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<https://www.nj.gov/dep/watersupply/>

CATHERINE R. McCABE
Commissioner

November 7, 2018

RE: *NEW MONITORING REQUIREMENTS FOR PERFLUORONONANOIC ACID (PFNA), 1,2,3-TRICHLOROPROPANE (1,2,3-TCP) AND RADIOLOGICALS*

Dear

The Bureau of Safe Drinking Water (Bureau) is notifying you of new monitoring requirements that will take effect beginning January 1, 2019 resulting from amendments to the New Jersey Safe Drinking Water Act rules at N.J.A.C. 7:10-5.2 that became effective September 4, 2018. In addition to establishing new Maximum Contaminant Levels (MCLs) and monitoring requirements for perfluorononanoic acid (PFNA) and 1,2,3-trichloropropane (1,2,3-TCP), the amendments require public nontransient noncommunity (NTNC) water systems comply with the existing Federal MCLs and monitoring requirements for radionuclides.

Please be advised that Synthetic Organic Chemical (SOC) waivers for the 2017-2019 compliance cycle will no longer include ethylene dibromide (EDB) or 1,2-dibromo-3-chloropropane (DBCP); therefore, EDB and DCBP will need to be monitored concurrent with 1,2,3 TCP. Additional information regarding SOC waivers will be forthcoming as a separate correspondence.

Therefore, as a public NTNC water system, you are now required to monitor as indicated below:

Analyte	Frequency	Location	Beginning	MCL
PFNA*	Quarterly	All points of entry	1 st Quarter 2019	0.013 ug/L**
1,2,3-TCP EDB DBCP	Quarterly	All points of entry	1 st Quarter 2019	0.030 ug/L 0.05 ug/L 0.2 ug/L
gross alpha particle activity (including radium-226 but excluding radon and uranium)	Quarterly	All points of entry	1 st Quarter 2019	15 pCi/L***
combined radium-226 and radium-228	Quarterly	All points of entry	1 st Quarter 2019	5 pCi/L
Uranium	Quarterly	All points of entry	1 st Quarter 2019	30 ug/L

* The analytical method for PFNA can also detect perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS). The NJ Drinking Water Quality Institute evaluated these two chemicals and provided the Department with recommended MCLs. If the Department proceeds with adopting MCLs for PFOA and PFOS, results submitted for these contaminants may be evaluated as "grandfathered data" and used to reduce your monitoring frequency in the future. For this reason, when monitoring for PFNA, your water system is encouraged to report any additional perfluorinated chemicals monitored at any of your treatment plants and/or sources.

** ug/L = micrograms per liter

***pCi/L = picocuries per liter

Monitoring results must be submitted electronically to the Bureau by the 10th day following the end of the month in which the sample was collected. **Please notify your laboratory of your new monitoring requirements.** A list of certified laboratories can be obtained from the Department's Data Miner site located at <https://www13.state.nj.us/DataMiner>. Search by "Category" and select, "Certified Laboratories" from the dropdown menu.

Important information about PFNA analysis: The method used to analyze for PFNA in drinking water must certified by the NJDEP Office of Quality Assurance (OQA). The laboratory selected must 1) be certified for a PFNA method with a drinking water matrix, 2) be able to report sample results to a minimum detection limit (DL) of 0.002 ug/L and 3) be able to demonstrate a Minimum Reporting Level as defined in EPA 537 Version 1.1 of 0.005 ug/L or less.

Important information about 1,2,3-TCP analysis: The method used to analyze for 1,2,3-TCP in drinking water must certified by the NJDEP OQA. At this time, EPA Methods 504.1, 551.1 and 524.3 are the only OQA certified methods allowed for the analysis of 1,2,3-TCP in regulatory drinking water samples. Note that EPA Method 524.2, a method for the analysis of Volatile Organic Chemicals, is OQA certified for the analysis of 1,2,3-TCP in drinking water, however, EPA Method 524.2 does not have the sensitivity necessary for reporting 1,2,3-TCP compliance data and therefore cannot be used to satisfy the new monitoring and reporting requirements for 1,2,3-TCP. The laboratory must also 1) be able to report to a DL of 0.010 ug/L and 2) the lowest calibration standard cannot be higher than 0.020 ug/L.

Compliance with the MCLs will be based on a running annual average of four quarters of results. After four (4) consecutive quarters of monitoring, public water systems may apply to the Bureau for a monitoring requirement reduction. Monitoring reductions should be submitted directly to your Bureau County Manager at the above letterhead address. Note that monitoring reductions are NOT automatically granted, and quarterly monitoring is required until you receive notice that monitoring may be reduced.

Monitoring schedules are available on the Bureau's Drinking Water Watch application, located at https://www9.state.nj.us/DEP_WaterWatch_public/index.jsp If you have any questions regarding the new monitoring requirements or your new monitoring schedule, please do not hesitate to contact your Bureau County Manager at (609) 292-5550.

Sincerely,

A handwritten signature in black ink that reads "felicia fieo". The signature is written in a cursive, lowercase style.

Felicia Fieo, Section Chief
Bureau of Safe Drinking Water