



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY





MISSION

To promote wise management of Michigan's air, land, and water resources to support a sustainable environment, healthy communities, and a vibrant economy.

DEQ STAFF ACHIEVES THE DEPARTMENT'S MISSION BY...

Reviewing and processing permit applications

Monitoring resources and inspecting regulated entities

Providing pollution prevention and compliance assistance

Promoting department programs and services

Meeting with stakeholder groups to get feedback about the regulatory process



15,000

annual inquiries in
the Environmental
Assistance Center

DEQ HELPS PROTECT:

20% of the worlds freshwater supply

1,226 public beaches

11,000 inland lakes

76,000 miles of rivers and streams

65,000,000 acres of wetlands



1,100 staff serving the
citizens of Michigan



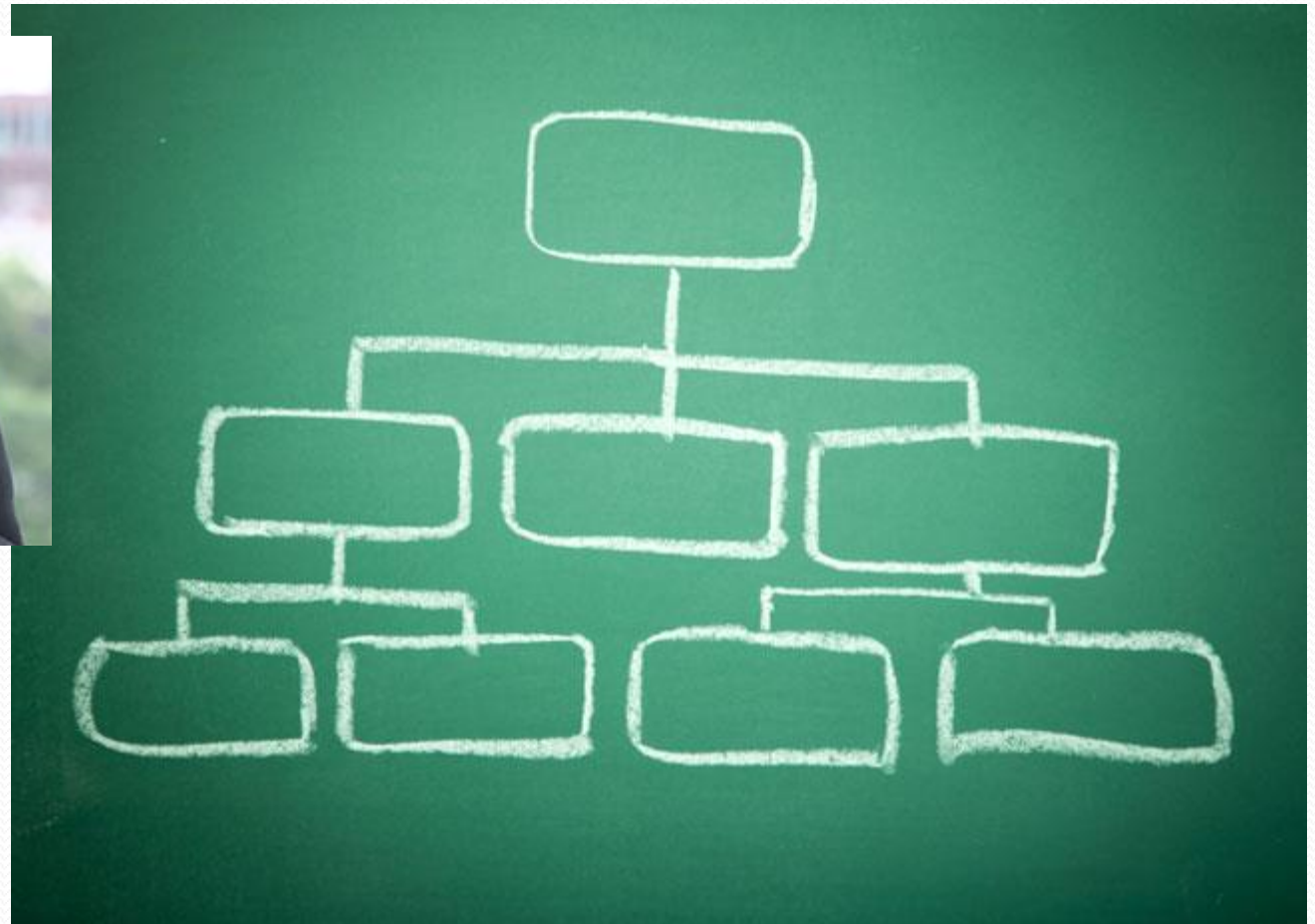
established district
and field offices



Current issues

- Lead & Copper rule amendments
- Part 201 rule changes
- Vapor intrusion
- Brownfield Funding
- Ozone – new National Ambient Air Quality Standard
- Sulfur Dioxide – non-attainment areas
- Asbestos and building demolitions
- Pipeline projects
- Governor's Recycling Initiative

Leadership Changes





Where is Michigan Today?

For more than half a century, we have not fully addressed the challenges facing our infrastructure systems. As a result, the problems we face today threaten our day-to-day quality of life.

**NEARLY
HALF-A-MILLION**
HOUSEHOLDS WITHOUT
ADVANCED BROADBAND



MANY OF MICHIGAN'S
1,390 COMMUNITY WATER
SYSTEMS WERE BUILT
50 TO 100
YEARS AGO



SINCE 2008, AN AVERAGE OF
5.7 BILLION GALLONS
OF UNTREATED SEWAGE
FLOWED INTO MICHIGAN'S
WATERWAYS ANNUALLY.



