



# Detailed Agenda



**MECC**

**2016 MICHIGAN  
ENVIRONMENTAL  
COMPLIANCE  
CONFERENCE**  
JUNE 21-22, 2016  
LANSING CENTER

## Tuesday June 21, 2016

**7:30 – 9:00 a.m. CONTINENTAL BREAKFAST AND REGISTRATION**

**9:00 – 9:30 a.m. INTRODUCTION AND WELCOME**

**9:30 – 10:00 a.m. VISIT EXHIBITORS**

**10:00 – 10:40 a.m. TRACK SESSIONS**

Basic Training

### **Introduction to the DEQ**

*Dave Fiedler, DEQ Regulatory Affairs Officer*

How much do you know about the DEQ? Learn about how the DEQ works, including where its regulatory authority comes from, the Divisions and Offices that oversee compliance, remediation, pollution prevention and more. You'll also learn some tips on how best to communicate with the DEQ and where to go for help.

Waste Management

### **Medical Waste Producing Facility Requirements**

*Andrew Shannon, DEQ OWMRP*

In this session attendees will learn what a medical waste is, what a medical waste producing facility is, and how medical waste must be handled and disposed, including trends in medical waste generation and disposal and new program initiatives for ensuring proper management and public health protection.

Water Quality

### **National Pollutant Discharge Elimination System (NPDES) Compliance**

*Chris Veldkamp, DEQ WRD*

Learn about the NPDES permit (wastewater discharge) program, elements of an inspection, and compliance tips.

Air Quality

### **Air Dispersion Modeling**

*Jim Haywood, DEQ AQD*

DEQ Meteorologist, Jim Haywood, will detail how Air Dispersion Modeling is conducted in Michigan in relation to the Air Quality Permit process. When is modeling required? What do the results tell you? Will the AQD conduct modeling for me or do I need to do this myself?

Remediation/  
Redevelopment

### **Incremental Sampling**

*John Bradley and Alisa Lindsay, DEQ RRD*

Incremental Sampling (IS) is an emerging sampling protocol being used more and more throughout Michigan for evaluating environmental risk exposure. IS is the tool to use to guide our risk management decisions with the most confidence as we evaluate risk by design. This presentation will use case studies to focus on “how” and “why” IS makes the risk manager’s decision’s easier. We’ll discuss the nature of contaminant distribution, and how IS can be used to better evaluate and understand the site specific risks associated with that distribution. The presentation will also cover the EPA Data Quality Objective (DQO) process, the sources of error that are the most problematic to the decision maker, and how the DQO and IS work together to minimize those errors so that better decisions can be made. *(This session will be repeated on Wednesday at 1:50 p.m.)*



Policy Update

**Air Quality - Program and Policy Update***Lynn Fiedler, DEQ AQD*

Lynn Fiedler, Chief of the DEQ's Air Quality Division, will provide an update on Michigan's air quality program, regulations, and policies.

10:40 – 10:55 a.m.

**BREAK (15 Min)**

10:55 – 11:35 a.m.

**TRACK SESSIONS**

Basic Training

**Air Quality Regulations 101***Nathan Hude, DEQ AQD*

If you are new to air rules and regulations, then you should attend this session. Attending this session will give you an idea of how the Clean Air Act has influenced Michigan Air Rules and Regulations. You will learn about the who, what, where, when and how air is regulated in Michigan. *(This session will be repeated on Wednesday at 9:00 a.m.)*

Waste Management

**Sorting Recycling Facts from Fiction to Optimize Your Recycling Program***Emily Freeman, DEQ OWMRP*

Why does it cost money to recycle? What are the impacts of putting the wrong items in the recycling bin? What should you know about contracting with a recycling provider? Staff from the DEQ Recycling Program will answer common recycling questions and discuss issues to consider when starting or enhancing a recycling program in your community, business, or institution.

