



# Columbia County Department of Health

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John J. Mabb, MA  
Public Health Director

August 16, 2023

Ms. Kathleen Eldridge  
Greenport Town Hall  
Town Hall Drive  
Hudson, NY 12534

Re: Public Water Supply  
Annual Inspection  
Greenport Town

Dear Ms. Eldridge:

This letter acknowledges the annual inspection of the Greenport Water Supply, by Health Department personnel accompanied by James Rutkey, Chief Water Operator and Fred Fuchs, Foreman on August 15, 2023.

## General Background

The main source of water is obtained from four (4)-drilled wells located on a 6-acre parcel of land west of Route 9 along Kashway Creek, known as the South Wells. The wells are approximately 300 feet in depth and produce approximately 1750 gallons per minute (GPM) when all 4 wells are activated. The total well field capacity is estimated at 1.7 Million Gallons Per Day (MGD). The capacity of the recently upgraded transfer pumps are estimated at 900 GPM to distribution, however flows are still maintained at 700 GPM and are looking to increase flows to 750 GPM. All of the wells with the exception of Well # 1 extend above grade and contain pit less units.

The wells are turned on in sequence and pump water into a 10,000-gallon open concrete chamber and disinfected via gas chlorination. Alternating low-level pumps transfer the water through the distribution system and to the two million-gallon bubble tank located east of Route 9, the Joslen Boulevard tank (170,000 gallons) and the Ravish Road tank (1.3 million gallons).

Mount Ida, a source located in North Claverack along Route 9H on 65 acres, had been upgraded to serve the County Commerce Park and several other users in the vicinity of the Commerce Park. Although utilized primarily as an independent system, this supply is interconnected to Greenport's main supply so that either supply can be utilized in the event of an emergency.

The Greenport Public Water Supply produces water through 1250 service connections that serve a population of approximately 4,050 people. The average daily demand is estimated to range between 600,000 to 650,000 gallons per day (GPD).

Mount Ida's Water Supply produces water through 19 service connections to a population of 485 people. The average daily demand is estimated at approximately 35,000 GPD.

The town has a senior chief operator, James Rutkey, Foreman, Fred Fuchs certified Grades 2B and D and assistant operators, Henry Wright, and Eric Roice who are also certified Grades 2B and D and Steve Bowe who is seeking to become certified Grades 2B and D.

### Water Quality (South Wells & Mount Ida)

Monthly bacteriological samples collected by you and quarterly bacteriological samples collected by our department have been of satisfactory sanitary quality.

### Improvements/Findings

#### South Wells

The following long term improvements anticipated in the future for this public water supply consists of the following:

1. A new supervisory control and data acquisition (SCADA) system has been installed for monitoring and operating the water system.
2. The town is working on obtaining grant monies to complete distribution system work on sections of Route 9 including the section of main from the south wells to Route 9.
3. Several distribution system improvements have been completed along Kline Street, Charles Street and Joslen Boulevard with 12 inch diameter water installed.
4. The Joslen Boulevard Storage Tank (presently under repair) and has been repainted. The Atlas Tank (located in the Quarry) has been repaired and repainted.
5. Several pump house improvements have been completed including repair of the roof, the discharge piping into the open concrete chamber has been replaced and a transparent cover (such as Plexiglas material) will eventually be fitted over the chamber. In addition, the section of the pump house containing the gas chlorination system will be rebuilt and expanded for additional space to enhance maintenance and operability.

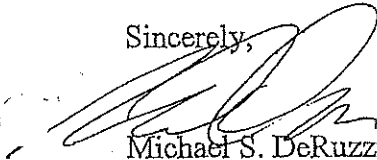
#### Mount Ida

1. The most recent pump house improvements consisted of the replacement of one of the domestic booster pumps along with a new foot and check valve to provide to preclude surge hammer when the pump(s) shut off.
2. The county is pursuing a grant application for the construction of a storage tank to serve the Commerce Park with the design to commence this fall.

In closing, we thank Mr. Rutkey, Mr. Fuchs and the town for being conscientious and diligent in operating and maintaining the water supply facilities in a satisfactory manner.

If you should have any further questions regarding this matter, please feel free to call me at 828-7011 ext. 2112.

Sincerely,



Michael S. DeRuzzio, P.E.  
Environmental Health Engineer

cc: James Rutkey, Senior Chief Operator  
Amy Schober, CCDOH

Attachment