25%
OF BEACHES
EXPERIENCED CLOSURE
IN 2015



A SIX-MONTH
SHUTDOWN OF THE
500 LOCKS
WOULD RESULT IN
11 MILLION
JOBS LOST
NATIONWIDE



1,200
MICHIGAN
BRIDGES ARE
STRUCTURALLY
DEFICIENT

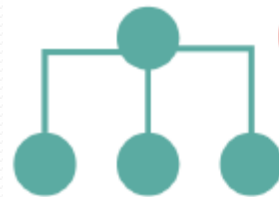


39%
OF ROADS
ARE IN
POOR
CONDITION

Integrated, Strategic, Sustainable, and Smart Infrastructure Solutions

To maintain Michigan's status as a global leader as we move through the 21st Century, we must look at infrastructure in an integrated and holistic way, find sustainable funding solutions, and prepare for emerging technologies.

**Asset
Management**



**Coordinated
Planning**

**Sustainable
Funding**





Pollution Prevention & Stewardship



Photo Credit: BOMA International

NAME

Pollution Prevention & Stewardship Unit
Waste and Radiological Protection Division

agenda

- Background Information
- What Does Sustainability Mean for Business
- What we do
- Other Opportunities with DEQ-P2SU

Background

Pollution Prevention and Stewardship Unit

Seeks to advance voluntary, multi-media environmental, social, and economic improvement using scientific, collaborative solutions to achieve a healthy, and sustainable environment.



Sustainability 101

- Merriam-Webster: involving methods that do not completely use up or destroy natural resources

Examples:

- Pollution Prevention
- Waste Minimization and Recycling
- Byproduct Synergy
- Best Management Practices
- New Technology Efficiencies
- Environmental Stewardship



Sustainability for Business

- **Triple Bottom Line - People, Planet, Profit**
 - Most holistic approach to sustainable business practices.
 - Goes beyond policies and into action
- **Benefits:**
 - Increased Productivity and Reduced Costs
 - Enhanced Brand and Increase Competitive Advantage [Natural Marketing Institute]
 - Increase Employee Retention and Recruitment [Adecco]
 - Improve Financial and Investment Opportunity [Goldman Sachs]
 - Ahead of New Environmental Regulations



What we do

- Partnership Programs
- Educational Events and Webinars
- Integrated Assessments
- Funding Opportunities



Michigan clean diesel program

- The Michigan Clean Diesel Program brings together government, industry, and nonprofit organizations to address diesel engine emissions and achieve improvements in the federal air quality standards for particulate matter and ozone.
- 2017 Clean Diesel Grant Opportunity
 - \$475,000 available for the replacement of old diesel vehicles and equipment with new diesel, electric or compressed natural gas vehicles and equipment.
 - The Request for Proposal (RFP) closes February 10, 2017.
 - A webinar to explain RFP requirements is on January 19, 2017.
- To learn more, go to: www.michigan.gov/deqcleandiesel

DEQ Stewardship Partner Program



- Michigan Business Pollution Prevention Partnership: Level One, Environmental Goal-Setting



- Clean Corporate Citizens: Level Two, Internal Foot-print; Functioning Environmental Management System, Pollution Prevention Program, Public Review



- Environmental Leaders: Top Level, External Footprint; Community Partnering, Mentoring, and Innovative Projects

Integrated Assessment Program

The assessment process will challenge your company to optimize the use of resources, minimize non-production related losses, and increase efficiencies across the board. We are committed to providing the technical assistance that your company needs to tackle these challenges.

Benefits include:

- Increased efficiencies and cost savings.
- Eliminate/minimize waste streams.
- Conservation of energy and water resources.
- Mitigating risks and the potential for noncompliance.

Sustainability Series

In partnership with our voluntary partners, to promote meaningful engagement with our current and future customers around the topic of business sustainability.

- February – Toxics Use Reduction
- March – Communications
- April – Circular Economy
- May – B-Corps
- June – Life Cycle Assessment/Life Cycle Inventory
- July – Sustainability Reporting/Metrics



Most Valuable Pollution Prevention Award 2016



Sustainability Series

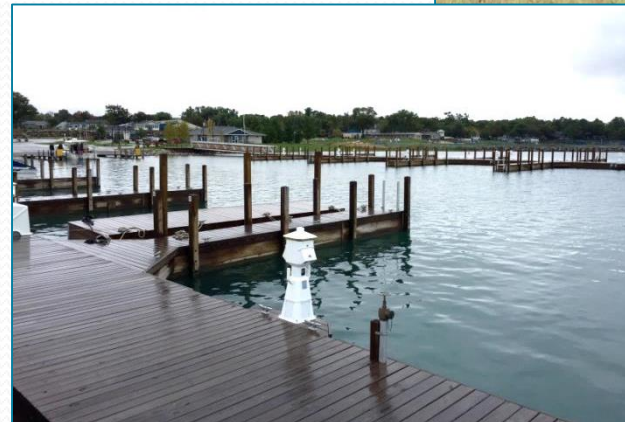
Building off of the successful DEQ Sustainability Series Webinars, MISCON has been designed to promote meaningful engagement with business professionals around the topic of sustainability.

- September 2017
- Detroit, MI



Other PARTNERSHIP opportunities

- **Neighborhood Environmental Partners Program**
- **Green Chemistry**
- **Turf Grass Stewardship**
- **Pollution Prevention Loan Program**
- **Pollution Prevention Week**
- **Healthcare Pollution Prevention**
- **Clean Diesel Initiative**
- **Green Communities**
- **Clean Marinas**



Questions?

Jeff Spencer

Pollution Prevent and Stewardship Unit

Waste Management and Radiological Protection
Division

Michigan Department of Environmental Quality

Phone: 517-284-6879

Email: Spencerj3@michigan.gov



www.michigan.gov/deqp2

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