Water Quality

**Chemically Treating Your Water Supply; Regulatory Considerations, Carrie Monosmith, DEQ ODWMA**

In recent years, the DEQ has become aware of several facilities that receive treated drinking water from a public water supply, have installed their own treatment equipment and are injecting treatment chemicals into their internal drinking water plumbing system to provide additional public health protection within their facility. Most often, these facilities are adding disinfection chemicals to control growth of *Legionella* or corrosion control chemicals to reduce lead and copper. These facilities, referred to as those that provide *secondary treatment*, meet the definition of a public water supply as described in the federal Safe Drinking Water Act, and the Michigan Safe Drinking Water Act, Act 399 of 1976. This session will describe the current regulatory status of these facilities in Michigan and across the country.

Air Quality

**What's New in National Ambient Air Quality Standards***Tracey McDonald and Cindy Hodges, DEQ AQD*

Staff from the Air Quality Division will discuss criteria pollutant monitoring trends, as well as the current status and upcoming changes in the National Ambient Air Quality Standards

Remediation/  
Redevelopment**Brownfield Redevelopment Incentives***Jeff Hukill, DEQ RRD*

The DEQ facilitates the redevelopment of contaminated properties by providing Brownfield redevelopment incentives to communities. This session will discuss those incentives, including brownfield redevelopment grants/loans and Act 381 Tax Increment Financing. *(This session will be repeated on Wednesday at 10:50 a.m.)*

Policy Update

**Remediation and Redevelopment - Program and Policy Update***Bob Wagner, Chief, DEQ RRD*

Who is the Remediation and Redevelopment Division (RRD) and what programs do they administer? One of the many things that the RRD does is assists buyers with purchasing, managing and safely reusing contaminated property. Learn how public funding may also be available for addressing risks at contaminated property in this session.



11:35 a.m. – 1:00 p.m.	<b>LUNCH (85 Min) Visit DEQ Expert Tables and Exhibitors</b>
1:00 – 1:40 p.m.	<b>TRACK SESSIONS</b>
Basic Training	<p><b>Waste Regulations 101</b>  <i>Jim Ferritto, DEQ OWMRP</i>                      In this session attendees will learn the basics about the various types of waste, what regulations apply, to whom and who implements the enforcement program. Attendees will come away with a big picture perspective of how the waste regulations work and what common wastes fall into the various regulations out there, including those that overlap. <i>(This session will be repeated on Wednesday at 2:40 p.m.)</i></p>
Waste Management	<p><b>Overview of Beneficial Use By-products, Inert Materials, and Low-Hazard Industrial Waste Under the Solid Waste Regulations</b>  <i>Duane Roskoskey, DEQ OWMRP</i>                      In this session, attendees will learn about the different types of beneficial use byproducts, how they can be used, the process for obtaining approval for a beneficial use, and who to contact for assistance in determining options for use of a beneficial use byproduct. Attendees will also learn about what is considered an inert material, how to get a low hazard industrial waste designation and the benefits derived from such a designation.</p>
Water Quality	<p><b>Source Water Protection</b>  <i>Jason Berndt, DEQ ODWMA</i>                      This session will provide information on how community water systems can obtain funding for the development and implementation of source water protection activities in their community. Learn how to obtain your delineated source water area developed by the Michigan Groundwater Management Tool.</p>
Air Quality	<p><b>Title V Permits: What you need to know about the Renewable Operating Permit (ROP) Process</b>  <i>Janis Ransom and Heidi Hollenbach, DEQ AQD</i>                      If you are going to be involved in completing an initial ROP application or renewing an existing ROP, you will want to attend this session. In this session you will learn about the ROP Process, including what happens before your application is submitted, the pre-application meeting, where to find the application forms, and what you should know before filling them out. This session will leave you ready for a successful application experience.</p>
Remediation/ Redevelopment	<p><b>Overview of the New Cleanup Criteria</b>  <i>Sara Pearson, DEQ RRD</i>                      A comprehensive update to Michigan’s generic cleanup criteria that are used for evaluating risk at properties with environmental contamination has been completed. The comprehensive update is included in a proposed rule package for promulgation under Michigan’s environmental remediation program. This update will provide an overview of the proposed rules, new processes for criteria calculation, and the rule promulgation process. <i>(This session will be repeated on Wednesday at 3:30 p.m.)</i></p>
Policy Update	<p><b>Oil, Gas, Minerals, Mining - Program and Policy Update</b>  <i>Adam Wygant, Assistant Chief, DEQ OOGM</i>                      An update on Michigan's oil, gas, and mining activities as well as any program and policy changes.</p>
1:40 – 1:55 p.m.	<b>BREAK (15 Min)</b>



1:55 – 2:35 p.m.

