



SUSQUEHANNA RIVER BASIN COMMISSION

4423 North Front Street • Harrisburg, Pennsylvania 17110-1788

(717) 238-0423 Phone • (717) 238-2436 Fax

www.srbc.net

Docket No. 20220911

Approval Date: September 15, 2022

SHREWSBURY BOROUGH

**Groundwater Withdrawals (30-Day Averages) of
0.063 mgd from the Meadow Well and 0.064 mgd from the Village Well,
and Total System Withdrawal Limit (30-Day Average) of 0.620 mgd**

Section 1. Approval

After review of the record, including the technical findings of Susquehanna River Basin Commission (Commission) staff, the Commission has determined that no significant adverse impacts are anticipated by the operation of this project as described and conditioned herein, the project is physically feasible, and does not conflict with or adversely affect the Commission's Comprehensive Plan. Accordingly, the Commission hereby approves the renewal of the project described herein in accordance with the conditions set forth below.

The project sponsor maintains and operates a public water supply system that includes nine groundwater sources (Smith Well, Blouse Well, Meadow Well, Village Well, Woodlyn Springs Well, Well PW-1, Well PW-2, Thompson Well, and Lutheran Home Well), all of which are incorporated into the total system limit. Based on information provided by the project sponsor, no other sources are operated by the project.

The Commission previously approved the withdrawal of 0.100 million gallons per day (mgd) from the Meadow Well under Commission Docket No. 19890501, and the withdrawal of 0.180 mgd from the Village Well under Commission Docket No. 19900105. The project sponsor submitted groundwater withdrawal renewal applications requesting approval to withdraw up to 0.099 mgd from the Meadow Well and up to 0.100 mgd from the Village Well.

This approval authorizes the continued withdrawal from the Meadow Well at the reduced rate of 0.063 mgd and the continued withdrawal from the Village Well at the reduced rate of 0.064 mgd. This approval also maintains the total system withdrawal limit of 0.620 mgd that was established under Commission Docket No. 20150909.

Should demand exceed the total system limit established herein, the project sponsor may submit a minor modification application in accordance with 18 CFR § 806.18(c)(7) to request an increase to the total system limit, as the total system limit established herein is based on the 15-year projected demand.

Commission staff has coordinated with the Pennsylvania Department of Environmental Protection (PADEP) and the Pennsylvania Fish and Boat Commission (PFBC) during review of this project.

Section 2. Project Information

Information concerning the project sponsor, water use type, and location are set forth in the table below.

Project Information	
Project Sponsor:	Shrewsbury Borough
Approval Type:	Groundwater Withdrawal
Previous Docket Nos.:	19890501 (Meadow Well); 19900105 (Village Well)
Authorized Water Use Purpose:	Public Water Supply
Municipality:	Shrewsbury Borough (Meadow Well) and Shrewsbury Township (Village Well)
County:	York County
State:	Pennsylvania

Section 3. Source Information

Information concerning the source of water from which the withdrawals will be made is set forth in the table below.

Source Information	
Withdrawal Type:	Groundwater
Approved Sources:	Meadow Well and Village Well
Subbasin:	Lower Susquehanna
Watershed Boundary Dataset (WBD):	0205030616 (Deer Creek)
Withdrawal Location (degrees)*:	Lat: -- Long: --
Special Flow Protection Required:	No
* Specific location information concerning discrete water-related project features has been withheld for security reasons.	

Section 4. Aquifer Testing

Commission staff determined that sufficient data is available to complete the necessary hydrogeologic evaluation and approved Alternative Hydrogeologic Evaluations (AHEs) for the Meadow Well and the Village Well on July 28, 2022. In support of the AHEs, the project sponsor provided the required groundwater availability analysis, historical withdrawal and water level data, the results of historical aquifer testing and recent operational testing, and analysis and comparison of current operational data to historical testing results.

