

# Arkansas Harmful Algal Bloom (HAB) Workgroup

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# Arkansas HAB Workgroup

- First meeting November 2015
- ~30 members
- Eight organized meetings
- Divided Recreation and Source Water Committees mid-2016
- How are we moving forward?

# Arkansas HAB Workgroup

## Major points

- 1) Education - public awareness, public perception, how are we going to disseminate information, advisories, etc?
- 2) Funding for monitoring - Monitoring is going to be a must, how is this going to be funded/coordinated?
- 3) Standards/triggers--What are the triggers that are going to require an alert, advisory, swim beach closure, etc?
- 4) Communication - How are we going to communicate among groups HAB related information?

# Arkansas HAB Workgroup

How are we moving forward?

## Recreation Subcommittee

- Reviewing draft response thresholds and decision diagram
  - Draft WHO (2003) values

### Closure Alert Level

20 ug/L Microcystin  
20 ug/L Cylindrospermopsin  
>100,000 blue-green cells/mL

### Advisory Alert Level

10 ug/L Microcystin  
10 ug/L Cylindrospermopsin  
>50,000 blue-green cells/mL

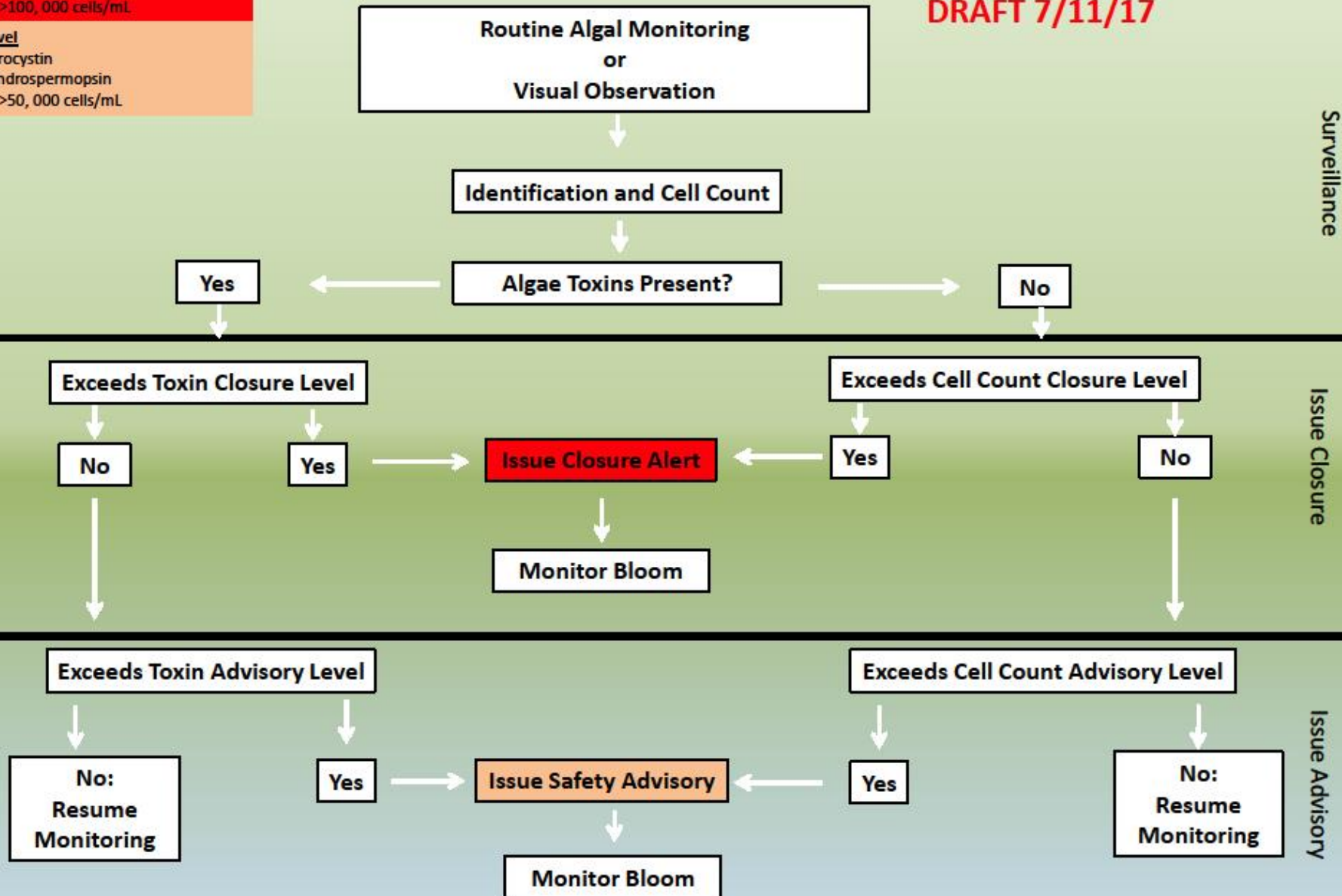
*Disclaimer: Values presented do not reflect any currently adopted or implementable thresholds for regulatory or human health protection in Arkansas..*

# Arkansas Recreation HAB Response Diagram

DRAFT 7/11/17

**Closure Level**  
20 ug/L Microcystin  
20 ug/L Cylindrospermopsin  
Cell Count: >100,000 cells/mL

**Advisory Level**  
10 ug/L Microcystin  
10 ug/L Cylindrospermopsin  
Cell Count: >50,000 cells/mL



# Arkansas HAB Workgroup

## Recreation Subcommittee

- Next Steps
  - Develop HAB Emergency contact list
    - Labs, Agencies/Districts, Veterinarians, Managers
  - Finalize educational material and website

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## **Source Water Subcommittee**

- ADH UCMR<sub>4</sub> monitoring
- Citizen Monitoring Pilot Project
- ADH working with entities to develop response plans
- Larger intakes already monitoring with response plans implemented

# Arkansas HAB Workgroup

## ADEQ Next Steps for HABs

- Proposed project to prioritize highly susceptible reservoirs
  - Implement routine visual, cell count, and toxin monitoring
  - Evaluate potential HAB risk
- Active reporting tools



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## ADEQ Next Steps for HABs

### Online Complaint Reporting Forms

Select a link below to report a pollution problem.



**Air Pollution**



**Petroleum  
Product Spills  
& Leaks**



**Asbestos**



**Solid Waste &  
Illegal Dumps**



**Harmful Algae**



**Nuisance Algae**



**Hazardous  
Waste**



**Water  
Pollution**



**Mining**

[Complaint-Algae@adeq.state.ar.us](mailto:Complaint-Algae@adeq.state.ar.us)

[Complaint-HABs@adeq.state.ar.us](mailto:Complaint-HABs@adeq.state.ar.us)

# Arkansas HAB Workgroup

## RE-CAP

### Major points

- 1) Education - public awareness, public perception, how are we going to disseminate information, advisories, etc.?
  - Citizen Science Monitoring Program, Educational brochure, website
  
- 2) Funding for monitoring - Monitoring is going to be a must, how is this going to be funded/coordinated?
  - Initial ADH and ADEQ monitoring with federal support

# Arkansas HAB Workgroup

## RE-CAP

3) Standards/triggers--What are the triggers that are going to require an alert, advisory, swim beach closure, etc?

- Draft and out for review WHO (2003) values

4) Communication - How are we going to communicate among groups HAB related information?

- Complaint tools for monitoring distribution, occurrence, and frequency
- Contact list to be developed
- Website to host information

# Arkansas HAB Workgroup

## QUESTIONS??



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