**TRACK SESSIONS**

Basic Training

**Drinking Water 101, Carrie Monosmith, ODWMA**

In Michigan, there are approximately 10,800 regulated public water supplies. What is a public water supply? Why are they regulated? What requirements must they meet? Who is responsible for regulating public water supplies in Michigan? Attendees will learn the answers to these questions and more at this introductory overview.

Waste Management

**Overview of the Liquid Industrial By-products Statutory Amendments**

*Jeanette Noechel, DEQ OWMRP*

This session will provide attendees with an overview of the Part 121, Liquid Industrial By-product statutory changes and other conforming statutory amendments enacted under Acts 224, 225, and 226 of 2015, that became effective in March 2016. This session will cover the general management standards that apply to properly handling and disposing of wastes types like antifreeze, food processing wastewaters, used oil, conditionally exempt small quantity generator hazardous waste liquids, cleaning or power washing wastewaters. This session covers the new management standards that apply to any non-hazardous liquid waste generated from a commercial, industrial, municipal, for profit or non-profit operation that cannot be disposed down the drain to the local waste water treatment plant, disposed of via a surface water (NPDES permit) or via a groundwater permit.

Water Quality

**Industrial Pretreatment Program (IPP)**

*Jodi Peace, DEQ WRD*

This session will provide an overview of the IPP and what to expect if your facility discharges process wastewater to a municipal wastewater treatment plant.

Air Quality

**Title V Permits: ROP Deviation Reporting and Annual/Semi-annual Certifications**

*Janis Ransom and Heidi Hollenbach, DEQ AQD*

*Deviation reporting associated with your Renewable Operating Permit can be a challenge to do completely and correctly. AQD staff will go over in detail the correct way to submit the report as well as what should be included to indicate your compliance status.*

Remediation/  
Redevelopment

**Baseline Environmental Assessments and How to Meet Due Care Obligations**

*Jeanne Schlaufman, DEQ RRD*

Baseline Environmental Assessments (BEAs) can provide a new or prospective owner or operator of contaminated property with an exemption to liability for the contamination in soil, groundwater or vapor that exists on the property at time they become the owner or operator. This session will briefly cover what a BEA is, what the requirements are, and the time frames for completion and submittal.

Compliance with Sections 20107a and 21304c – commonly referred to as “due care”. The obligations are not related to the owner or operator’s liability for the contamination. They apply to liable and non-liable parties. This session will briefly cover the requirements, pertinent information, and how a party might meet their obligations.

Policy Update

**Water Resources - Program and Policy Update**

*Mike Masterson, DEQ WRD*

The Water Resources Division handles over 8000 permits and service requests annually, for wastewater discharges (NPDES and groundwater); stormwater; combined sewer overflows; dredge and fill for wetlands, lakes, and streams; Great Lakes shoreline and bottomland protection; and water withdrawals. They also handle the compliance and inspections for these permits and unpermitted violations. Much happens in the Division every year. This talk is a summary of the workings and changes in this large and busy division.

2:35 – 2:50 p.m.

**BREAK (15 Min)**

2:50 – 4:00 p.m.

## TRACK SESSIONS

Basic Training

**MiWaters 101: What it is, what it does, and how to get started***Melissa Sandborn, DEQ WRD*

MiWaters is a comprehensive, Web-based permitting and compliance database that replaces over 25 water resource related applications and databases. Attendees will be introduced to the MiWaters system and will be exposed to common steps related to getting started with MiWaters, including setting up an account, finding applications, submitting applications and other required documents, and other basic user information.

