

Hello State Drinking Water Administrators;

We are a group of students from Worcester Polytechnic Institute (WPI) working with the Massachusetts Department of Environmental Protection (MassDEP) to address the needs of drinking water suppliers and administrators regarding cyanobacteria contamination of drinking water. This purpose of this survey is to gauge each party's level of understanding of cyanobacteria and to learn about any relevant experiences each party has had with cyanobacteria outbreaks. This study has been approved by WPI's Internal Review Board and any data collected will be kept confidential.

Thank you for your responses,

Cara Berner
Deanna Clark
Samuel Flibbert
Kate Piotrowicz

Name of State: _____

Respondent Name: _____

Phone Number: _____

Email Address: _____

Would you be willing to take part in a follow-up phone interview?

Yes No

SURVEY QUESTIONS

1. On a scale of 1 (least concerned) to 5 (most concerned), how concerned are you about cyanobacteria contamination of drinking water?
1 2 3 4 5 Not aware of issue
2. On a scale of 1 (least confident) to 5 (most confident), how confident are you in your knowledge of cyanobacteria and its related prevention and treatment procedures?
1 2 3 4 5 Not knowledgeable on this issue
3. Is there a monitoring program for cyanobacteria in your state? If yes, could you provide a document/link to a website further describing said program?
Yes No Don't know

For questions 4-12, if multiple noteworthy instances have occurred, please log your responses on the provided Excel spreadsheet.

4. Have any surface water bodies that you oversee experienced significant cyanobacteria blooms? If so, where are these bodies located? If no/don't know, proceed to question 15.
Yes No Don't know
5. Have any of these blooms affected water quality of nearby wells? If no or don't know, continue to question 12.
Yes No Don't know
6. Is this a recurring problem in this location?
Yes No Don't know
7. What was the distance from the toxic surface water bloom to the affected well?
8. What was the pumping rate of the affected well?
9. What was the type of subsurface material?
10. Did the affected well need to be treated and/or taken off-line?
Yes No Don't know
11. If the affected well was taken off-line, what corrective measures were taken before the well was placed back on-line?
12. Did you inform the public about this issue?
Yes No Don't know
13. Could you provide the contact information (name/telephone number/email address) of any water suppliers involved in the above cases who could provide us with any further insight?
14. Which of the following do you think would be effective ways to distribute educational material on cyanobacteria to parties involved in water treatment and distribution? Please make bold all that apply.

Newspaper, website, social media, radio, television, mail, flyer, email, other:_____

Thank you for your participation in this survey.

Please only answer the following questions if you answered no/don't know on question 4.

15. Cyanobacteria flourish under high water temperatures, little to no water flow, neutral to slightly basic pH, and high concentrations of nitrogen and phosphorous. Are there any man-made or naturally occurring factors at play that may prevent bodies of water under your supervision from reaching these conditions?

Yes No Don't know

16. Which of the following do you think would be effective ways to distribute educational material on cyanobacteria to parties involved in water treatment and distribution? Please make bold all that apply.

Newspaper, website, social media, radio, television, mail, flyer, email, other: _____

Thank you for your participation in this survey.