



ASTSWMO, Providing Pathways to Our
Nation's Environmental Stewardship Since 1974

2019 ASTSWMO Joint Hazardous Waste and Materials Management Training

FINAL AGENDA

**August 13-15, 2019
Hilton Milwaukee City Center
Milwaukee, WI**



#HWMM2019

meet.astswmo.org

2019 ASTSWMO Joint Hazardous Waste and Materials Management Training
“Developing 21st Century Solutions to 21st Century Waste Streams”
August 13-15, 2019
Milwaukee, WI

Agenda

Tuesday, August 13, 2019

7:00 - 8:00 AM **Meeting check-in – Crystal Ballroom Foyer, 5th Floor**
There will be no on-site registration. (Only coffee and tea will be available.)

Morning Plenary Sessions – all sessions are in the Crystal Ballroom, 5th Floor

8:00 - 8:30 AM **Welcome and Opening Remarks**

Welcome by Paula Bansch (IN), ASTSWMO Hazardous Waste Subcommittee Chair, and Cathy Jamieson (VT), ASTSWMO Materials Management Subcommittee Chair

- Chip Crockett (AL), ASTSWMO President
- Joe Van Rossum, Program Director, Waste & Materials Management/Environmental Management, Wisconsin Department of Natural Resources
- Barnes Johnson, Director, EPA Office of Resource Conservation and Recovery (ORCR)

8:30 - 9:30 AM **Emerging Waste Streams – Part I**

Moderator: Paula Bansch (IN), ASTSWMO Hazardous Waste Subcommittee Chair

A series of emerging waste streams will be addressed in this two-part session. Following the presentations, attendees will be invited to share their own program issues and experiences with these waste streams. The first session will include discussion of energy-related waste streams.

Speakers:

- Fuel cells: Sara Kinslow, EPA Region 1
- Solar panels: Janine Bogar, Washington Department of Ecology
- Wind turbine blades: Amie Davidson, Iowa Department of Natural Resources
- Lithium ion batteries: Karen Pollard, EPA ORCR
- End-of-life hybrid car batteries: Diane Vlach, CalRecycle

9:30 - 10:30 AM **Emerging Waste Streams - Part II**

Moderator: Cathy Jamieson (VT), ASTSWMO Materials Management Subcommittee Chair

This session will discuss two distinct waste streams: 1. Electronic Waste; and 2. Marijuana/Cannabis/Hemp.

Speaker:

- Electronic Waste: Jason Linnell, Executive Director, National Center for Electronics Recycling

Speakers:

- Marijuana/Cannabis/Hemp:
 - Michael Bankoff, Colorado Department of Public Health & Environment
 - Keya Litt, Arizona Department of Environmental Quality

10:30 - 10:50 AM **Break - Crystal Ballroom Foyer** *(Only coffee and tea will be available.)*

10:50 - Noon **Pharmaceutical Waste**

Moderator: Paula Bansch (IN), ASTSWMO Hazardous Waste Subcommittee Chair

The session will provide an overview of the final Pharmaceutical Rule, and then turn to a discussion of drug take-back programs.

Speakers:

- Barnes Johnson, Director, EPA ORCR
- Selin Hoboy, Vice President, Government Affairs and Compliance, Stericycle

12:00 - 1:30 PM **Lunch on own**

1:45 - 3:15 PM **Concurrent Hazardous and Materials Management Program Sessions**

There will be two concurrent Hazardous Waste sessions and two concurrent Materials Management sessions.

Hazardous Waste Session I: Permit Review Process – Crystal Ballroom, 5th Floor

Moderator: Robin Thomas (AZ), ASTSWMO Corrective Action and Permitting Task Force Chair

This session will include a discussion of efforts by States and EPA to streamline hazardous waste permitting activities and reduce permitting decision timeframes.

Speakers:

- Amanda Kohler, EPA ORCR
- Robin Thomas, Arizona Department of Environmental Quality
- Mark Furnish, Washington Department of Ecology
- Bob Patton, Texas Commission on Environmental Quality

Hazardous Waste Session II: Pharmaceutical Rule – Mitchell Room, 4th Floor

Moderator: Steve Simoes (VT), ASTSWMO Compliance Monitoring and Enforcement Task Force Chair

This interactive session will provide an in-depth review and discussion about specific sections of EPA's new pharmaceutical waste rule.

