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

Contaminants of Emerging Concern Steering Committee

June 16, 2020

ASTSWMO

Logistics

- All attendees are muted throughout the webinar.
- **Questions:** Use the Questions Pane in the control panel to send questions to the speakers throughout the webinar.
  - **Note who the question is directed to in your submittal.**
  - **ASTSWMO staff will verbally read submitted questions during the webinar.**
  - Time may be available at end for verbal questions and dialogue.
- The final slides will be distributed to all attendees after the meeting.

Agenda

- Contaminants of Emerging Concern
- Federal and State roles
- ASTSWMO CEC Steering Committee
- Initial activities and deliverables

Placeholder: Registration Survey Responses

Q: What would you like to see addressed during the webinar; do you have a question you would like the Steering Committee to address during the webinar?

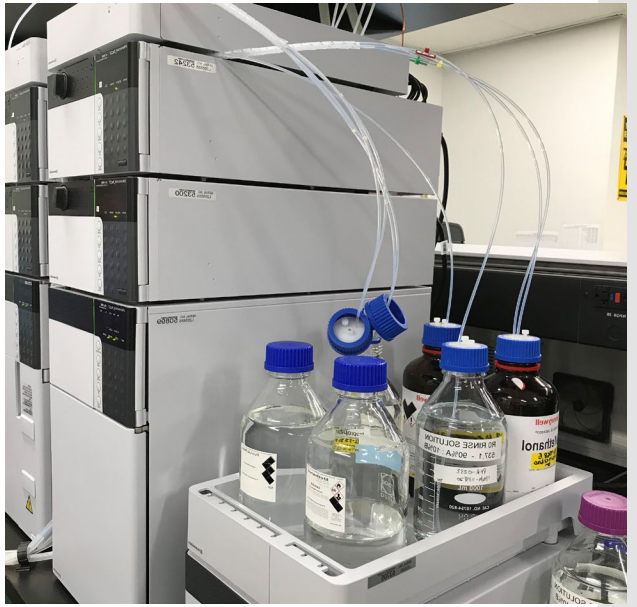
A: _____

Definition

A **contaminant of emerging concern** includes any physical, chemical, biological, or radiological substance or matter in any environmental media that may pose a risk to human and/or ecological health and the presence, is under regulated, and the presence, frequency of occurrence or source of which is not well understood, routinely monitored, and/or may lack analytical methods.

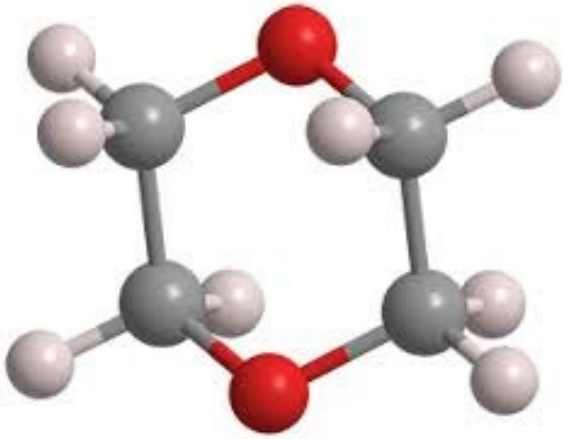
How They Emerge

- In any media – air, land, water (DW, wastewater, GW)
- In any program – CAA, CWA, SDWA, RCRA, CERCLA, TSCA
- Discovery of an exposure pathway - inhalation, ingestion, dermal
- Discovery through enhanced analytical methods
- New evidence of adverse human health and environmental affects



Examples of CECs

- Pharmaceuticals
- Personal Care Products
- Cyanotoxins
- Microplastics
- Phthalates
- Nanomaterials
- PFAS
- 1,4-Dioxane
- Explosives & Propellants (ex., perchlorate, RDX, HMX)



Webinar Live Poll #1

What do you see as the next CEC to require action by the States?

