

# Development of a Harmful Algae Bloom Monitoring and Response Plan

Agenda Item 8

# News

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## Driven by Climate Change, Algae Blooms Behind Ohio Water Scare Are New Normal

*Climate change and increased runoff are triggering more potentially toxic blooms.*



A massive algae bloom in 2011 turned Lake Erie into pea soup.

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- 02 [More Ebola Cases Expected in U.S. But Officials Confident of Containment](#)
- 03 [In a Planet-or-Not Debate, Some Astronomers Say 'Long Live Planet Pluto'](#)
- 04 [Gut Bacteria Still Get Fed When Hosts Are Too Sick to Eat](#)

### Feed the World

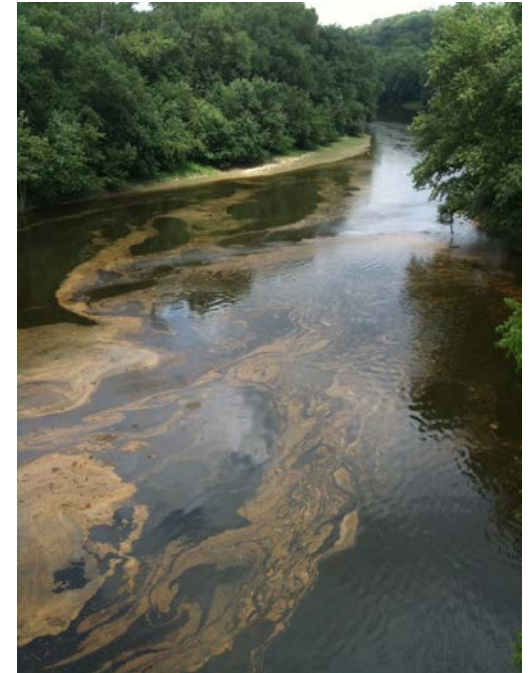


# Proposal for a HAB Response Plan

- This plan will outline the roles and responsibilities of ORSANCO and its partners in the event a HAB is identified on the Ohio River. The plan should include, but not be limited to, the following information:
  - How to determine and report the presence of a HAB
  - Communication with State Agencies (environmental and health), Federal agencies, and local water utilities
  - Monitoring of the HAB and associated toxins
  - Available Alternatives to Mitigate HAB Impacts

# Review of HAB Policies

- Variety of methods
  - OH and PA have written plans
  - KY, IN, IL, WV Information available online
  - NEIWPCC – HAB Board
  - US ACE – Written plan
- Communications – Key component
- Action Levels
  - Algae cell counts – WHO
  - Toxins – WHO/USEPA draft tox review (2006)
  - EPA expected to issue new drinking water standard Spring 2015
    - Contact Rec Standard in 2016?



# Workgroup Conference Calls

- HAB Workgroup has had 2 conference calls.
- Draft outline reviewed
  - What about early warning?
    - Modeling, satellite coverage, identification of conditions
  - Concern about role of ORSANCO
    - Make sure we're not an added layer of bureaucracy
- Next call end of February
  - Discuss one topic at a time starting with roles/responsibilities

# Working Draft

- Draft in June
- Working Document
  - Updates as information on toxicity is published
  - Improvements in forecasting