

DEP 2024 HAB Summit

Agenda

Virtual (link will be sent to registrants) [Register Here](#)

March 27, 2024

9:00 AM – 4:00 PM



Opening Remarks & Keynote

9:00 AM – 10:00 AM

- Opening Remarks by *Kati Angarone, Assistant Commissioner for Watershed and Land Management, NJDEP*
- Overview of USEPA's National HAB Program by *Brannon Walsh, Office of Water, USEPA*
- Overview of USEPA's HAB Research by *Ann Grimm, Office of Research and Development (EPA)*
- 2023 Harmful Algal Bloom Response Summary by *Chris Kunz, Section Chief, Bureau of Freshwater and Biological Monitoring, NJDEP*

Session 1 – Growth Through Reflection: Lessons Learned

10:30 AM – 12:00 PM

- Case Study: Harmful Algal Bloom Impacts to Private Wells at Cozy Lake by *Chris Kunz, Section Chief, Bureau of Freshwater and Biological Monitoring, NJDEP*
- An Overview of the NJDEP Harmful Algal Bloom Lake Management Guidance Document by *Mike Danko, Assistant Director of Extension, Marine Recreation Agent, New Jersey Sea Grant Consortium; Jason Adolf, PhD, Professor of Biology and Marine Science, Monmouth University; and Bob Kortmann, PhD, Senior Consultant – Applied Limnologist, GZA GeoEnvironmental, Inc.*
- Implementation: Overview of HAB Specific RFP Grant Fundings by *Cathryn Schaffer, Bureau Chief, Watershed and Land Management, NJDEP*
- Rosedale Lake Project Summary and Recommendations by *Bob Schuster, Government Representative, NJDEP*
- Choreographic Municipal and Community Efforts to Meet Regulatory Requirements by *Jennifer M. Coffey, Executive Director, ANJEC*

Lunch Break

12:00 PM – 1:00 PM

Session 2 – Innovative Tools and Applications

1:00 PM – 3:00 PM

- HAB Monitoring & Mitigation/Prevention Tools (EPA CyAN + ITRC Tools) by *Rob Newby, Research Scientist, NJDEP*
- Quantifying Overwintering Cyanobacteria and How They May Impact the Monitoring and Management of HABs by *Fred Lubnow, Ph. D., Senior Technical Director of Ecological Services, Princeton Hydro*
- STREAM: Satellite-based Analysis Tool for Rapid Evaluation of Aquatic Environments by *Nima Pahlevan, PhD, Science Systems and Applications Inc. (SSAI) & NASA Goddard Space Flight Center*
- NJ MAP: Visualizations and Tools for Understanding Land Use and Its Impacts in NJ by *Katrina McCarthy, Director, NJ MAP at Rowan University*
- AI Forecasting for Harmful Algal Blooms by *Matt Cerami, Watershed Manager, Veolia & Mat Titus, PhD, Managing Member, Clearwater Analytica*

Session 3 – Beyond the Numbers

3:30 PM – 4:00 PM

- 2022 vs. 2023 Phycocyanin Data Correlations by *Emily Mayer, Research Scientist, Bureau of Freshwater and Biological Monitoring, NJDEP*
- Estimating the Probability of Exceeding the Microcystin Threshold Using Cell Count by *Lori Lester, PhD, Bureau Chief, Division of Science and Research, NJDEP*
- Watershed Decision Tools Under Development and Planned by *Bob Schuster, Government Representative, NJDEP*

Closing Remarks

4:00 PM

- *Patricia Gardner, Assistant Commissioner for Water Resource Management, NJDEP*