Speaker:

- Kristin Fitzgerald, Laura Stanley, Brian Knieser, EPA ORCR

Materials Management Session I: Recycling Markets: Responses in the Wake of China Sword – Walker Room, 4th Floor

Moderator: James Jennings (IL), ASTSWMO Sustainable Materials Management Task Force Vice-Chair

The ASTSWMO Sustainable Materials Management Task Force is gathering information about actions States and Territories are taking in response to China Sword. One action is the development of recycling markets. The session will include various market development efforts by States and others.

Speakers:

- Eric Heyboer, Recycling Grant Program Administrator, Colorado NextCycle
- Pete Previte, Recycling Markets Development Manager, Pennsylvania Recycling Markets Center
- David Waggoner, Chief Scientist and Director of Environmental Management, Institute of Scrap Recycling Industries (ISRI)

Materials Management Session II: How to Tackle Landfill Odors – Juneau Room, 5th Floor

Moderator: Kathryn Perszyk (VA), ASTSWMO Solid Waste Disposal and Conversion Task Force Chair

The ASTSWMO Solid Waste Disposal and Conversion Task Force is preparing a compendium on landfill odor causes and available control options. As part of that effort, the Task Force has sought information from States regarding how State regulatory agencies are addressing landfill odors as well as information on successful cases where an odor issue has been resolved. The session will include a report out by the Task Force of those two activities. The session will also cover mitigating landfill odors from assessment to initiation of controls, and approaches to neutralizing odors.

Speakers:

- Lori Aldrich (AK), Solid Waste Disposal and Conversion Task Force Vice-Chair
- John Welch, P.E., Director, Dane County (WI) Department of Waste and Renewables
- Robert Dick, Vice President, SCS Engineers

3:15 - 3:30 PM **Break - Crystal Ballroom Foyer** *(No refreshments will be available.)*

3:30 - 5:00 PM

Concurrent Hazardous and Materials Management Program Sessions

There will be two concurrent Hazardous Waste sessions and two concurrent Materials Management sessions.

Hazardous Waste Session I: RCRA Subtitle C Permitting Potpourri – Crystal Ballroom, 5th Floor

Moderator: Robin Thomas (AZ), ASTSWMO Corrective Action and Permitting Task Force Chair

This session will include a discussion of (1) EPA's Permit Integrity Team (PIT) activities, including opportunity to provide input for selecting FY2020 national RCRA permitting priorities; and (2) waste analysis plans and land disposal restriction compliance.

Speakers:

- Amanda Kohler, EPA ORCR
- Al Taylor, Michigan Department of Environment, Great Lakes, and Energy
- Todd Ramaly, EPA Region 5

Hazardous Waste Session II: Two Distinct Topics - Mitchell Room, 4th Floor

1. Generator Improvement Rule (3:30 - 4:15 PM)

Moderator: Steve Simoes (VT), ASTSWMO Compliance Monitoring and Enforcement Task Force Chair

An overview of the generator closure requirements of the Generator Improvement Rule (GIR) and episodic generation will be provided.

Speaker:

- Kathy Lett, EPA ORCR

2. Used Oil Case Studies (4:15 - 5:00 PM) (CLOSED except for State and EPA attendees)

Moderator: Nicole Eby (MO), ASTSWMO Compliance Monitoring and Enforcement Task Force Member

State case studies will share experiences encountered in implementing the Part 279 used oil regulations.

Speakers:

- Brent Watson, Alabama Department of Environmental Management
- Steve Simoes, Vermont Department of Environmental Conservation

Materials Management Session I: Reducing Recycling Contamination through Public Education and Engagement – Walker Room, 4th Floor

Moderator: Janine Bogar (WA), ASTSWMO Sustainable Materials Management Task Force Chair
Contamination in recycling has been a problem for a long time, but China Sword has heightened the need for us to clean up the recycling stream. Public education and engagement is one important tool to address this problem, and one the ASTSWMO Sustainable Materials Management Task Force is tracking. The session will highlight outreach campaigns to reduce contamination that can be helpful in response to China Sword.

