
Today's Pop Quiz – Air Quality

Lynn Fiedler

Assistant Division Chief, Air Quality Division

Michigan Department of Environmental Quality

Air Pollution & Everyday Life

Each Person Impacts Air Quality in our Everyday Activities. Most People Aren't Even Aware. Which of the Following Statement is Correct? There are:

- A. 10 Million Gas Cans in US; 8,000 Gals Spilled Yearly**
- B. 20 Million Gas Cans in US; 16,000 Gals Spilled Yearly**
- C. 40 Million Gas Cans in US; 35,000 Gals Spilled Yearly**
- D. 80 Million Gas Cans in US; 70,000 Gals Spilled Yearly**
- E. 160 Million Gas Cans in US; 150,000 Gals Spilled Yearly**

Regulatory Basis

In Michigan, Protection of the Air is Provided for by:

- ❑ **A. State Law**
- ❑ **B. Federal Law**
- ❑ **C. The Michigan Constitution**
- ❑ **D. State Law and Federal Law**
- ❑ **E. State Law, Federal Law, & the Michigan Constitution**

Department

Michigan's Air Program Began in the Late 1960s. How Many Different State Agencies Has it Been in During these 40+ Years?

- A. 1**
- B. 2**
- C. 3**
- D. 4**
- E. 5**

State Funding

Michigan has 9,900,000 Citizens. On Average, How Much Does Each Pay in State Taxes for Clean Air?

- A. \$8.42**
- B. \$4.28**
- C. \$2.48**
- D. \$0.84**
- E. \$0.42**

State of Michigan

2011 Has Been a Big Year for the Department of Environmental Quality, Air Quality Division. Which of the Following Did Not Occur?

- A. New Building & Conference Room Chairs**
- B. Reduction of 17% of AQD Staff**
- C. New Department**
- D. New Governor & New Director**
- E. New Federal Regulations**

The Michigan DEQ

Director Wyant's Goals for the Department Include:

- A. We will be Leaders in Environmental Stewardship
- B. We will be Partners in Economic Growth
- C. We will Provide Excellent Customer Service
- D. All of the Above
- E. None of the Above

Environmental Stewardship

Sulfur Dioxide

The New 1-Hour SO₂ Standard Became Effective on June 2010. Which of the Following is Untrue?

- ❑ **A. A State Implementation Plan (SIP) for Nonattainment Areas is Due End of 2013**
- ❑ **B. Actual Levels of SO₂ in the Air will be Used to Set Nonattainment Areas**
- ❑ **C. An Infrastructure SIP, Demonstrating Enforceable Emission Limits, Ambient Monitoring Program, Enforcement Program, Modeling Capabilities, & Adequate Personnel, Resources & Legal Authority, is Due Mid- 2013**
- ❑ **D. Dispersion Modeling of Allowed Emissions will be Used to Set Nonattainment Areas**
- ❑ **E. AQD Modeling Staff will Spend 1/3 of Their Time in 2012 Modeling More Than 75 Existing Sources of SO₂**

Cross-State Air Pollution Control Rule

The CSAPR Rule Provides Allocations to Each Facility. How Many States Have Areas Constrained by this New Requirement Posing Serious Risk for the Electrical System Reliability?

- A. 0**
- B. 6**
- C. 9**
- D. 12**
- E. 18**

CSAPR – Part 2

How Much of the Nation's Population is Covered by the States Included in CSAPR?

- A. 75%**
- B. 65%**
- C. 55%**
- D. 45%**
- E. 35%**

Ozone Standard – 0.075 ppm

How Many of Michigan's 84 Counties Will Be Designated as Non-Attainment Based Upon the 2008-2010 Monitoring Data?

- ❑ A. None
- ❑ B. 1 County (Allegan)
- ❑ C. 7 Counties in Metro Detroit
- ❑ D. B & C
- ❑ E. 41 Counties of Lower Mitten + Seney Wildlife Refuge in Schoolcraft County



Clean Diesel Grants

Clean Diesel Grants in Michigan have Provided Actual Reductions in Air Emissions and have Improved the Quality of Life for Many Citizens. Since 2008, Which of the Following has Occurred:

- A. \$9 million in Federal & State Grants Provided**
- B. 1788 Engines are now Cleaner Burning Engines Resulting in 50 Lifetime Tons of PM Reduced**
- C. 913 Engines are now Cleaner Burning Engines Resulting in 224 Lifetime Tons of NOx Reduced**
- D. A and B**
- E. A and C**

State RFP Out for \$775,000 – Closes on 11/16 at 5 PM EST

Clean Diesel Program (Part 2)

Since 2004, The Clean Diesel Program Also Helped Retrofit Over 1000 School Buses with Diesel Oxidation Catalysts & Other Retrofit Devices. How Many Public School Buses are There in Michigan?