Waste Management

**Scrap Tire, E-waste, and Recycling Reporting***Steve Noble, DEQ OWMRP*

This session will provide an overview and demonstration of the new solid waste and recycling data system being deployed to assist with connecting those generating recyclable materials with those who collect and recycle the recyclables into raw materials for use in manufacture. This session will also provide an overview of the DEQ scrap tire recycling grant program and new markets for using scrap tires in manufacture.

Water Quality

**On-site Wastewater Treatment and Disposal, AKA – Decentralized Wastewater Management***Dave Cotton, DEQ ODWMA, and Rick Rusz, DEQ WRD*

A discussion of decentralized wastewater management and how we permit discharges to the groundwater in the State of Michigan. Additionally, a brief history of the handling of wastewater, what's in our wastewater as well as how we treat and disperse it onsite.

Air Quality

**Potential to Emit (PTE): How to calculate and why it's important***CJ Asselin, DEQ AQD*

PTE is one of the most confusing parts of Air Quality rules and regulations. AQD staff will speak about PTE and how it relates to the permitting process. How often should you be completing a PTE demonstration? Once the demonstration is complete, what is it telling you? What are AQDs expectations in relation to PTE and specific pollutants?

Remediation/  
Redevelopment**Vapor Intrusion Update***Matt Williams, DEQ RRD*

Volatilization of contaminants to indoor air is a growing concern across the nation as advances are made in the assessment of exposure and associated risks. Michigan is proposing a new tiered approach for evaluating this pathway and identifying risks as part of the proposed revisions to the Environmental Contamination Response Activity Rules. This discussion will provide an overview of the proposed approach and describe the options available for evaluating contaminants volatilizing to indoor air.

Policy Update

**Waste Management and Radiological Protection - Program and Policy Update***Steve Sliver, DEQ OWMRP, and Jack Schinderle, DEQ OEA*

Steve Sliver, Acting Chief of the DEQ's Office of Waste Management and Radiological Protection, will provide an update on waste management activities as well as any program or policy changes. In addition, Jack Schinderle, Chief of the DEQ's Office of Environmental Assistance will provide an update on pollution prevention, sustainability, and compliance assistance initiatives that are coordinated through OEA.

4:00 – 6:00 p.m.

## ASSISTANCE RECEPTION

- Welcome by DEQ Director
- Refreshments
- One-on-one assistance with DEQ and MIOSHA Staff
- Meet and greet with Exhibitors
- Exhibitor Demos
- MI Waters Demos and Assistance
- Expert Area Open



# Wednesday

June 22, 2016

8:00 – 9:00 a.m.

**CONTINENTAL BREAKFAST AND REGISTRATION**

9:00 – 9:40 a.m.

**TRACK SESSIONS**

Basic Training

**Air Quality Regulations 101**

*Nathan Hude, DEQ AQD*

If you are new to air rules and regulations, then you should attend this session. Attending this session will give you an idea of how the Clean Air Act has influenced Michigan Air Rules and Regulations. You will learn about the who, what, where, when and how air is regulated in Michigan. *(Repeat of session offered on Tuesday at 10:55 a.m.)*

Waste Management

**Basic Waste Characterization & Hazardous Waste Generator Status**

*Jenny Bennett, DEQ OWMRP*

This session will provide attendees with the basic steps for determining if a waste is a hazardous waste, liquid industrial by-product, or non-hazardous solid waste and how to calculate your site's hazardous waste generator status.

Water Quality

**MiWaters: Topics for the Experienced User, Sarah Ehinger, DEQ WRD**

Attendees will be introduced to more advanced concepts and functions in MiWaters. As time permits, the following topics will be covered: revising applications and submittals, Site Explorer, user roles, financials, DMRs, etc.

Emergency Planning  
and Response

**Emergency Planning for Michigan Communities LEPC and Fire Departments,**

*Jay Eickholt, Michigan State Police*

This session will discuss the role of Local Emergency Planning Committees and Fire Departments in developing Community Emergency Management Plans for the State of Michigan.

