

Stage 2 DBPR Compliance Monitoring Plan
VERMONT DRINKING WATER & GROUNDWATER PROTECTION DIVISION DIGITAL FORM

PWS Information:

Date Submitted: _____

WSID: _____

Water System Name: _____

Water System 911 Street Address: _____

City: _____

State: _____

Zip: _____

Total Population Served By System: _____

System Type:

Source Water Type:

Buying/Selling Relationship:

Community Water System

Subpart H (Surface Water)

Consecutive (purchasing) System...Connected To WSID: _____

NTNC Water System

Ground Water

Wholesale (seller) System

Neither (system supplies its own water)

Residual Disinfectant Type: Chlorine

Chloramines

Other (please stipulate: _____)

Number of Disinfected Sources: _____ Surface

_____ GWUDI

_____ Groundwater

_____ Purchased

Name of Person Completing this Plan: _____

Title of Plan Preparer: _____

Phone Number: _____

E-Mail Address: _____

Projected Sampling Date (month/year)*

| Site Type | Site Location & Justification | Period 1 | Period 2 | Period 3 | Period 4 |
|---|--|-----------------|-----------------|-----------------|-----------------|
| <input type="checkbox"/> Highest TTHM <input type="checkbox"/> Highest HAA5 <input type="checkbox"/> Stage 1 DBPR <input type="checkbox"/> Other | Location (Residence Name, 911 Address): | Not monitoring | Not monitoring | Not monitoring | Not monitoring |
| | Justification for Selection: | Month / Year | Month / Year | Month / Year | Month / Year |
| <input type="checkbox"/> Highest TTHM <input type="checkbox"/> Highest HAA5 <input type="checkbox"/> Stage 1 DBPR <input type="checkbox"/> Other | Location (Residence Name, 911 Address): | Not monitoring | Not monitoring | Not monitoring | Not monitoring |
| | Justification for Selection: | Month / Year | Month / Year | Month / Year | Month / Year |

* Period = monitoring period. Complete for the number of monitoring periods required for your system (annual or quarterly)

NOTE: For systems monitoring on an annual basis, you will most likely begin Stage 2 compliance monitoring in August (Period 3), 2014.

Compliance Calculation Procedures:

- Monitor yearly, compliance calculated as sample result for each analyte < MCL for each location
- Monitor quarterly, compliance calculated as $LRAA = (Q1+Q2+Q3+Q4)/4 < MCL$ for each location
- Monitor more frequently than quarterly. Compliance will be calculated as follows:

Combined Distribution System Information:

- This PWS is part of a combined distribution system (PARENT WSID: VT_____)

If checked: Monitoring requirements have been reduced by the State and monitoring plans for other systems are attached.

PLEASE save this completed digital form first to your computer's hard drive and then submit it as a file attachment e-mailed to the following address:

doug.kievit-kylar@state.vt.us

IMPORTANT: PLEASE attach also a distribution system schematic with ALL selected monitoring location(s) clearly labeled.

Compliance Calculation Procedure: Stage 2 Compliance Monitoring on an Annual Basis

- Compliance is calculated by making a comparison of each sample against the MCL for each analyte (TTHM and HAA5) at each location:

Each sample result must be < MCL for each location

While I am monitoring DBPs on an annual basis...

- Compliance is based on the value of the yearly samples at each location.
- I will make compliance calculations beginning with the first compliance sample taken after the compliance date.
- If any sample exceeds the MCL, I understand that I am not immediately in violation. I must begin increased monitoring immediately (monitor quarterly at each location).
- If any sample exceeds the MCL and I am on reduced monitoring, I must begin increased monitoring immediately (monitor quarterly at each location).
- I understand that failure to monitor will be treated as a monitoring violation for the entire period covered by a locational running annual average compliance calculation for the Stage 2 MCLs.

Compliance Calculation Procedure: Stage 2 Compliance Monitoring on a Quarterly Basis

- Compliance is calculated by making a comparison of the Locational Running Annual Average (LRAA) against the MCL for each analyte (TTHM and HAA5):

$LRAA = (Q1+Q2+Q3+Q4)/4$ must be < MCL for each location

While I am monitoring on a quarterly basis...

- Compliance is based on the LRAA of monitoring results, calculated quarterly.
- I will make compliance calculations beginning with the end of the fourth quarter of monitoring and continue calculations after each quarter.
- If I fail to complete four consecutive quarters of monitoring, I must calculate compliance with the MCL based on the average of the available data from the most recent four quarters.
- If I take more than one sample per quarter at a monitoring location, I must average all samples taken in the quarter at that location to determine a quarterly average to be used in the LRAA calculation.
- If the LRAA at any location exceeds the MCL, I am in violation.
I understand that failure to monitor will be treated as a monitoring violation for the entire period covered by a locational running annual average compliance calculation for the Stage 2 MCLs.