

From: Rassil Sayess <re232@cornell.edu>
Sent: Wednesday, April 14, 2021 3:14 PM
To: foil <foil@ecwa.org>
Subject: [EXTERNAL] Water Quality Data

Dear Mr. McCracken,

I am hoping to put together a project for an intern at the New York State Water Resources Institute (NYSWRI) this summer on predicting regulated DBPs in the distribution system through the use of routinely measured water quality parameters. We have successfully done a similar project for a water utility in Albany County and would like to expand on this effort. All this information will not be shared with the public without explicit approval from Erie County Water Authority.

If possible, may I please put in a request to gather data for a period of 5 years (2016-2020) that includes the following:

1. Daily **raw and treated water** data that include: **temperature, pH, turbidity**, and if possible **total organic carbon (TOC) and dissolved organic carbon (DOC)**. If the last two are only measured on a monthly basis, then monthly values for TOC and DOC.
2. Quarterly results for individual **regulated disinfection by-products in some points in the distribution system** including:
 - a. **4 trihalomethanes**: Bromoform, chloroform, bromodichloromethane, chlorodibromomethane
 - b. **5 haloacetic acids**: monochloroacetic acid, dichloroacetic acid, trichloroacetic acid, monobromoacetic acid, dibromoacetic acid
3. Quarterly results for the **chlorine residual in the same points in the distribution system as the DBP analysis.**

If you need any more information from me, please let me know.

Thank you,
 Rassil

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