
TOWN OF LA FAYETTE
2577 ROUTE 11
P.O. BOX 193
LA FAYETTE, N.Y. 13084



PHONE: 315-677-3674
FAX: 315-677-7806
WWW.TOWNOFLAFAYETTE.COM

To: Hamlet of Cardiff, NY Water District Members

January 4, 2023

First, I Wish everyone a great New Year in 2023 and I hope to continue the progress with the Cardiff Water District that has been achieved during this past year.

My letter and the Onondaga County Water Authority (OCWA) reports will serve as the first annual update to you on your water district. The Town and our consultants will continue to serve you while attempting to find a long-term solution to your water needs.

The Town took the following actions during Year 2022 in order to provide better service, study potential permanent well sites, and investigate a long-term water source to possibly replace Tookes Spring.

1. December 26, 2021: OCWA began service and oversight of the Cardiff Water District.
2. \$304,600 was placed in the Cardiff Water District Account, managed by the Town of LaFayette as part of the Honeywell settlement.
3. The Town agreed to pay for the 28 homes / business quarterly water fees from OCWA: an average of \$435 per quarter taken from the Cardiff Water District Funds. 2023 final cost estimated at \$1746.
4. The Town commissioned a hydrogeologic study as part of our study to determine if there were water tables available to support a Cardiff Hamlet / Hamlet of LaFayette self-serving water department. Study cost: \$25,000.
5. The Town partnered with Shute Water to investigate water sources and one recommendation is the former Cardiff Fire Department well. The Town has discussed this option with the LaFayette Fire Department and received approval to move ahead to investigate the water quality and rate of flow.
6. The Town requested OCWA to investigate, report, and repair the current water treatment system. OCWA's report is attached.
7. The Town of LaFayette requested OCWA to install the Supervisory Control and Data Acquisition (SCADA) system to the water treatment system in order to reduce cost, visits to the site, and to identify leaks / problems from the OCWA central reporting office. This effort identified two water leaks during off-duty time and the repairs were made without loss of water service. SCADA cost was \$25,000 but was co-shared with the Route 11A Water District. Each district paid \$12,500.

8. The Town requested OCWA to perform an on-site visit of the Tookes Spring and its shelter. Their report is attached along with a photo of the interior of the spring site.
9. The current Cardiff Water District account sum total as of today is: \$235,161.81. This total also includes expenditures of \$561.22 for the treatment system electric bill. Interest earned as of today is: \$2,655.32.

Where do we go from here? The Town Water engineering water consultant, Barton & Liguidice (B&L) Engineering along with a newly hired OCWA water consultant will now begin the process of narrowing down the choices that may provide a long-term solution to providing water to you other than Tookes Spring.

B&L will provide a short update on three possibilities that could replace Tookes Spring and to complete it well before the 10-Year contract expires in Year 2031.

This presentation will be given at the January 10, 2023 Town Board meeting. This meeting begins at 6:30 PM however, the annual Town Organizational meeting with refreshments for all in attendance begins from 5 – 6:30 PM. You are of course invited to partake in the gathering!

I encourage you to reach out to me at any time to discuss any aspect in this journey. Your voices will need to be heard on what direction(s) we go in the future to serve you.

Thank you for “listening” and I hope to see you all on Tuesday!



Bill McConnell
315-391-8167
Wmmc4@aol.com



CARDIFF WATER SYSTEM (TOOKE'S SPRING) OPERATIONAL ACTIVITIES AND STATUS NOVEMBER, 2022

OCWA began operating the Cardiff Water System (Tooke's spring) on December 23, 2021. The treatment facility which consists of filters, ultraviolet (UV) treatment equipment and chlorine treatment required significant maintenance and replacement of components to bring it back to being fully functional. We had to replace the UV units, serviced the chlorine monitoring system, rebuild the chlorine feed pump, repaired pipes, and repaired the heater. The backup electrical generator was not operational and required repair as well. The repairs were made in the first few months of operation and the system is functioning well now.

The health department requires that the facility be monitored every day. Initially this required us to make daily in-person visits to check the operation of the treatment system. We installed a computer monitoring and radio system that collects and sends data back to our operations center in North Syracuse. There we have an operator working 24 hours per day, seven days per week. The operator monitors our entire water system and the Cardiff system as well. The operators monitor the functionality of the UV and chlorination systems as well as the water flow rate. If a problem is noticed they will send an operator to the site to troubleshoot and make repairs. This monitoring system has allowed us to reduce our visits to the site to three days per week, saving the community money. If customers notice an issue that isn't found by one of our operators you can call the above number 24 hours per day.

In September we inspected the spring house and found it to be in good condition with no work being required. The spring house consists of a gravel/sand bottom with stone foundation walls and a steel cover. There was a slight amount of silt on the bottom of the spring which caused no issues. Water was flowing well to the treatment system and excess water was flowing through an overflow pipe. The water quality has been good and the water flow from the spring has met the demand of the system well throughout the year.



Interior of Spring House



200 NORTHERN CONCOURSE
PO BOX 4949
SYRACUSE, NY 13221-4949

Central New York's Water Authority

www.ocwa.org

PHONE: (315) 455-7061
FAX: (315) 455-6649

October 27, 2022

Mr. William McConnell, Supervisor
Town of LaFayette
2577 US Route 11
PO Box 193
LaFayette, New York 13084

Re: Cardiff Water System
Operations Dec 2021 through June 2022

Dear Mr. McConnell:

Enclosed is an invoice for the operations of the Cardiff water system for the period of December 23, 2021 through June 30, 2022. Upon beginning operation, we found that the treatment system required much more maintenance work than anticipated. The significant operation and maintenance work on the system included:

- Initially we made daily visits to check and maintain the water treatment system, after installation of the remote computer monitoring system we were able to reduce the routine operation and maintenance visits to three days per week
- The UV treatment systems both required replacement
- The Hach chlorine monitoring system required servicing
- The chlorine pump required rebuilding
- The heater in the chlorine room was not operational and required repair
- The electrical generator was not operational and required repair
- The remote computer monitoring system was installed and connected to our operations center

Since the repairs have been completed and the remote monitoring system installed the system has been operating well.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Geoffrey G. Miller'.

Geoffrey G. Miller, P.E.
Executive Director of Operations