

**Vermont Department of Environmental Conservation  
Water Supply Division**

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[www.vermontdrinkingwater.org](http://www.vermontdrinkingwater.org)

December 22, 2009

*Agency of Natural Resources*

**\*\*\* NEW MONITORING SCHEDULE 2010-2011 \*\*\***

Dear Water Supplier:

Enclosed is your new monitoring schedule. The schedule reflects your previous sampling, any waivers that were granted/denied/revoked, and any reduced or increased monitoring requirements. The schedule lists monitoring requirements for calendar years 2010 and 2011. For calendar year 2010, you are **required** to monitor for each of the chemical groups/contaminants listed on the 2010 schedule. The requirements for the second year are provided only to help you **plan and budget** for monitoring in 2011. Please do not use the 2011 schedule for monitoring in 2011, because your monitoring requirements may change before then and we will send you a new 2011 monitoring schedule in December of 2010.

**Please note that all monitoring must be completed by the end of each designated monitoring period on your schedule (month, quarter, 6 month period) or the Water Supply Division will issue a Notice of Alleged Violation (NOAV) requiring the water system to notify the public of the failure to monitor. We highly recommend that you sample early in the designated monitoring period so that you have sufficient time to resample if bottles are lost in transit, lab issues occur, etc.**

All sampling analyses must be conducted by a Laboratory Certified by the Vermont Department of Health for drinking water analysis. You may access the certified lab list at the Department of Health's website at [http://healthvermont.gov/enviro/ph\\_lab/documents/certified\\_labs.pdf](http://healthvermont.gov/enviro/ph_lab/documents/certified_labs.pdf) . **Please remember, regardless of whether a lab submits test results to our office, it is the responsibility of the water system to report the results to the Water Supply Division.**

**Monitoring Schedule Details: Please remember to include the Facility ID and Sample Point ID with your samples when these fields are available on your lab's chain of custody forms.** The sampling schedules can also be found on our website at <http://www.vermontdrinkingwater.org> . The schedules on our website will be updated every quarter to reflect any changes in your schedule and sampling points.

Following is sampling information for the different types of contaminants:

**Distribution Monitoring**

Total Coliform samples are required to be taken in the distribution system at locations that have been previously approved in your Bacteriological Sampling Plan. When disinfecting, systems must also measure and record free chlorine residual (or total residual if free is not detectable) at the same time and location as Total Coliform samples. These results must be reported on your field sheets that are sent to the lab along with sample(s) to be analyzed.

Lead and Copper samples are required to be taken in the distribution system at locations that have been previously approved in your Lead and Copper Sampling Plan. These locations are identified by the system as being most susceptible to lead and copper contamination. The Lead and Copper Rule identifies both the facility and the associated distribution system from which samples must be drawn. All Lead and Copper samples must be taken as first-draw tap samples which have stood motionless in the plumbing system for at least 6 hours. To update your lead and copper plan and/or to receive a set of sampling protocols that can be distributed to assist those collecting samples, please contact the lead and copper rule manager.

Revisions and clarification to the Lead and Copper Rule became effective on December 10, 2009. Included is a new requirement that within 30 days of learning the results, all systems must provide individual lead tap results to people who receive water from sites that were sampled, regardless of whether the results exceed the lead action level. Links to information about these rule revisions can be found on our website.

Stage 1 Disinfection By-Products (DBP) samples are required to be taken in the distribution system at locations previously approved in your DBP Sampling Plan. Systems are required to collect samples at a location of maximum residence time (where the water tends to sit in distribution for the longest time). These samples are analyzed for Total Haloacetic Acids (HAA5) and Total Trihalomethanes (TTHM).

Stage 2 Disinfection By-Products (DBP) Initial Distribution System Evaluation (IDSE) : For all systems required to complete an IDSE, data collection should be completed or nearly completed and IDSE reports will soon come due. For systems serving 10,000 to 49,999 people the IDSE report is due to the Vermont Water Supply Division by January 1, 2010. For systems serving less than 10,000 people the IDSE report is due by July 1, 2010. Compliance monitoring for all systems subject to the Stage 2 DBP Rule will begin October 1, 2013. Form 7: IDSE Report for Standard Monitoring can also be obtained on our website.

### **Finished Water Monitoring**

Chemical and Radionuclide samples are required to be taken at each entry point to the distribution system. This sample point is after any treatment and storage that your system may have and prior to the distribution system. If you do not have any treatment at your system, this sample should be taken prior to the distribution system. Some systems without a sampling tap prior to distribution may be taking entry point samples at the first tap. Please see your schedule for the sample point location specifics for your system.

### **Raw Water Monitoring**

Long Term 2 (LT2) Enhanced Surface Water Treatment Rule (ESWTR): Water Systems that use surface water or groundwater under the direct influence of surface water (GWUDI) are subject to the Long Term 2 Enhanced Surface Water Rule. As such, they were/are required to monitor for turbidity, E. coli, or Cryptosporidium. The requirements of the LT2 ESWTR for the year 2010 for affected systems differ according to the size of the system. Contact the rule manager if you have questions concerning your system.

Groundwater Rule: On December 1, 2009 the Groundwater became effective. Source water monitoring is now required if total coliform is present in the distribution system. In 2008 the Water Supply Division sent a letter to all affected systems (groundwater and surface water systems that feed groundwater directly to the distribution system) which required systems to install a raw groundwater sampling tap. If not already done, please ensure that your system installs a raw water sampling tap.

The groundwater monthly report form has been revised and can be obtained on our website.

If you have any questions or need assistance please call us at 1-800-823-6500. The following are your Water Supply Division contacts regarding specific rule monitoring:

Total Coliform, chlorine residual & Groundwater Rule:	Matt Guerino (241-3415)
Lead and Copper, Stage 2 DBPs, LT2:	Doug Kievit-Kylar (241-3422)
Stage 1 DBPs, Chemical/Rads:	Billy Kahn (241-3423)

Sincerely,



Billy Kahn,  
Compliance Coordinator

C: Water System Operator  
Enclosure: monitoring schedule