Operational testing documented that operation of the Meadow Well and the Village Well causes drawdown in nearby wetlands that are classified as exceptional value by PADEP. Because of the documented wetlands impacts, staff recommended that 30-day average withdrawal rates be limited to current use for each well. Staff has coordinated with PADEP regarding the wetlands impacts and related staff recommendations. Additionally, the project sponsor determined, and staff agrees, that the operational testing for the Village Well demonstrated the maximum instantaneous withdrawal rate should be reduced from 125 gallons per minute (gpm) to 90 gpm to maintain water levels above primary water-bearing zones.

Commission staff determined that the withdrawals from the Meadow Well and the Village Well at the reduced withdrawal rates should not cause permanent loss of aquifer storage, render competing supplies unreliable, or cause new adverse impacts to the water resources of the basin.

Section 5. Approved Withdrawal Quantities and Limitations

The withdrawals approved hereunder are subject to the quantitative limits and restrictions set forth in the table below.

Approved Withdrawal Quantities and Limitations		
	Meadow Well	Village Well
30-Day Average Withdrawal (mgd):	0.063	0.064
Maximum Instantaneous Withdrawal Rate (gpm) (Not to Exceed):	69	90
Peak Day Withdrawal (mgd):	0.099	0.130
Total System Withdrawal Limit – Smith, Blouse, Lutheran Home, Thompson, PW-1, PW-2, Meadow, Village, and Woodlyn Springs Wells (30-Day Average) (mgd):	0.620	

The withdrawals are also subject to all other conditions set forth in this docket approval.

Section 6. Existing Approved Withdrawals

Quantities applicable to the existing approved withdrawals are listed in the table below.

Existing Approved Groundwater Withdrawals			
Source	30-Day Average Withdrawal (mgd)	Commission Docket No.	Docket Expiration Date
Woodlyn Springs Well	0.240	19920501	May 14, 2022
Wells PW-1 and PW-2 (combined)	0.072	20040311	March 10, 2029
• Well PW-1	0.0648		
• Well PW-2	0.0432		
Smith Well	0.039	20150909	September 30, 2030
Blouse Well	0.0738	20150909	September 30, 2030

Section 7. Grandfathering Determination – Withdrawals and Consumptive Use

The project did not utilize surface water withdrawals prior to November 11, 1995. Additionally, the project did not consumptively use water prior to January 23, 1971.

On May 17, 2018, the project sponsor submitted a grandfathered water use registration under 18 CFR §§ 806.40-45 for the Thompson Well and the Lutheran Home Well. The Executive Director issued Certificate of Registration No. GF-201907041 on July 29, 2019, pursuant to 18 CFR § 806.44.

Section 8. Standard Conditions

1. The project sponsor shall comply with all Commission regulations, 18 CFR Parts 801, 806, and 808. This project is subject to the Annual Compliance and Monitoring fee as specified in the Commission's Regulatory Program Fee Schedule, which may be modified over the term of the approval.

2. The project sponsor shall adhere to the metering plan reviewed and approved by Commission staff. Any modifications proposed for the metering plan shall be submitted for review and, if appropriate, approval by Commission staff in accordance with 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan.

3. The project sponsor shall maintain the totalizing meter and other flow and volume measuring devices, accurate to within five (5) percent, so as to provide an accurate record of withdrawals, and certify to the Commission once every five (5) years, or as otherwise requested, the accuracy of all measuring devices and methods to within five (5) percent of actual flow.

4. The project sponsor shall adhere to the groundwater elevation monitoring plan reviewed and approved by Commission staff for the sources listed in Sections 5, 6, and 7. The project sponsor shall maintain and monitor the accuracy of the measuring devices in accordance with the manufacturer's specifications.

5. The project sponsor shall keep daily records of the project's withdrawals and groundwater elevations for the sources listed in Sections 5, 6, and 7, and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. Any alternative measuring, monitoring, or accounting procedure, and any modifications proposed for the groundwater elevation monitoring plan, shall be submitted for review and approval by Commission staff in accordance with 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan. All data collected and submitted as required under this approval shall be maintained by the project sponsor for the duration of the approval and all subsequent renewals.