Remediation/  
Redevelopment

**Introduction to the Michigan Underground Storage Tank Authority (MUSTA)**

*Bob Reisner, DEQ Administration*

The Michigan Underground Storage Tank Authority (MUSTA) and the Underground Storage Tank Cleanup Fund (Fund) were created on December 30, 2014 by amendments to Part 215, Underground Storage Tank Corrective Action Funding, of Act 451. The Fund was created to provide a mechanism that petroleum underground storage tank (UST) owners and operators may use to meet their federal financial responsibility requirement (FR) and to provide reimbursement for corrective action costs for certain releases from USTs. MUSTA Administrator Bob Reisner will provide an overview as to the organization of MUSTA and information on submitting claims, performing work, invoicing, and payments. You are encouraged to come with questions.

Administrative,  
Health, and Safety

**Accessing DEQ Documents – Online and through FOIA**

*Leigh Copen, DEQ OEA*

This session will provide a quick overview of how to request documents from the different divisions of the DEQ through the Freedom of Information Act (FOIA) process.

9:40 – 9:55 a.m.

**BREAK (15 Min)**



9:55 – 10:35 a.m.

## TRACK SESSIONS

Basic Training

**Preparing for an Air Quality Inspection***Jenifer Dixon, DEQ OEA*

This session discusses what happens when the inspector knocks on your door. What are your responsibilities? What might your inspector want to look? What should you have ready to show your inspector? And most importantly, what happens next? If you want to be prepared for your next AQD inspection, this would be a good session for you.

Waste Management

**Hazardous Waste Generator Accumulation, Storage, and Labeling Requirements***Trisha Confer, DEQ OWMRP*

This session provide generators of hazardous waste, liquid industrial by-product and universal waste with an overview of the accumulation, storage and labeling, requirements that apply to the management of those materials at conditionally exempt small quantity generators, small quantity generators and large quantity generators of hazardous waste.

Water Quality

**Storm Water Pollution Prevent Plan (SWPPP)***Keith Noble, DEQ WRD*

Find out how to develop a comprehensive plan for any industrial or municipal facility to control stormwater in compliance with NPDES stormwater permits. Also learn what to expect when DEQ stormwater program staff show up at your facility for an inspection.

Emergency Planning  
and Response**Emergency Planning for Facilities – Is your Facility Prepared for an Environmental Emergency?***F/Lt. Jen Wolf, DNR, Law Enforcement Division, and Mark Ducharme, DEQ RRD*

The presentation will discuss real life examples, tips and step by step strategies to prepare a facility for an environmental emergency.

Remediation/  
Redevelopment**Baseline Environmental Assessments and How to Meet Due Care Obligations***Jeanne Schlaufman, DEQ RRD*

Baseline Environmental Assessments can provide a new or prospective owner or operator of contaminated property with an exemption to liability for the contamination in soil, groundwater or vapor that exists on the property at time they become the owner or operator. This session will briefly cover what a BEA is, what the requirements are, and the time frames for completion and submittal.

Compliance with Sections 20107a and 21304c – commonly referred to as “due care”. The obligations are not related to the owner or operator’s liability for the contamination. They apply to liable and non-liable parties. This session will briefly cover the requirements, pertinent information, and how a party might meet their obligations. *(Repeat of session offered on Tuesday at 1:55 p.m.)*

Administrative,  
Health, and Safety**When MIOSHA Enforcement Visits***Karen Odell, MIOSHA CET*

Attendees will be provided an overview of the process and procedures a MIOSHA compliance officer follows while conducting a workplace inspection and how to respond to MIOSHA citations. Topics covered include inspection types, employer/employee rights and responsibilities, and penalty reduction factors. This program will assist students in preparing for an inspection. (This session will be repeated at 1:50 p.m.)

10:35 – 10:50 a.m.