Speakers:

- Samantha Longshore, City of Milwaukee Department of Public Works Operations, and Analiese Smith, Waukesha County Department of Parks & Land Use
- Nisha Patel, Connecticut Department of Energy & Environmental Protection
- James Jennings, Illinois Environmental Protection Agency

Materials Management Session II: Coal Combustion Residuals (CLOSED except for State and EPA attendees) Juneau Room, 5th Floor

Moderator: Kathryn Perszyk (VA), ASTSWMO Solid Waste Disposal and Conversion Task Force Chair
The implementation of the final 2015 EPA Coal Combustion Residuals (CCR) Rule and the status of follow-on rulemakings will be discussed during this session.

Speakers:

- Richard Huggins, Mary Jackson and Kirsten Hillyer, EPA ORCR

5:00 PM **Adjourn for the day**

5:30 - 6:30 PM **Reception Hosted and Funded by the ASTSWMO Board of Directors - Crystal Ballroom Foyer, 5th Floor**

Wednesday, August 14, 2019

7:00 - 8:15 AM **Meeting check-in – Crystal Ballroom Foyer, 5th Floor**
There will be no on-site registration. (Only coffee and tea will be available.)

Morning Plenary Sessions – all sessions are in the Crystal Ballroom, 5th Floor

8:15 - 8:30 AM **ASTSWMO “101”**
Presented by: Dania Rodriguez, ASTSWMO Executive Director

8:30 - 9:30 AM **ITRC Training: PFAS “101” (Intro to PFAS)**
Moderator: Paula Bansch (IN), ASTSWMO Hazardous Waste Subcommittee Chair
The session will provide an introduction to PFAS in covering the following topics:

- PFAS background & naming conventions
- Basic PFAS physical & chemical properties
- PFAS toxicity, risk assessment, and regulations/guidance
 - Basic PFAS fate & transport: Case study from MN to illustrate unique PFAS fate & transport

Speaker:

- Ginny Yingling, Minnesota Department of Health and ITRC PFAS Team Co-Lead

9:30 - 10:00 AM **Break – Crystal Ballroom Foyer** *(Only coffee and tea will be available.)*

10:00 - 12:00 PM **Concurrent Hazardous and Materials Management Program Sessions**
During this time block, there will be one Joint Hazardous Waste and Materials Management Program Session for PFAS training; two, hour-long Hazardous Waste sessions; and two, hour-long Materials Management sessions.

10:00 - 12:00 PM **Joint HW and MM Session: ITRC Training: PFAS “201” (PFAS Nuts & Bolts for Site Managers) – Crystal Ballroom, 5th Floor**

Moderator: Cathy Jamieson (VT), ASTSWMO Materials Management Subcommittee Chair

This in-depth PFAS training session will cover:

- PFAS history & sources
- PFAS physical & chemical properties
- PFAS fate & transport
- Site characterization
- Sampling & analysis
- Treatment technologies

Speakers:

- Ginny Yingling, Minnesota Department of Health and ITRC PFAS Team Co-Lead
- Shalene Thomas, Emerging Contaminants Program Manager, Wood PLC

10:00 - 11:00 AM **Hazardous Waste Session: Smart Tools Demo – Mitchell Room, 4th Floor**

Moderator: Steve Simoes (VT), ASTSWMO Compliance Monitoring and Enforcement Task Force Chair

Automating the inspection process for RCRA inspectors has been in the works by EPA and States for some time and it is finally near the time for rolling out the core application. EPA is providing an update on the Smart Tools project and conducting a short demo, which will be presented via live webinar.

Speaker:

- Lauren Jones, EPA Office of Compliance – via live webinar

Materials Management Session: WARM Model; ARD Activities – Walker Room, 4th Floor

Moderator: Wolf Kray (CO), ASTSWMO Sustainable Materials Management Task Force Member

This session will offer a “walk through” of the latest version of the WARM Model. It will then provide an overview of EPA’s America Recycles Day (ARD) initiative followed by dialogue to gain input from State attendees.

Speakers:

- WARM Model: Nathan Wittstruck, EPA ORCR
- ARD: Ron Vance, EPA ORCR

11:00 - 12:00 PM **Hazardous Waste Session: E-Manifest and RCRAInfo V6 – Mitchell Room, 4th Floor**

Moderator: Melissa Ferree (DE), ASTSWMO Program Information Management Task Force Chair

This session is designed to provide a demonstration of the e-Manifest system and an explanation regarding how to retrieve e-Manifest data from the system (e.g., reports, APIs). Additionally, the session will address the status of the development of RCRAInfo Version 6.