- Microplastics
- Personal Care Products
- Pharmaceuticals
- Phthalates
- Other

Federal Role

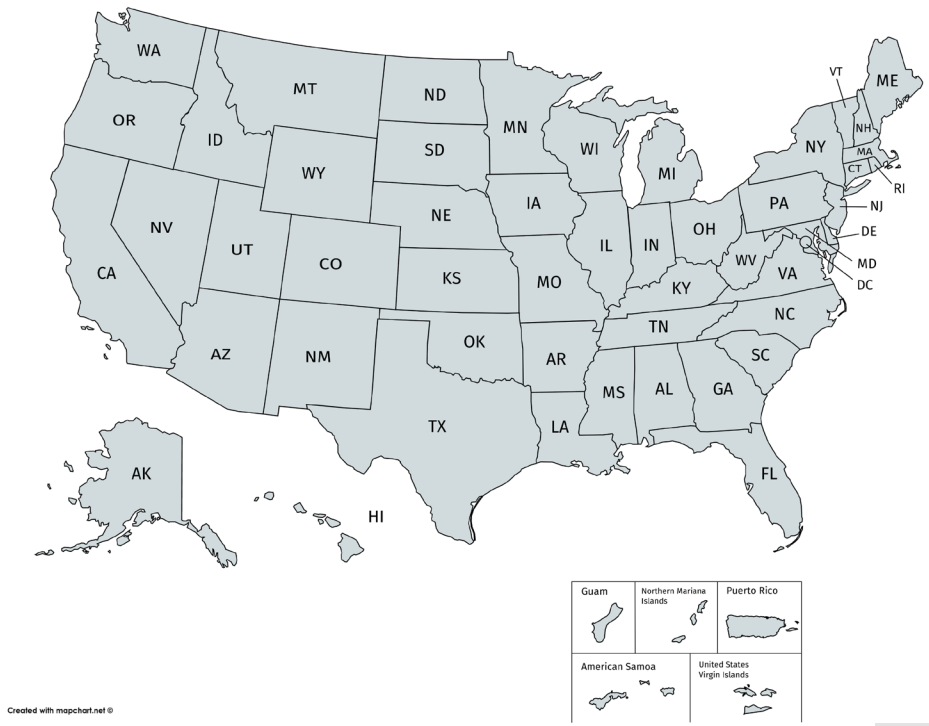
- Identify priority CECs
- National context on occurrence
  - EPA studies of wastewater
  - EPA Unregulated Contaminant Monitoring Rule (UCMR)
  - USGS investigations
- Sampling and analytical method development
- National guidance and regulations
- Research on treatment technologies
- Funding and resources for State implementation

Federal Role (cont.)

- Evaluate impacts on human health and environment
- Develop nationally-recognized health-based guidelines (values) and standards

Role of States and Territories

- Raise awareness
- Investigate and survey to understand occurrence
- Provide input on federal studies and proposals
- Adopt and enforce federal regulations
- Inform and respond to State residents and industry
- Coordinate Local and State agencies in the investigation and response to CEC contamination



Challenges in Absence of Federal Leadership

LIMITED RESOURCES

LIMITED KNOWLEDGE BASE

'NO MORE STRINGENT THAN FEDERAL'

LACK OF COORDINATION AMONG STATES

INCONSISTENCY

PUBLIC CONFIDENCE

Placeholder: Webinar Poll #2

What is the biggest obstacle to making progress with addressing contaminants of emerging concern?