**BREAK (15 Min)**



<b>10:50 – 11:30 a.m.</b>	<b>TRACK SESSIONS</b>
Basic Training	<b>Wastewater/Stormwater 101 (pipes, pumps, puddles, ponds, and permits)</b> <i>Dave Drullinger, DEQ OEA</i> This session will provided attendees with basic guidance about what are "wastewaters" and what discharges (including stormwater runoff) need permits. We will cover a variety of permits and how they are designed to protect our surface waters and groundwater.
Waste Management	<b>Hazardous Waste Generator Inspections and Recordkeeping Requirements</b> <i>Jenny Bennett, DEQ OWMRP</i> This session will provide attendees with information about what to expect for an inspection and the specific records and inspector will want to see. It will cover records that need to be maintained (e.g. waste characterizations, monthly waste inventory, uniform manifests, land disposal restriction notifications, etc.) and provide an overview of what happens when an inspector comes to your facility.
Water Quality	<b>MiWaters – Finding Data Using Site Explorer</b> <i>Chad Fizzell, DEQ WRD</i> The Water Resources Division's new MiWaters permitting and records database offers a GIS-based search tool, the Site Map Explorer. It can be accessed easily by anyone online to find over 300,000 sites across Michigan where the DEQ has public records on past and present permits, permit applications, permit violations, permit denials, complaints, biosolids application sites, and more.
Emergency Planning and Response	<b>The DEQ Emergency Management Staff – Helping you Prepare and Respond to Environmental Emergencies</b> <i>Mark Ducharme, DEQ RRD</i> (Session description coming soon)
Remediation/ Redevelopment	<b>Brownfield Redevelopment Incentives</b> <i>Jeff Hukill, DEQ RRD</i> The DEQ facilitates the redevelopment of contaminated properties by providing Brownfield redevelopment incentives to communities. This session will discuss those incentives, including brownfield redevelopment grants/loans and Act 381 Tax Increment Financing. <i>(Repeat of session offered on Tuesday at 10:55 a.m.)</i>
Administrative, Health, and Safety	<b>Water and Wastewater Asset Management</b> <i>Mark Conradi, DEQ ODWMA</i> The DEQ will provide, in an informational and Q&A format, an explanation of the various asset management initiatives within the Department, recent updates to those initiatives and demonstrate a working tool that can be used to satisfy DEQ requirements pertaining to asset management.
<b>11:30 a.m. – 1:00 p.m.</b>	<b>LUNCH (90 Min) Visit DEQ Expert Tables and Exhibitors</b>



1:00 – 1:40 p.m.

## TRACK SESSIONS

Basic Training

**Air Permitting Overview: Do I Need and Air Permit?***Dan Schwanik, DEQ AQD*

This session will discuss the Air Quality Division's (AQD) PTI program. Are you interested in learning more about what processes may need a permit, the PTI application process as well as how Michigan's AQD PTI program works. If you have ever applied for an air permit, or think you may have to, then this session would be of interest to you.

Waste Management

**Overview of the Used Oil Regulations***Trisha Confer, DEQ OWMRP*

This session will get into more depth about how used oil is unique and characterized slightly differently than other wastes due to it historically being common to mixing other toxic solvents with the used oil. It will discuss the management standards that apply to managing used oil, how to find recycling options, and the basic waste requirements for handling used oil.

Water Quality

**Part 5 Rules: Spillage of Oil and Polluting Materials Overview and Updates***Matt Goddard, DEQ WRD*

Part 5 Rules regulate the storage of oil, salt, and other polluting materials (such as chemicals) under the Natural Resources and Environmental Protection Act, Part 31. This presentation will help you determine if your facility is subject to the rules, and what actions are needed to maintain compliance, including secondary containment structures and development of a Pollution Incident Prevention Plan (PIPP).

Emergency Planning  
and Response**U.S. EPA Emergency Response Capabilities Overview and Hazardous Substance  
Emergency Response Case Studies***Betsy Nightingale, U.S. EPA*

This session will provide an overview of U.S. EPA emergency response capabilities and then go through U.S. EPA's hazardous substance emergency response case studies.

Remediation/  
Redevelopment**Road Right-of-Way Restrictions for Contaminated Areas***Kevin Schrems, DEQ RRD*

Senate Bill 717, introduced in January 2016, proposes to amend Part 213, Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act. The bill includes changes that deal with institutional controls to manage contamination left in place within a public road right-of way as a result of a release from an underground storage tank system. This presentation will cover the current process and the significant amendments to Part 213, including the impacts to Owners and Operators, the State and local units of governments, and how illicit discharges to MS4 systems are affected.

