



VILLAGE OF SIDNEY

Elwood F. (Dixie) Davis Sidney Civic Center
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August 13, 2020

Mr. Michael K. Appleby
Supervisor, Groundwater Project Review
Susquehanna River Basin Commission
4423 North Front Street
Harrisburg, PA 17110-1788

Re: Sidney (V) Water Supply Well
Groundwater Withdrawal Permit Extension Request

Dear Mr. Applebee:

The Village of Sidney hereby requests an extension of its existing Groundwater Withdrawal Permit approval through December 2023 in order to have sufficient time to complete the groundwater source replacement project started in 2015. The purpose of the project is to replace the existing groundwater supply Well 2-88 which contain manganese in excess of the New York State Department of Health (NYSDOH) maximum contaminant level (MCL) and trace amounts of volatile organic compounds (VOC). This extension would allow the Village to complete the SRBC permitting process, final design, and construction necessary to bring the new well source on-line.

Since the last extension was granted by SRBC, the Village has conducted investigative drilling on five different sites and finally identified a viable site in 2017 approximately 2 miles north of the Village at the intersection of Otsego County Routes 1 and 1B east of the Unadilla River (the Clark Site). The investigative work at the Clark Site consisted of two 6-inch diameter test wells (TW-5 and TW-6) drilled to a depth of 218' and 183', respectively. Both 6-inch test wells were developed prior to conducting 24-hour pump to evaluate the aquifer yield potential.

Acquisition of the Clark Site was concluded in late 2017 and the Village immediately proceeded with the archeological investigation of the site required by the Federal Emergency Management Agency (FEMA), which is providing partial funding for the project. The archeological investigation of the Clark Site was completed in October 2018 and the Village received permission from FEMA to proceed with the construction of 16-inch diameter test/production well in December 2018. Bids for the construction of the test production wells were in January 2019 and drilling began in April 2019.

Since April 2019, the work at the Clark Site has proceeded as follows:

- April-June 2019 – Test Well TW-7 construction, well development, well screen installation, step pumping test, 24-hour pumping test, limited water quality testing.
- July-September 2019 – Production Well PW-1 construction and well development. Extended development time did not fully clear very fine sand production and development of PW-1 was abandoned in September 2019.
- August-September 2019 – Production well PW-3 construction, well development, well screen installation, and step pumping test, limited water quality testing.
- October-November 2019 – Test Well TW-8 construction, well development, well screen installation, step pumping test, 24-hour pumping test, limited water quality testing.
- December 2019 – Evaluation of options to locate second production well.
- January-February 2020 – Negotiation of change in the work with Village and drill rig remobilization.
- March-April 2020 – Test Well TW-9 construction, well development, well screen installation, step pumping test, limited flow test, water quality testing.
- May-July 2020 – Production Well PW-2 construction, well development, well screen installation, step pumping test, limited water quality testing.

Having secured two production wells with anticipated capacities capable of meeting the Sidney water system drinking water production needs, the Village anticipates the following project schedule to place the well into production:

1. Environmental Review..... Completed
2. Production Wells Construction and Development..... Completed
3. Aquifer Testing Plan Submittal to SRBC August 15, 2020
4. Aquifer Testing Plan Approval by SRBC November 2020
5. Production Wells Pump Testing Completion..... January 2021
6. Water Withdrawal Permit Application Submittal to SRBC April 2021
7. Well Treatment Bldg. and Transmission Main 60% Design June 2021
8. Well Treatment Bldg. and Transmission Main 90% Design August 2021
9. Review Comments from NYSDOH..... September 2021
10. Well Treatment Bldg. and Transmission Main 100% Design November 2021
11. Groundwater Withdrawal Permit Approval by SRBC January 2022
12. Construction Contracts Advertisement for Bids February 2022
13. Bid Opening March 2022
14. Construction Contract Award and Contract Execution..... April 2022
15. Construction Completion and Startup..... June 2023

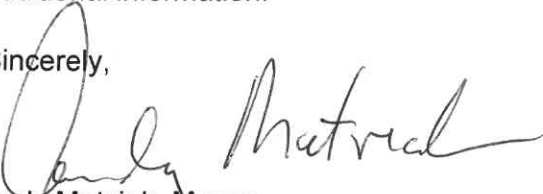
Based on the limited testing completed on the proposed production wells PW-2 and PW-3, the Village anticipates that the Clark Site groundwater source will have the capacity of supplying all the Village's drinking water needs and will become the Village's primary drinking water source. However, a final decision on whether to abandon the existing Well 2-88 or retain it as an

Mr. M. Appleby
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emergency supply source has not yet been made by the Village. A final decision concerning Well 2-88 will be made following the completion of the Clark Site aquifer pumping test.

Please do not hesitate to contact our Water Superintendent Shane Nordberg (607) 561-2330 or our engineer François Vedier, P.E. (518) 234-4028 should you have any questions or need additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Matviak". The signature is fluid and cursive, with a large initial "A" and a long, sweeping underline.

Andy Matviak, Mayor
Village of Sidney

Enc: SRBC Permit Extension Schedule

Cc: Shane Nordberg, Village of Sidney
François Vedier, Lamont Engineers