- Lack of information on occurrence and environmental fate and transport
- Lack of information on health effects before chemicals are introduced
- Lack of federal policy and leadership
- Limited regulatory authority

Contaminants of Emerging Concern Steering Committee

- ASTSWMO responding to States and Members
- Evolved from the PFAS workgroup
- Board approved formation in October 2019
- Executive Committee endorsed the Charter in December 2019
- Applicants for members solicited through January 31, 2020

Purpose

To provide a forum for ASTSWMO representatives to discuss federal and State regulatory, policy, and technical developments, and to recommend research projects and training activities for ASTSWMO Subcommittees, Focus Groups, and Task Forces to execute regarding CECs

Objectives

Education for membership

Address concerns raised by programs

Increase communication and information sharing between programs

Increase communication and collaboration between State and federal agencies

Membership

Chair and Vice-Chair

Program Subcommittee Liaisons

- CERCLA & Brownfields
- Federal Facilities
- Hazardous Waste
- Materials Management
- Tanks

Representatives from waste and cleanup programs

ASTSWMO Program Staff

Steve Sliver, Chair
Region V Board Rep
Michigan

Tracie White, Vice Chair
Colorado

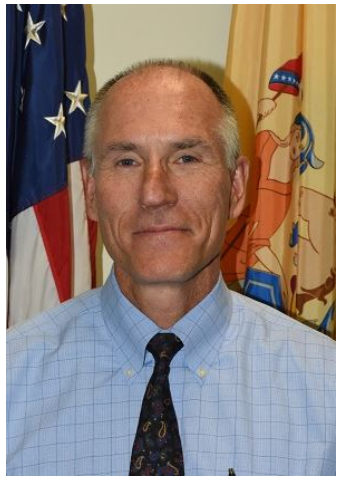
Teresa Booeshaghi,
Florida

Tom Higgins,
Minnesota

Millie Garcia-Serrano,
Region 1 Board Rep
Massachusetts

Sonja Favors,
Tanks, Alabama

Kasey Kathan,
Materials Management,
Vermont



Ken Kloo, CERCLA
& Brownfields,
New Jersey

Zach Paden,
Hazardous Waste,
Oklahoma

Sandra Snyder,
Federal Facilities,
South Carolina

Liaisons to ASTSWMO's Subcommittees

Justin Meredith, Tennessee

Ann Kron, Montana

Charles Reyes, ASTSWMO

Scott Lauher, ASTSWMO

Internal Coordination

Unique within ASTSWMO organization

Executive Committee and Board

Subcommittee Liaisons

State members

External Coordination

- Avoid duplication of work already completed or being planned by other organizations and government agencies
- Identify members to link to other State environmental media associations and federal counterparts

Initial CECSC Activities

Organizational meeting and monthly meeting schedule

Survey of committee members

- Define CECs
- Program considerations
- Prioritizing
- Roadblocks

Outreach to membership (webinar)

Deliverables

- Position papers on specific CECs
- Research recommendations for ASTSWMO Subcommittees
- Maintain information on ASTSWMO website
- Facilitate CEC training for membership
- Guidance for State CEC programs – considerations and best practices

Considerations for State CEC Program

SCOPE

RESOURCES

COLLABORATION

HOW TO IDENTIFY CECS

HOW TO PRIORITIZE OR ASSESS CECS

HOW TO ADDRESS OR MANAGE CECS

Federal and State CEC Program Models & Efforts

- ECOS-DoD Sustainability Workgroup (2004)
  - Compatible Use & Sustainability Task Group
  - *Emerging Contaminant Task Group*
- ECOS Cross Media Committee (2009-2010)
  - Emerging Contaminants Work Group
- ECOS Resolution 15-2: Supporting Work on Emerging Contaminants (9/15, 8/20)
- DoD CMRP Program (2018) and DoD PFAS Task Force (2019)
- Minnesota's Contaminants of Emerging Concern Initiative

Placeholder: Registration Survey Responses

Q: What is the most important issue or concern regarding contaminants of emerging concern that you suggest the Steering Committee should address? Please be specific and provide an example of a deliverable or resource that would be helpful for the ASTSWMO membership.

A: _____

Draft Timeline

- June 16, 2020 Webinar
- July 2, 2020 CECSC evaluate member comments
- October 29, 2020 Draft position paper on CECs, PFAS
- April 27, 2021 Draft CEC program recommendations

Thank You!

QUESTIONS

COMMENTS

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ASTSWMO