



## Department of Health

KATHY HOCHUL  
Governor

MARY T. BASSETT, M.D., M.P.H.  
Commissioner

KRISTIN M. PROUD  
Acting Executive Deputy

December 5, 2022

Evera Clary  
Salem Town Supervisor  
PO Box 575, 214 Main Street  
Salem, NY 12865

RE: Salem Water Department, PWSID# NY5730106  
Sanitary Survey 2022

Dear Ms. Clary,

On October 18, 2022, Zachary Monroe and I conducted a sanitary survey of the Salem Water Department's system as representatives of the Glens Falls District Office. The Salem WD was represented by Travis Keys, highway superintendent and operator, and Eric Rogers, designated operator.

The system consists of three active wells. Wells one and two are used on an alternating daily basis. Well three is used only as an emergency back-up, blended with either well one or well two as needed. Well three is not currently used as a primary well due to historical high manganese results and resulting maximum contaminant limits (MCL) violations. The third quarter 2022 sample results for well three were 0.509 mg/L for iron and 0.466 mg/L for manganese. Comparatively, finished water samples for the same period were 0.0512 mg/L for iron and 0.0886 mg/L for manganese.

Water from the wells is treated with an orthophosphate corrosion inhibitor and disinfected with chlorine. Finished water is pumped to a 300,000-gallon storage tank, and then gravity fed to the distribution system. The system currently has 314 service connections serving approximately 915 people, with an average day demand of 40,000 gpd and a maximum day demand of 65,000 gpd.

### **Observations from Survey:**

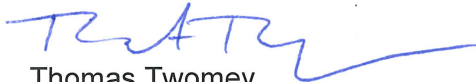
- No violations were observed during the survey.
- Operators inquired about the possibility of utilizing well three in the daily rotation. As system demands are met by wells one and two, well three will remain as an emergency backup source, to be blended with either well one or well two when used.

- During the survey it was noted that the supplier of orthophosphate (Slack Chemical) is discontinuing the product currently used by the Salem WD. Salem is evaluating using an alternative product offered by Slack or switching to another supplier and orthophosphate product. Submit the technical specifications and MSDS for the new product to this office.
- At the time of inspection, Salem WD is considering installing concrete pads adjacent to wells one, two, and three to provide a working platform during well cleanings. Submit a proposal for review to this office.
- It was noted that the 300,000-gallon storage tank was inspected in 2022. Submit a copy of the inspection report to this office.
- The Water District has submitted a statement indicating no lead service lines exist in the distribution system. Under the revised lead and copper rule promulgated in Oct 2022, water systems are required develop inventories on all service line material within distribution systems. Our office is still evaluating the requirements of the new rule and will provide guidance if other items are needed regarding Salem's service line inventory.

I would like to express my gratitude for the time and assistance that Travis and Eric provided during the survey.

Please contact me at [thomas.twomey@health.ny.gov](mailto:thomas.twomey@health.ny.gov) or 518-793-3893 if you have any questions. Thank you.

Sincerely,



Thomas Twomey  
Engineer Trainee

c: Rebecca Bussert, NYSDOH  
Dan MacElrath, NYSDOH  
Zachary Monroe, NYSDOH  
Travis Keys, Salem Highway Superintendent  
Eric Rogers, Designated Operator