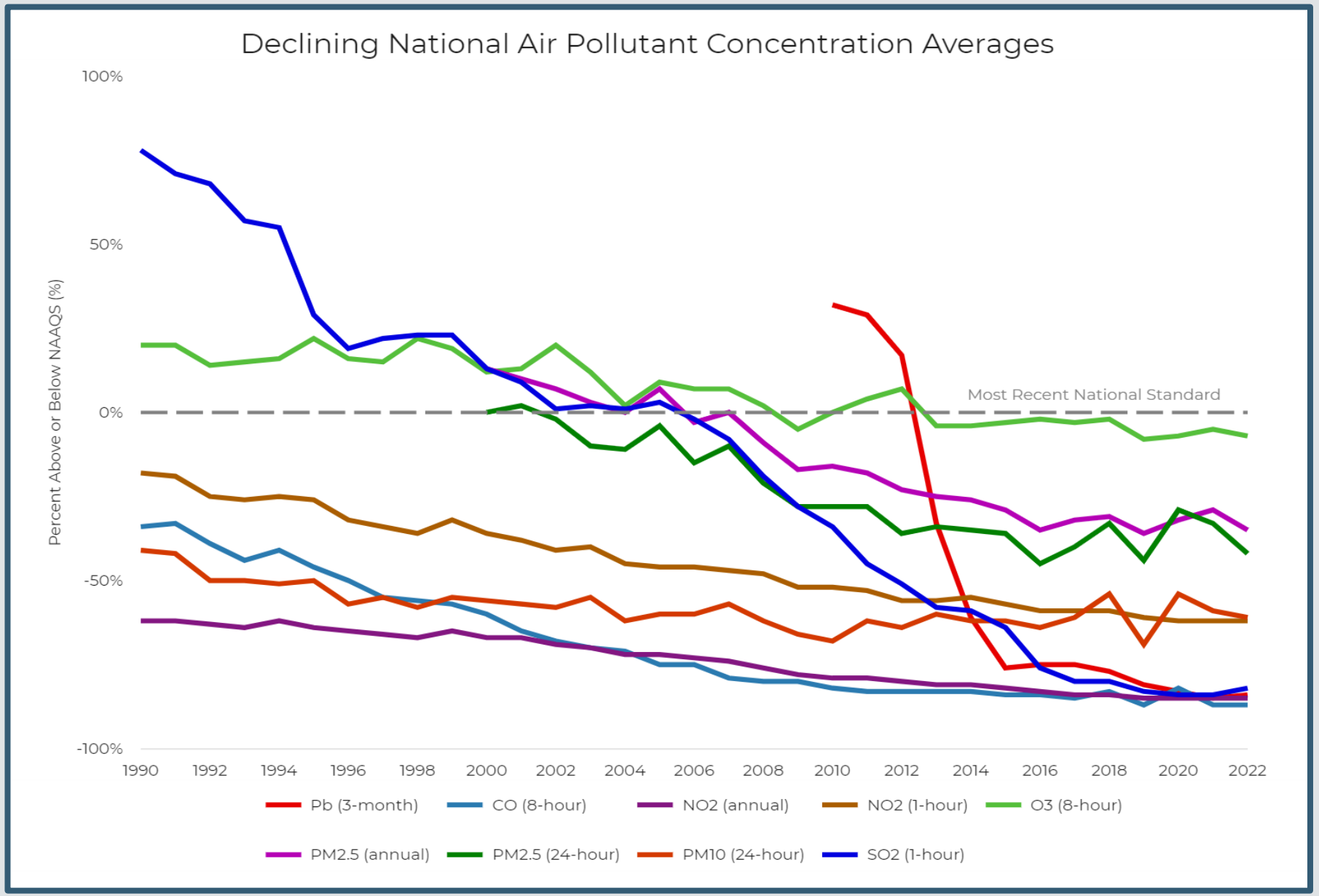
Development Of Rules & Regulations To Attain & Maintain The National Ambient Air Quality Standards (NAAQS)

Stationary Source Emissions Summation, Data Calculation & Emission Modeling

Support For Mobile Source Planning & NAAQS Transportation Conformity

Technical Evaluation & Support For Emissions Trading Programs

National Air Quality Trends



Year:	2022
Pb (3-month):	-84%
CO (8-hour):	-87%
NO2 (annual):	-85%
NO2 (1-hour):	-62%
O3 (8-hour):	-7%
PM2.5 (annual):	-35%
PM2.5 (24-hour):	-42%
PM10 (24-hour):	-61%
SO2 (1-hour):	-82%

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Reduces Time To Prepare, Submit, Review & Process Permits, Emission Reports & Compliance Information

Improves Data Retrieval & Transparency For The Public & Other Stakeholders

Utilized As A Central Reporting Website/Portal By The Regulated Community & By Other EGLE Business Areas

Includes Customized Control Measures For Improved Data Accuracy

IT Modernization - MiEnviro Portal

EGLE

Stakeholder Engagement

Air Advisory Council

Public Meetings & Hearings

Planning & Rules

Training/Outreach: Over 44,000 Email List Subscribers

Partnerships: CAPHE, AWMA, MMA, MAA, APAM & More

MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

THANK YOU