Administrative,  
Health, and Safety**Revolving Loans and other DEQ Grant and Loan Opportunities***Karol Patton, DEQ ODWMA, and Amy Peterson, DEQ WRD*

The DEQ offers many types of grants and loans to help fund a variety of municipal projects and business pollution prevention activities. This session provides an overview of the financial assistance opportunities available through the DEQ's grants and programs.

1:40 – 1:50 p.m.

**BREAK (10 Min)**

1:50 – 2:30 p.m.

## TRACK SESSIONS

Basic Training

**SARA Title III Overview***Mike Young, DEQ OEA*

SARA Title III establishes requirements for Federal, State and local governments, Indian Tribes, and industry regarding emergency planning and Community Right-to-Know reporting on hazardous and toxic chemicals. The Community Right-to-Know provisions help increase the public's knowledge and access to information on chemicals at individual facilities, their uses, and releases into the environment. States and communities, working with facilities, can use the information to improve chemical safety and protect public health and the environment. This session will provide an overview of the SARA Title II Program in Michigan and highlight Tier II Reporting requirements.

Waste Management

**Overview of the Universal Waste Regulations***Reed Sneller, DEQ OWMRP*

This session will provide more detail on how universal waste is to be handled, with additional emphasis on how pharmaceuticals are presently regulated and proposed federal regulations for handling hazardous waste pharmaceuticals.

Water Quality

**Conducting Industrial Storm Water Visual Assessments***Keith Noble, DEQ WRD*

Conducting visual assessments of storm water discharges from areas of industrial activity is a permit requirement for facilities in Michigan with industrial storm water permit coverage. Water Resources Division staff will discuss the development of the written procedures for conducting the visual assessment, sample collection of the storm water discharge, and the visual assessment of the storm water sample.

Emergency Planning  
and Response**Introduction to Spill Prevention, Control, and Countermeasure (SPCC) Plans***Jaime Julian, U.S. EPA*

Facilities that store oil onsite may be required to create an SPCC to help prevent oil discharges from reaching navigable waters and shorelines. This session will provide an overview of what types of facilities are subject to this planning requirement and what is required in the plans.

Remediation/  
Redevelopment**Incremental Sampling***John Bradley and Alisa Lindsay, DEQ RRD*

Incremental Sampling (IS) is an emerging sampling protocol being used more and more throughout Michigan for evaluating environmental risk exposure. IS is the tool that we can use to guide our risk management decisions with the most confidence as we evaluate risk by design. This presentation will use case studies to focus on “how” and “why” IS makes the risk manager’s decision’s easier. We’ll talk about the nature of contaminant distribution, and how IS can be used to better evaluate and understand the site specific risks associated with that distribution. The presentation will also cover the EPA Data Quality Objective (DQO) process, the sources of error that are the most problematic to the decision maker, and how the DQO and IS work together to minimize those errors so that better decisions can be made. *(Repeat of session offered Tuesday at 10:00 a.m.)*

Administrative,  
Health, and Safety**When MIOSHA Enforcement Visits***Karen Odell, MIOSHA CET*