Speakers:

- Steve Donnelly and Chris Muir, EPA ORCR

Materials Management Session: Food Waste Management – Walker Room, 4th Floor

Moderator: Janine Bogar (WA), ASTSWMO Sustainable Materials Management Task Force Chair

The session will discuss a food waste assessment guide that is being prepared by Guam EPA; ASTSWMO's Materials Management Subcommittee is contributing to the guide. The session will also provide an overview of EPA's sustainable management of food activities, including an introduction to two new Commission for Environmental Cooperation (CEC) products.

Speakers:

- Conducting a Food Waste Assessment: Guide for Small Island Communities: Conchita Taitano, Guam Environmental Protection Agency, and Cory Hinds, Project Manager, Jacobs
- Why And How To Measure Food Loss And Waste: A Practical Guide: Ellen Meyer, EPA ORCR
- Food Matters Action Kit: Vicky Salazar, EPA Region 10

12:00 - 1:30 PM **Lunch on own**

1:45 - 3:15 PM **Concurrent Hazardous and Materials Management Program Sessions**

There will be two concurrent Hazardous Waste sessions for Hazardous Waste program attendees and one Materials Management session for all Materials Management program attendees.

Hazardous Waste Session I: Two Distinct Topics - Mitchell Room, 4th Floor

1. Post-Closure Care Period

Moderator: Paula Bansch (IN), ASTSWMO Hazardous Waste Subcommittee Chair

Speaker:

- Al Taylor, Michigan Department of Environment, Great Lakes, and Energy

2. Corrective Action: Long-term Stewardship and Beyond 2020

Moderator: Sarah Bargsten (WY), ASTSWMO Corrective Action and Permitting Task Force Vice-Chair

This session will provide an update on the activities of the Long-Term Stewardship Steering Group and working groups, and then focus on the direction of RCRA Corrective Action goals ongoing past the year 2020.

Speakers:

- Sarah Bargsten (WY), ASTSWMO Corrective Action and Permitting Task Force Vice-Chair
- Charlotte Mooney, EPA ORCR
- Tammy Moore, EPA Region 5

Hazardous Waste Session II: Two Distinct Topics – Walker Room, 4th Floor

1. LDR Training for Inspectors (1:45 - 3:00 PM)

Moderator: Steve Simoes (VT), ASTSWMO Compliance Monitoring and Enforcement Task Force Chair

This session will cover what inspectors need to know to properly evaluate land disposal restrictions (LDR) compliance by hazardous waste generators, and include an exercise that evaluates the documentation that should be reviewed during a typical inspection.

Speaker:

- Mike Ellenbecker, Wisconsin Department of Natural Resources

2. Definition of Solid Waste Rule (3:00 - 3:15 PM) This short, facilitated session will provide the opportunity for State information-sharing on the status of State adoption of the Definition of Solid Waste Rule.

Materials Management Session: “Your Issues” – Crystal Ballroom, 5th Floor

Moderator: Cathy Jamieson (VT), ASTSWMO Materials Management Subcommittee Chair

Information-sharing on issues identified by Materials Management program attendees, including Radioactive Medical Waste; Construction and Demolition Debris; Post-Closure Care; and Household Hazardous Waste.

3:15 - 3:45 PM **Break – Crystal Ballroom Foyer** *(No refreshments will be available.)*

3:45 - 5:15 PM **Concurrent Hazardous and Materials Management Program Sessions**

There will be one Hazardous Waste session for all Hazardous Waste program attendees and two concurrent Materials Management sessions.

Hazardous Waste Session – Crystal Ballroom, 5th Floor

1. RCRAInfo Reports & 2. STAG Funding (THIS TOPIC IS OPEN TO ONLY STATE AND EPA ATTENDEES)

Moderator: Paula Bansch (IN), ASTSWMO Hazardous Waste Subcommittee Chair, and
Melissa Ferree (DE), ASTSWMO Program Information Management Task Force Chair

The first half of this session will focus on reports currently available in RCRAInfo and will be an interactive session to allow States to discuss with EPA reports that would be helpful to States. The second half of the session will provide an update on EPA’s STAG calculation process and a discussion of the data sources utilized to determine the universes identified in the STAG funding calculation.

