

Testing and Reporting Instructions for the new 2004 Disinfection Byproducts Rule

Click on the instructions that you must follow:

[Quarterly Monitoring for TTHM and HAA5](#)

[Annual Monitoring for TTHM and HAA5](#)

[Quarterly Monitoring for TTHM and HAA5 and TOC
monitoring](#)



New Testing and Reporting for 2004

For Systems Taking One Quarterly Byproduct Sample

Reporting

- Fill out the monthly Disinfection Report at the end of each month. If you use chlorine as a disinfectant, fill out only section I. The first line which says Distribution System Monitoring uses the residuals taken at the sites of your total coliform (bacteriological) samples. The second line which says Entry Point Monitoring uses the results from your daily chlorine residual tests. It must arrive in Nashville by the 10th of the following month. Send it to:
Jeff Bagwell
Division of Water Supply
TN Department of Environment and Conservation
6th Floor, L&C Tower
401 Church Street
Nashville, TN 37243-1549
- After the third month of each quarter (March, June, September and December), complete the Quarterly Disinfection Report. This report uses the results of the chlorine residual tests done at the same time and place as your total coliform (bacteriological) samples. It must arrive in Nashville by the 10th of the month following the end of the quarter. Send it to the address above.

Testing

- Take a free chlorine residual at the same time and location that you take a total coliform (bacteriological) sample. These results will be recorded on the MOR and on the Monthly and Quarterly forms.
- During the second month of each quarter (February, April, August and November), collect a sample for trihalomethane (TTHM) and haloacetic acid (HAA5) and send to your lab. You may wish to take three average residence time samples if you suspect the Max residence time will be high.

MCLs and MRDLs

- For chlorine the MCL is 0.2 mg/l. You should never fall below this level.
- For chlorine the MRDL (Maximum Residual Disinfectant Level) is 4.0 mg/l. Your annual average from the sites tested at the same time and place as total coliform samples should not exceed this level.
- For TTHM the MCL is 0.080 mg/l
- For HAA5 the MCL is 0.060 mg/l



New Testing and Reporting for 2004

For Systems Taking One Annual Byproduct Sample

Reporting

- Fill out the monthly Disinfection Report at the end of each month. If you use chlorine as a disinfectant, fill out only section I. The first line which says Distribution System Monitoring uses the residuals taken at the sites of your total coliform (bacteriological) samples. The second line which says Entry Point Monitoring uses the results from your daily chlorine residual tests. It must arrive in Nashville by the 10th of the following month. Send it to:
Jeff Bagwell
Division of Water Supply
TN Department of Environment and Conservation
6th Floor, L&C Tower
401 Church Street
Nashville, TN 37243-1549
- After the third month of each quarter (March, June, September and December), complete the Quarterly Disinfection Report. This report uses the results of the chlorine residual tests done at the same time and place as your total coliform (bacteriological) samples. It must arrive in Nashville by the 10th of the month following the end of the quarter. Send it to the address above.

Testing

- Take a free chlorine residual at the same time and location that you take a total coliform (bacteriological) sample. These results will be recorded on the MOR and on the Monthly and Quarterly forms.
- During the warmest month (Jackson EAC says August), collect a sample for trihalomethane (TTHM) and haloacetic acid (HAA5) and send to your lab. You may wish to take three average residence time samples if you suspect the Max residence time will be high.

MCLs and MRDLs

- For chlorine the MCL is 0.2 mg/l. You should never fall below this level.
- For chlorine the MRDL (Maximum Residual Disinfectant Level) is 4.0 mg/l. Your annual average from the sites tested at the same time and place as total coliform samples should not exceed this level.
- For TTHM the MCL is 0.080 mg/l
- For HAA5 the MCL is 0.060 mg/l



New Testing and Reporting for 2004

For Systems Taking One Quarterly Byproduct Sample and TOC Samples

Reporting

- Fill out the monthly Disinfection Report at the end of each month. If you use chlorine as a disinfectant, fill out only section I. The first line which says Distribution System Monitoring uses the residuals taken at the sites of your total coliform (bacteriological) samples. The second line which says Entry Point Monitoring uses the results from your continuous free chlorine monitor. It must arrive in Nashville by the 10th of the following month. Send it to:
Jeff Bagwell
Division of Water Supply
TN Department of Environment and Conservation
6th Floor, L&C Tower
401 Church Street
Nashville, TN 37243-1549
- After the third month of each quarter (March, June, September and December), complete the Quarterly Disinfection Report. This report uses the results of the chlorine residual tests done at the same time and place as your total coliform (bacteriological) samples. It must arrive in Nashville by the 10th of the month following the end of the quarter. Send it to the address above.
- Fill out a TOC report and send it to the above address each month.

Testing

- Take a free chlorine residual at the same time and location that you take a total coliform (bacteriological) sample. These results will be recorded on the MOR and on the Monthly and Quarterly forms.
- During the second month of each quarter (February, April, August and November), collect a sample for trihalomethane (TTHM) an haloacetic acid (HAA5) and send to your lab.
- Monthly, take a source water sample and run an alkalinity test and record the results. Take a source water sample for TOC and send to your lab. Wait the amount of time it takes water to make it through your plant and then take a finished water TOC sample to send to your lab. This should be done early enough to get the results back in time for reporting at the end of the month.

MCLs and MRDLs

- For chlorine the MCL is 0.2 mg/l. You should never fall below this level.
- For chlorine the MRDL (Maximum Residual Disinfectant Level) is 4.0 mg/l. Your annual average from the sites tested at the same time and place as total coliform samples should not exceed this level.
- For TTHM the MCL is 0.080 mg/l
- For HAA5 the MCL is 0.060 mg/l
- To determine TOC compliance, refer to your plan. Don't forget that you may meet one of the Alternative Compliance Criteria.

