

DRAFT – The workshop has been rescheduled to the week of April 5, 2021. This Agenda will be updated early 2021.

National Recreational Water Quality Workshop- October 6-9, 2020

Session Chairs and Session Descriptions

Tuesday- October 6, 2020

8:00 – 12:00 Field Trips

- **Peg Donnelly, Kendall Anderson, Abhilasha Shrestha** – Lake Michigan beach and lab visit
- **Ibrahim Goodwin and Friends of the Chicago River**– Chicago River restoration efforts/visit (including demo of EPA’s Sanitary Survey App)

1:30 – 2:45

- Welcome EPA and CTIC
- Plenary Speakers – Sam Dorevitch and Julie Kinzelman

2:45 – 3:00 Break

3:00 – 5:00 Risks to Recreation – *single session after plenary*

- **Sam Dorevitch/Abhilasha Shrestha (UIC) and Virginia Roberts (CDC)**

There will be a discussion of current risks from fecal contamination and cyanotoxins (as a result of harmful algal blooms, HABs). There will be a discussion of recent EPA water quality criteria and tools for recreational waters, state programs, CDC HAB reporting system and trends in recreational water quality. This session may also include a case study on an impacted recreational waterbody and the community.

Wednesday- October 7, 2020

8:00 – 12:00 Advances in Monitoring, Approaches and Technology - *two sessions*

- **Rachel Noble (UNC)**

The goal of these sessions is to discuss implementation of current methods as well as highlight new approaches and technologies to improve the capability of programs to detect HABs, their toxins and fecal contamination. One session may focus on new monitoring methods such as DNA-based methods. A second session will focus on remote sensing and other technologies.

- 1st session - Current Methods and New Monitoring Methods

9:45 Break

- 2nd session - Remote Sensing, Predictive Modeling and Other Technologies

1:00 – 4:30 Notification and Risk communication – *one long session with a break*

3:00 Break

- **Shannon Briggs (MI Dept of Env, Great Lakes, and Energy)**

This session will discuss approaches to communicating with the public the economic and health risks from contaminated recreational waters. It will also discuss the actions a waterbody manager can take to close or post a notification as well as lift a closure or notification. There are many new communication tools using social media and other apps. Examples of communication planning and implementation will be provided.

5:00 – 6:00 Poster Session and Social Hour in the Hotel – *poster presenters must attend*

Thursday- October 8, 2020

8:00 – 12:00 Restoring Waters to Recreational Use – *two sessions*

- **Orin Shanks (EPA/ORD)** 1st session – Application of Tools

This session will focus on tools (e.g., microbial source tracking (MST), quantitative microbial risk assessment (QMRA), and sanitary surveys (SS)) to inform any remediation effort in waters that are fecally or HAB contaminated as well as to inform and enlist support from the public.

9:45 – 10:00 Break

- **Julie Kinzelman (City of Racine, WI)** 2nd session - Success Stories and Lessons Learned

This session will include remediation success stories and lessons learned. Topics will include preventing or reducing nutrients and blooms, identifying sources of sewage and other sources of fecal contamination, identifying and reducing agricultural and wildlife impacts; and using tools to pursue water quality improvements.

12:00 – 1:30 Lunch *Poster Presenters available 12:30 – 1:30* (Poster must be removed by 5:00)

1:30 – 5:30 Building Partnerships in Recreational Water Monitoring and Remediation – *one long session with a break*

3:30 Break

- **Ibrahim Goodwin (EPA/OW) Hilary Snook (EPA Region 1 for HABs)**

This session aims to highlight collaborative monitoring efforts and emphasize the benefit of collaborations between academia, state and national agencies, tribal governments, and citizen science groups. There will be a discussion of the US EPA Citizen Science Vision and the quality assurance template for citizen scientists as well as examples of successful partnerships to monitor, communicate and reduce the impact of HABs and fecal contamination.

Friday- October 9, 2020

8:00 – 11:30 What's Next? Emerging Concerns – *single session*

10:00 Break

- **Steve Weisberg (SCCWRP)**

Speakers will discuss the emerging issues of concern in recreational waters. Topics may include: coliphage as a viral fecal indicator, anti-microbial resistant pathogens, extreme weather event impact on water quality, and occurrence of vibrio in new locations.

11:20 – **EPA Wrap-up**