

Harmful Algal Blooms

Draft ORSANCO Harmful Algae Bloom
Monitoring, Response and Communication
Plan

June, 2016



Agenda Items

7a: Revision of HABs Response and Communications Plan

7b: Proposal for Summer 2016 HABs Surveillance

HAB Work Group

New York	Doug Conroe
Illinois	Gregg Good
Indiana	Cyndi Wagner
Kentucky	Mark Martin
Ohio	Mike Baker
Pennsylvania	Ron Lybrook
	Richard Spear
	Ron Schwartz
West Virginia	John Wirts

USEPA	Tom Poy
	Frank Borsuk
USGS	Angie Crain
	Aubrey Bunch
	Mac Cherry
USACE	Erich Emery
WUAC	Nicole Estes
	Roger Tucker

Draft Plan

- Goals
- Introduction
 - Added statement about 2015 bloom
- Algae/Toxin Standards
 - No changes

Monitoring

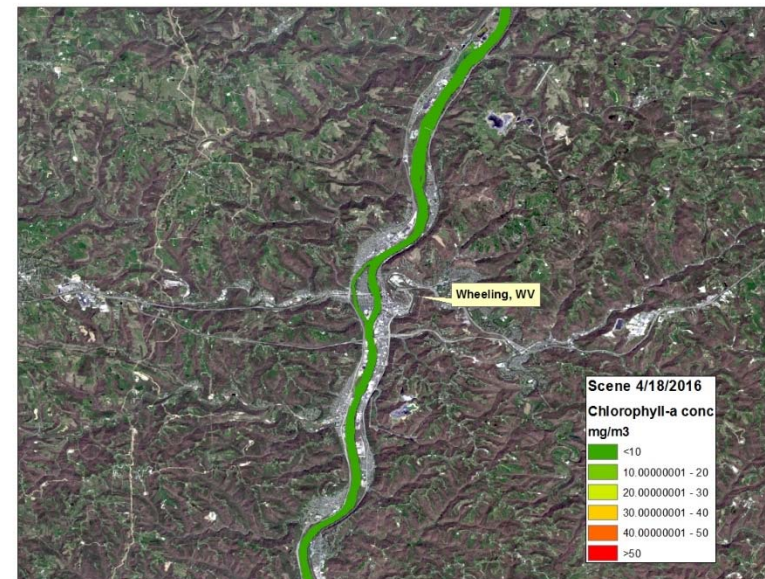
- Summer 2016 HABs Surveillance
- Direct observation
 - Biologists in Willow Island, Greenup, Cannelton pools.
 - Bi-monthly sampling in July and September- 15 L&Ds
 - Monthly calls to Water Utilities
 - Collect available data (Temp, pH, Turbidity, algae/chlorophyll)
 - Monthly calls to Locks and Dam Operators
 - Working on a 1 page HAB ID

Monitoring (cont.)

- Datasondes
 - pH, Conductivity, Turbidity, Dissolved Oxygen, Temperature, and Chlorophyll *a* data every 30 minutes
 - Operate July-October
 - Future systems will have phycocyanin
 - Telemetry allows real-time viewing of data
 - Pike Island L&D, Meldahl L&D?

Monitoring (cont.)

- Satellite Imagery
 - Available about every 2 weeks
 - Image processing takes about a day (depending on Staff availability)
 - Good algorithms for Chlorophyll a.
 - Potential for phycocyanin, temp, turbidity
 - Affected by cloud cover



Response

- ORSANCO sampling goals:
 - Identify HABs
 - Determine extent of HABs
- Data repository.
 - Several stakeholders asked that we be a central repository for all Ohio River HABs data.
 - Some data may be preliminary
 - ORSANCO could provide access to this data through a password protected website.

Communications

- Contact the Primary Contact, WUAC and the Spills list in the event of a HAB
- Convene weekly conference call with Primary Contact, WUAC, Health Dept.
 - These organizations will be responsible for including others from their agencies as needed
- Purpose of the call will be to:
 - Discuss sampling results
 - Coordinate State/Federal/ORSANCO crews for follow up sampling
 - Identify laboratories for sample analysis
 - Identify the need for advisories

Communications (cont.)

- ORSANCO will provide a weekly update to the Commissioners.
- A number of NGO's and Federal, State or Local agencies may ask for updates on a HAB event. ORSANCO can provide weekly email updates to these groups as they are identified.
- ORSANCO will provide Media contacts with general HAB information. Specific questions about recreation advisories will be referred to the appropriate State agency.

Communications (cont.)

- ORSANCO will not issue recreation advisories. Each State will follow their own procedure for their sections of the River. ORSANCO will refer any questions from local health departments to the State health department.
- ORSANCO will not provide advice to water utilities on the need for “Do not drink” advisories. The utilities will be referred to the appropriate State agency.

Contacts

	Public Information	Primary Contact	Health Department
Illinois	Kim Biggs	Spills List Gregg Good Tony Dulka Dave McMillan	Justin Albertson
Indiana	Amy Smith	Cyndi Wagner	Jennifer O'Malley
Kentucky	Lanny Brannock	Peter Goodman	Peter Goodman
Ohio	Heidi Greismer	Craig Butler Mike Baker	Gene Phillips
Pennsylvania	John Poister	Ron Schwartz	Ron Schwartz
West Virginia	Kelley Gillenwater	Scott Mandirola Walt Ivey Bill Toomey	Allison Adler
USEPA		Tim Henry	
USGS		Aubrey Bunch	
USACE		Erich Emery	

Please Review!

- We would like to have comments by June 30.

