

**SCHENECTADY COUNTY PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH UNIT
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Joanne Cocozoli, Public Health Director



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Environmental Health Unit*

March 15, 2013

Mayor Sally Burns & Members
of the Village Board
Main Street – P.O. Box 235
Delanson, New York 12053

RE: Public Water Supply Sanitary Survey
Delanson Village, Schenectady County
PWS ID: NY 4600064

Dear Mayor Burns and Board Members:

A sanitary survey at the Delanson Public Water Supply was initiated by Schenectady County Health Department representatives on March 12, 2013 in the company of Mayor Burns and Jeff Iveson, Village Water Commissioner. The following includes an outline of system specifics along with presentation of survey findings and recommendations.

Description of the Delanson Public Water Supply

The sources of water supply remain as two surface water reservoirs, the Duanesburg (upper) reservoir located on Lake Road in the Town of Duanesburg and the Delanson (lower) reservoir located along to Route 395 adjacent to the water treatment plant. Capacities of these reservoirs are 32 MG and 28 MG, respectively. The upper reservoir gravity feeds the lower reservoir (via overland flow to the MacMillan well and piped flow thereafter). The lower reservoir normally gravity feeds the treatment plant. Water from the lower reservoir can also be ‘pump fed’ to the treatment plant should the lower reservoir level fall below that necessary to provide sufficient head for gravity feed. Water treatment consists of slow sand filtration (design capacity of 80,000 gpd), corrosion control (zinc orthophosphate) and disinfection via a newly installed Ultra Violet system (primary barrier) and the addition of sodium hypochlorite (secondary barrier). Treated water storage is provided by a three bay concrete clear well with a capacity of 100,000 gallons.

The treatment plant produces an average of 36,000 gallons per day to serve an approximate Village population of 385 and the Duanesburg High School.

Survey Findings and Recommendations

1. Recent TTHM/HAA5 analytical data from 2012 monitoring has resulted in an annual average exceeding the Maximum Contaminant Level (MCL) for the majority of the year. The first quarter sample of 2013 has dropped the annual running average below the MCL. You should continue to work with Lamotte

Engineering to follow the time table of compliance created in 2010 to try and resolve the TTHM/HAA5 issue.

2. Discussion during the sanitary survey arose concerning the repair or replacement of the McMillen well that was damaged during Hurricane Irene in August of 2011. The Village has been working with FEMA and other State and Federal agencies to find funding to repair the damage from the hurricane. Discussions during this visit revealed that repair work would be completed during 2013.
3. The earlier held public meeting, aimed at educating impacted water customers to the importance of cross connection control, was reported well attended and well received. Cross Connection Control Program development continues, subject to staff availability. All suspect customers (funeral home, high school, etc..) currently have backflow prevention and submit testing records to the Village for review.
4. A '*Very Small System Waiver*' has been granted to the Village of Delanson specific to the Stage 2 sampling requirements. Development of an Initial Distribution System Evaluation (IDSE) will not be necessary, but future sampling (water quality monitoring) will be required when Stage 2, Schedule 4 requirements become effective October 1, 2013. We will alert you to any and all updates in this regard.
5. Currently, Water Commissioner Jeff Iveson has a Grade IIA, Small System Filtration and Grade D, Distribution System Operator certification which will expire on 8/13/2013. Mr. Steve Micheli, Assistant Operator has Grade IIA Small System Filtration certification also and his certification will expire on 5/31/2014. Thank you for your cooperation.
6. Water sampling for bacteriological analysis was conducted by Health Department staff in conjunction with the survey on March 13, 2012. Analytical results indicated the water to be of satisfactory sanitary quality at the time sampling was conducted. A copy of the sample result is attached for your records.

This completes the survey findings and recommendations.

We would like to express our appreciation for your cooperation and assistance during the survey.

Please feel free to call this office at 386-2818 should you have any questions.

Sincerely,

Jack Frame
Sr. Public Health Sanitarian

Attachments

cc: Mr. Iveson, Water Commissioner, Main Street, Box 235, Delanson, New York 12053
Delanson file