



Chlorate Mitigation Plan

Your water supply system detected Chlorate above the EPA health reference letter (HRL) of 210 ppb during the third Unregulated Contaminant Monitoring Rule (UCMR3) assessment monitoring for public water systems (PWS) serving more than 10,000 persons during 2013 - 2015. Chlorate ion is a known byproduct of drinking water disinfection process when sodium hypochlorite or chlorine dioxide are used. Please review your practices and respond to the following questions and provide any relevant additional information. Click the "Next" button on the bottom of the page to continue or the "Previous" button on the bottom of the page in order to return to a previous page. **Please complete this survey by November 11, 2016.** Thank you!



Public Water Supplier Information

1. Name of City or Town

2. Name of Public Water Supply (PWS)

3. PWS ID #

4. Name of person completing survey

5. Title of person completing survey

6. Contact phone number



7. Does the PWS use sodium hypochlorite?

Yes

No

8. How many treatment facilities or stations feed sodium hypochlorite?

9. Are all treatment facilities online at all times?

Yes

No

Describe briefly:

10. How often does the PWS receive deliveries?

Monthly

As needed

Other (please describe)

11. Does the PWS have bulk tanks?

No

One

Two

Other (please specify)



12. How large are the bulk tanks?

- 500 gallon
- 1000 gallon
- 2000 gallon
- 3000 gallon
- 4000 gallon
- Other (please specify)

13. Does the PWS have day tanks?

- Yes
- No

14. Is it possible to schedule the frequency of delivery to minimize the age of sodium hypochlorite?

- Yes
- No
- Describe briefly:

15. Are the tanks empty at time of delivery?

- Yes
- No

16. If no to Q15, how much hypochlorite is remaining at time of delivery?

17. Is it possible to drain tank completely prior to delivery?

Yes

No

If no, describe why it is not possible

18. How often are the bulk tanks emptied and cleaned?

19. Is it possible to increase the frequency of emptying and cleaning bulk tanks or day tanks?

20. Does the PWS use 55 gallon drums, 15 gallon totes, or other?

55 gallon drums

15 gallon totes

Other (please specify)

21. What is the frequency of delivery of drums or totes?

22. Is it possible to schedule the frequency of delivery to minimize the age of sodium hypochlorite?

23. List other measures the PWS can take to minimize the age of the sodium hypochlorite.

24. Does the PWS require the manufacturer to meet maximum concentration limits for impurities in their delivery as a part of the purchasing specification?

Yes

No

Describe briefly:

25. Does the PWS measure the strength of the sodium hypochlorite at time of delivery?

Yes

No

26. Does the PWS measure the strength of the sodium hypochlorite periodically during use?

Yes

No

27. Does the PWS need additional technical assistance relative to chlorate issues?

Yes

No

28. Additional information or comments:

29. MassDEP encourages PWSs to conduct additional monitoring at sites that exceeded the 210ppb EPA Health Reference Level and after mitigation steps have been taken. Please share sample results and any historical information.