6. The project sponsor or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable

time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under 18 CFR § 808.12.

7. In accordance with 18 CFR § 806.30(b)(2), the project sponsor shall report violations of any withdrawal limits and any conditions of this approval within five (5) days of such violation or report loss of measuring or recording capabilities required under 18 CFR § 806.30(a)(1) within five (5) days after any such loss.

8. In accordance with 18 CFR § 806.6, if ownership of the project changes or if the project sponsor undergoes a name change, the project sponsor shall submit application for transfer or reissuance of all approvals to the Commission within ninety (90) days of the change in ownership or project sponsor name change.

9. The project sponsor shall comply with the water conservation requirements specified in 18 CFR § 806.25.

10. This approval is conditioned on the project sponsor maintaining legal access to the withdrawal locations for the duration of the approval.

11. The project sponsor shall register with the appropriate agency all groundwater sources described herein, as may be required by regulations of the member jurisdiction.

12. If the project sponsor fails to comply with the provisions of the Susquehanna River Basin Compact or any rule, regulation, or order of the Commission, or any term or condition of this docket, the project sponsor is subject to enforcement actions pursuant to 18 CFR Part 808.

13. Commission approval shall not be construed to exempt the project sponsor from obtaining and maintaining all necessary permits and/or approvals required for the project from other federal, state, or local government agencies having jurisdiction over the project. All such permits and/or approvals shall be obtained prior to the withdrawal of water. The Commission may modify, suspend, or revoke this approval if the project sponsor fails to obtain or maintain such permits and/or approvals.

14. The Commission may at any time reopen any project approval or issue such additional orders, as may be necessary, to mitigate or avoid adverse impacts or otherwise to protect public health, safety, welfare, or the environment, pursuant to 18 CFR § 806.32.

15. Commission approval confers no property rights upon the project sponsor. The securing of all rights necessary and incident to the project sponsor's development and operation of the project shall be the sole and exclusive responsibility of the project sponsor, and this approval shall be subject thereto.

16. This project is approved for inclusion in the Commission's Comprehensive Plan for the Water Resources of the Susquehanna River Basin.

17. The project sponsor is required to apply for and obtain approval prior to any increase in withdrawal that would exceed the amounts listed herein.

18. The project sponsor is required to apply for and obtain approval prior to any increase in the total system withdrawal that would exceed the approved total system withdrawal limits listed herein.

19. If the Commission determines that the operation of the project's groundwater withdrawal adversely affects any existing groundwater or surface water withdrawal, the project sponsor shall be required to provide, at its expense, an alternate water supply or other mitigating measure.

Section 9. Special Conditions

20. The date of the last meter certification was March 10, 2022; therefore, the next meter certification is due no later than March 10, 2027. Certification of meter accuracy shall be provided to the Commission no less frequent than once every five (5) years from the date of the last certification.

21. The project sponsor shall keep records, and shall report the same to the Commission upon request, of all persons supplied water from the project that maintain a permanent connection to the public water supply system. The project sponsor shall also keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project that do not maintain a permanent connection to the public water supply system, including daily quantities supplied.

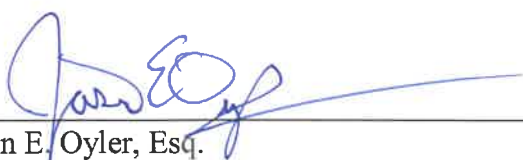
Section 10. Term

22. This approval shall be effective October 1, 2022, and shall remain effective until September 30, 2037. As specified in 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 31, 2037, the project sponsor may continue operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application, or until otherwise notified by the Executive Director.

23. Commission Docket Nos. 19890501 and 19900105 shall remain effective through September 30, 2022, whereupon they shall expire.

CERTIFICATION: I, Jason E. Oyler, Secretary to the Susquehanna River Basin Commission, do hereby certify that the foregoing project docket was approved by the Susquehanna River Basin Commission on September 15, 2022.

Dated: September 16, 2022



Jason E. Oyler, Esq.