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2:30 – 2:40 p.m.	<b>BREAK (10 Min)</b>
2:40 – 3:20 p.m.	<b>TRACK SESSIONS</b>
Basic Training	<p><b>Waste Regulations 101</b>  <i>Jim Ferrito, DEQ OWMRP</i></p> <p>In this session attendees will learn the basics about the various types of waste, what regulations apply, to whom and who implements the enforcement program. Attendees will come away with a big picture perspective of how the waste regulations work and what common wastes fall into the various regulations out there, including those that overlap.</p>
Waste Management	<p><b>Overview of the Transporter Permitting and Registration Regulations</b>  <i>Jeanette Noechel, DEQ OWMRP</i></p> <p>This session will provide an overview of the transporter permitting and registration program under Act 138, the various forms that must be completed, general fees for transporter authorization, exemptions and insurance and spill obligations.</p>
Water Quality	<p><b>Michigan's Water Withdrawal Regulations: Flint to Waukesha, Fracking to Bottled Water</b>  <i>Andy LeBaron, DEQ WRD</i></p> <p>This is an important topic for anyone who pumps water from the ground or from a surface water body for commercial or agricultural purposes. From the federal ban on large-scale diversions of water to areas outside the Great Lakes basin, down to the siting of an irrigation well from one side of a farm to the other, the Great Lakes Compact impacts the management of water in the Great Lakes basin. Michigan's Part 327 water withdrawal regulations put the principles of the Great Lakes Compact into action, and govern water withdrawals in Michigan. This session will explain the regulations and how they pertain to common water use activities, as well as provide some history and the landmark cases that led to this point.</p>
Emergency Planning and Response	<p><b>Field Methods for Differentiating Between Naturally Occurring Substances and Oil and U.S. EPA Oil Emergency Response Case Study</b>  <i>Kim Churchill, U.S. EPA</i></p> <p>This session will go over the US EPA's oil emergency response case study (Wade Road Oil Spill), and then present "Field Methods for Differentiating Between Naturally Occurring Substances and Oil."</p>
Remediation/ Redevelopment	<p><b>Conceptual Site Models</b>  <i>Abigail Hendershott, DEQ RRD</i></p> <p>Conceptual Site Models are key to helping inform all parties of the conditions at sites of environmental contamination. They provide a means for sharing information so that all parties have the same understanding of where contaminants may exist, where they may be migrating, and what risks they pose. This discussion will provide a case study example of a conceptual site model for contaminants volatilizing to indoor air in an urban area and show how the proposed generic cleanup criteria are used in the evaluation.</p>
Administrative, Health, and Safety	<p><b>Overview of the Hazardous Rulemaking Process</b>  <i>Ronda Blayer, DEQ OWMRP</i></p> <p>This session will provide attendees with an overview of the DEQ's process of tracking and responding to proposed federal rulemaking, incorporating final federal rulemaking into the state's hazardous waste statutes and rules, and the process of obtaining and maintaining authorization from EPA to implement the state's hazardous waste program in Michigan in lieu of implementing the federal Resource Conservation and Recovery Act.</p>



<b>3:20 – 3:30 p.m.</b>	<b>BREAK (10 Min)</b>
<b>3:30 – 4:10 p.m.</b>	<b>TRACK SESSIONS</b>
Basic Training	<b>Preparing for a Hazardous Waste Inspection</b> <i>Wade O'Boyle, DEQ OWMRP</i> -- (Session details coming soon)
Waste Management	<b>Overview of Radon and Technologically Enhanced Naturally Occurring Radioactive Materials (TENORM) Regulations</b> <i>Aaron Berndt and Bob Skowronek, DEQ OWMRP</i> This session will help attendees understand the source of radon and technically enhanced naturally occurring radioactive materials, actions we can take to mitigate exposure to these materials and how they must be managed when encountered to meet the state and federal regulations that apply to radioactive materials.
Water Quality	<b>Backflow Prevention: Michigan's Program for Protecting Drinking Water</b> <i>Mike Bolf, DEQ ODWMA</i> -- (Session details coming soon)
Emergency Planning and Response	<b>Release Response and Reporting</b> <i>Mike Young, DEQ OEA</i> There are many state and federal regulations with chemical release reporting requirements that apply in Michigan. How do you determine what, to whom, and how releases must be reported? This presentation will give you the tools to make those determinations and some practical advice to help you through an emergency.
Remediation/ Redevelopment	<b>Overview of the New Cleanup Criteria, Sara Pearson, DEQ RRD</b> <i>Sara Pearson, DEQ RRD</i> A comprehensive update to Michigan's generic cleanup criteria that are used for evaluating risk at properties with environmental contamination has been completed. The comprehensive update is included in a proposed rule package for promulgation under Michigan's environmental remediation program. This update will provide an overview of the proposed rules, new processes for criteria calculation, and the rule promulgation process. <i>(Repeat of session offered Tuesday at 1:00 p.m.)</i>
<b>4:10 p.m.</b>	<b>ADJOURN</b>