- A. 18,000
- B. 32,000
- C. 9,000
- D. 54,000
- E. 11,238

Asbestos

The Asbestos NESHAP Regulates the Proper Removal & Disposal of Asbestos, Essential for the Protection of Public Health & the Environment. Notification of Demolition or Renovation is Required. In FY11, How Many Notifications Did Michigan's 1-Full Time & 4-½ Time Inspectors Handle?

- A. 500
- B. 1000
- C. 2000
- D. 4000
- E. 8000

Economic Development

Permits to Install

The Permit to Install Program Completed a Lean Processing Initiative in 2004. The Average Number of Calendar Days to Process was 167 Prior to the Event. What was the Average Number of Calendar Days Last Quarter?

- A. 167 Days
- B. 150 Days
- C. 120 Days
- D. 90 Days
- E. 60 Days

Permits to Install (Part 2)

Which of the Following Statements is Not True?

- ❑ **A. More Applications were Received in FY11 Than in FY10**
- ❑ **B. Number of Permit Engineers is the Same as in 1990**
- ❑ **C. At the End of October, 75% of the Applications Under Review were Received After August 1st**
- ❑ **D. Michigan has Issued a Permit with GHG Requirements**
- ❑ **E. The Permit to Install Fee Increase was Limited to 2%**

Customer Service

Title V Permitting

A Lean Process Improvement Project Was Undertaken in FY11. The Group Addressed Timing, Complexity & Communication. A Goal of 365 Calendar Days for Issuance was Established. In the Last Quarter, on Average, How Long Did it Take to Process a Renewal?

- A. 187 Days**
- B. 216 Days**
- C. 382 Days**
- D. 415 Days**
- E. 524 Days**

Title V Permitting

During the Lean Process Initiative, Data on the Title V Program, Staff Time, and Permitting was Collected. Overall, How Much Title V Staff Time is Spent on Permitting?

- A. 8%
- B. 15%
- C. 22%
- D. 28%
- E. 33%

Title V Fees

**Michigan's Fees were Increased in 2011.
What Else Occurred the Last Time the
Fees were Increased?**

- A. The Packers Won the Super Bowl**
- B. Brett Favre Retired**
- C. Chad Johnson Became Chad Ochocinco**
- D. The Detroit Lions were on Monday Night Football**
- E. The Big 10 Had Exactly 10 Schools**

Inspections

Michigan has 59 Inspectors in the Air Program. How Many Inspections were Completed in FY11?

- A. 1215**
- B. 1491**
- C. 1492**
- D. 1776**
- E. 1777**

Complaints

Those 59 Inspectors are also Responsible for Addressing Citizen Complaints. How Many Complaints were Received in FY11?

- A. 1206**
- B. 941**
- C. 709**
- D. 613**
- E. 541**

Title V – Greenhouse Gases (GHGs)

The Tailoring Rule Provides Additional Applicability Triggers for GHGs. Michigan is Revising the Title V Permitting Rules so Facilities can Obtain Their Permit From Michigan Rather than EPA. Currently, There are 380 Title V Permits.

How Many Additional Title V Permits are Expected due to GHGs?

- A. 827**
- B. 631**
- C. 380**
- D. 192**
- E. We Have No Idea**

Title V – GHGs (Part 2)

Which of the Following Facilities is Most Likely to Trigger Title V Permit Requirements for the First Time Because of Their Natural Gas Use?

- A. Office Building**
- B. Commercial Building**
- C. Metal Fabrication**
- D. Secondary Metal Production**
- E. Primary Metal Production**



General Information



Windy Cities

Chicago is Known as the Windy City. Which of the Following Cities has the Highest Average Wind Velocity (MPH)?

- A. Chicago**
- B. Detroit**
- C. Indianapolis**
- D. Madison**
- E. Minneapolis**

Questions

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517-373-7087