RCRAInfo Reports Speakers:

- Steve Donnelly and Chris Muir, EPA ORCR

STAG Funding Speaker:

- Wayne Roepe, EPA ORCR

Materials Management Session I: 21st Century Solutions to 1st Century Waste Streams – Disposal of Radioactive Material – Mitchell Room, 4th Floor

Moderator: Libby McCaskill (OK), ASTSWMO Radiation Task Force Vice-Chair

The session speakers will provide presentations on the different types of radioactive waste commonly received at RCRA C and D facilities and household hazardous waste collection sites, radiation instrumentation, and an overview of low-level radioactive waste (LLRW) disposal facilities.

Speakers:

- Rick Thompson, Montana Department of Environmental Quality
- Dwight Shearer, Pennsylvania Department of Environmental Protection
- Kristen Schwab, Washington Department of Health

Materials Management Session II: Beneficial Use of Materials in Transportation Projects – Walker Room, 4th Floor

Moderator: Diane Vlach (CA), ASTSWMO Beneficial Use Task Force Vice-Chair

The session will include a presentation of a State project conducted to use rubberized asphalt and the dry process in transportation projects. The use of coal ash in transportation projects will also be discussed.

Speakers:

- Patrick Riley, Oklahoma Department of Environmental Quality
- Thomas Adams, Executive Director, American Coal Ash Association

5:15 PM **Adjourn for the day**

Thursday, August 15, 2019

7:00 - 8:00 AM **Meeting check-in – Crystal Ballroom Foyer, 5th Floor**
There will be no on-site registration. Coffee, tea and light refreshments will be available.

8:00 - 9:30 AM **Concurrent Hazardous Waste and Materials Management Roundtables**
There will be one Hazardous Waste Roundtable and one Materials Management Roundtable

Hazardous Waste Roundtable – Crystal Ballroom, 5th Floor

Moderators: Paula Bansch (IN), ASTSWMO Hazardous Waste Subcommittee Chair, and Barnes Johnson, Director, EPA ORCR

- General regulation/policy update
- RCRA Air Emissions Subpart AA/BB/CC
- Energetic wastes
- Risk communication/EPA OIG study
- CERCLA 108(b) update
- EPA Financial Assurance Compliance Tracking Tool (FACTT)

Materials Management Roundtable – Mitchell Room, 4th Floor

Moderators: Cathy Jamieson (VT), ASTSWMO Materials Management Subcommittee Chair, and Kathleen Salyer, Deputy Director, EPA ORCR

- General regulation/policy update
- Report out/update on Oil and Gas Activities
- Update on the comments on the ANPRM on liquids in landfills/bioreactors and proposed path forward
- Use of certified electronics recyclers
- Winning on Reducing Food Waste Initiative

9:30 - 10:00 AM **BREAK & CHECK-OUT** *(No refreshments will be available.)*

10:00 - 11:45 AM **Plenary Sessions - Crystal Ballroom, 5th Floor**

10:00 – 11:30 AM **Young Professionals Panel**

Moderator: Dania Rodriguez, ASTSWMO Executive Director

Succession planning is a critical issue facing all organizations. In this session, issues in succession planning will be addressed by panelists who will share their experiences and perspectives as young professionals in their respective organizations.

Speakers:

- Kathryn Perszyk, Virginia Department of Environmental Quality
- Sara Kinslow, EPA Region 1
- James Jennings, Illinois Environmental Protection Agency

11:30 – 11:45 AM Closing Remarks & Adjournment

Paula Bansch (IN), ASTSWMO Hazardous Waste Subcommittee Chair, and Cathy Jamieson (VT),
ASTSWMO Materials Management Subcommittee Chair

JOINT TRAINING EVALUATION



FUTURE MEETINGS

- The ASTSWMO LUST Workshop will be held September 17-19, 2019 at the Jung Hotel in New Orleans, LA.
- The October 2019 ASTSWMO Annual Meeting will be held October 30-31, 2019 at the Omni Hotel in Washington, DC.
- The National Brownfields Conference will be held December 11-13, 2019 in Los Angeles, CA.
- The April 2020 ASTSWMO Mid-Year Meeting will be held April 29-30, 2020 at the Sheraton Hotel in Birmingham, AL.
- The National RCRA Corrective Action Conference organized by ASTSWMO is being scheduled for early June 2020, location and dates to be determined.
- The ASTSWMO CaBS Symposium is tentatively scheduled for August 2020, location and dates to be determined.
- The 2020 ASTSWMO Annual Meeting is tentatively scheduled for late October/early November 2020 in Washington, DC.

