

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau E
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November 5, 2019

Mr. George Green, Supervisor
Town of New Windsor
555 Union Avenue
New Windsor, New York 12553

Re: New Windsor Public Water Supply Well Sample Results
Butterhill Wells, New Windsor (T), Orange County

Dear Supervisor Green,

The New York State Department of Environmental Conservation (DEC) is providing you with a copy of the analytical results derived from October 11, 2019 clearance sampling of the temporary granular activated carbon (GAC) water treatment system recently installed by the DEC at the Town of New Windsor (Town) Butterhill Well Field located at 181 Forge Hill Road.

Samples from pre-treated water taken before the GAC system and post-treated water taken after the GAC system have been collected and analyzed to ensure that if Polyfluoroalkyl substances (PFAS), in particular Perfluorooctanesulfonic acid (PFOS) and Perfluorooctanoic acid (PFOA), are present in the untreated water it has been effectively removed. **The DEC, in partnership with the New York State Department of Health (DOH), has evaluated the clearance sample results and determined that the GAC system is working effectively.**

The samples were analyzed for a total of twenty-one per- and polyfluoroalkyl substances (PFAS), including Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonic acid (PFOS).

During this event, sampling was conducted at four locations:

- pre-treatment (raw untreated water), which has a "BHPRE" identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 1), which has a "BHTRAIN1POST" identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 2), which has a "BHTRAIN2POST" identifier in the Client Sample ID; and
- post-treatment (after the GAC Pair Train 3), which has a "BHTRAIN3POST" identifier in the Client Sample ID.

The four locations sampled (and their associated identifiers) are depicted in Figure 1.

While testing for PFOS and PFOA was the primary goal, the DEC also tested for other possible compounds that may be found in the Butterhill Well water. Specifically, at the request of the New York State Department of Health (DOH), analysis for DOH Part 5, Subpart 5-1 compounds was included during this round. Moving forward, it is currently anticipated that water samples will be analyzed on a monthly basis for PFAS only, unless otherwise directed by DOH.

If you have any technical questions regarding the analytical results or on the operation and performance of the GAC treatment system, please feel free to contact me or Dana Bryant, Senior Water Engineer - Arcadis (DEC's Project Engineer) at (518) 250-7347) or dana.bryant@arcadis.com. For questions regarding site-related health concerns, please contact Steve Gagnon of the Orange County DOH at (845) 291-2331 or Steve Gladding of the NYSDOH Bureau of Water Supply Protection at (518) 402-7650; email: steven.gladding@health.ny.gov .

Sincerely,



David J. Chiusano
Environmental Engineer/Project Manager
Remedial Section A, Remedial Bureau E
Division of Environmental Remediation

Enclosures

ec: w/enclosures
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J. Egitto, Town of New Windsor
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