



# SUSQUEHANNA RIVER BASIN COMMISSION

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**Docket No. 20221205**

**Approval Date: December 15, 2022**

## **DOVER TOWNSHIP**

**Groundwater Withdrawal (30-Day Average)  
of 0.088 mgd from Well 10**

### **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 (Wells 2, 3, 4, 5, 6, 7, 8, 9, and 10). The project sponsor also maintains an interconnection from the York Water Company. Based on information provided by the project sponsor, no other sources are operated by the project.

The Commission previously approved a combined withdrawal limit of 0.540 million gallons per day (mgd) from Wells 8 and 10 under Commission Docket No. 19911104. The project sponsor submitted a groundwater withdrawal renewal application requesting approval to withdraw up to 0.088 mgd from Well 10. This approval authorizes continued withdrawals at the requested rate from Well 10, and eliminates the total system withdrawal limit of 1.600 mgd established under Commission Docket No. 20190905. The total system limit does not include the interconnection and exceeds the approved withdrawals from the sources; therefore, the total system limit is unnecessary.

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	
<b>Project Sponsor:</b>	Dover Township
<b>Approval Type:</b>	Groundwater Withdrawal
<b>Previous Docket No.:</b>	19911104
<b>Authorized Water Use Purpose:</b>	Public Water Supply
<b>Municipality:</b>	Dover Township
<b>County:</b>	York County
<b>State:</b>	Pennsylvania

### Section 3. Source Information

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

Source Information	
<b>Withdrawal Type:</b>	Groundwater
<b>Approved Source:</b>	Well 10
<b>Subbasin:</b>	Lower Susquehanna
<b>Watershed Boundary Dataset (WBD):</b>	0205030604 (Little Conewago Creek)
<b>Withdrawal Location (degrees)*:</b>	Lat: -- Long: --
<b>Special Flow Protection Required:</b>	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 an Alternative Hydrogeologic Evaluation (AHE) for Well 10 on November 8, 2022. In support of the AHE, the project sponsor provided the required groundwater availability analysis, historical withdrawal and water level data, the results of historical aquifer testing, results of operational testing, and evaluation of current operational data to historical testing results.

Historical operational data indicate that the major water-bearing zone at 295 feet above mean sea level (AMSL) in Well 10 has been frequently exposed, which may have caused decreased yields in the well. To protect and avoid exposure of the major water-bearing zone in Well 10, Commission staff recommends that the approval be conditioned with a water level restriction prohibiting pumping of Well 10 below 296 feet AMSL, 1 foot above the major water-bearing zone, in accordance with Special Condition 21.

Commission staff determined that the withdrawal from Well 10 at the requested withdrawal rate is not always available during dry or drought periods. Regardless, staff recommends approval at the requested rate to provide operational flexibility for the public water

supply system and because the project has sufficient alternative sources to meet demand when operation of Well 10 is limited. The requested quantity should not cause permanent loss of aquifer storage, render competing supplies unreliable, or cause adverse impacts to the water resources of the basin, subject to the conditions set forth below.

## Section 5. Approved Withdrawal Quantities and Limitations

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

Approved Withdrawal Quantities and Limitations	
<b>30-Day Average Withdrawal (mgd):</b>	0.088
<b>Maximum Instantaneous Withdrawal Rate (gpm):</b>	70 (Not to Exceed)
<b>Peak Day Withdrawal (mgd):</b>	0.101
gpm – gallons per minute	

The withdrawal is 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
Well 8*	0.540**	19911104	November 14, 2021
Well 9	0.288	20190905	September 30, 2034
* The project sponsor has submitted a renewal application for Well 8. The application was under review at the time of this renewal of Well 10.			
** Wells 8 and 10 were approved under Commission Docket No. 19911104 with a combined withdrawal rate. Individual withdrawal rates were not provided.			

## Section 7. Grandfathering Determination – Withdrawals and Consumptive Use

On June 30, 2018, the project sponsor submitted a grandfathered water use registration under 18 CFR §§ 806.40-45 for Wells 2, 3, 4, 5, 6, and 7. The Executive Director issued Certificate of Registration No. GF-201911054 on November 13, 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 3, 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 3, 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 location 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 withdrawals 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 January 27, 2020; therefore, the next meter certification for all sources listed in Sections 3, 6, and 7 is due no later than January 27, 2025. 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. To avoid the potential for dewatering significant water-bearing zones in Well 10, drawdown in Well 10 shall be limited to 296 feet AMSL or 146 feet below top of casing (BTOC). Within ninety (90) days from the date of this approval, the project sponsor shall provide documentation to the Commission that an automatic shutoff switch that ceases withdrawals from Well 10 at the prescribed elevations has been installed.

22. The total system withdrawal limit of 1.600 mgd established under Commission Docket No. 20190905 is hereby rescinded.

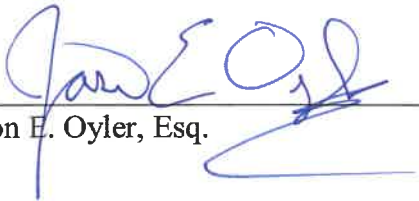
## Section 10. Term

23. This approval shall be effective January 1, 2023, and shall remain effective until December 31, 2037. As specified in 18 CFR § 806.31(e), if the project sponsor submits an application on or before June 30, 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.

24. Approval of withdrawal from Well 10 by Commission Docket No. 19911104 shall remain effective through December 31, 2022, whereupon it shall expire. Approval of withdrawal from Well 8 by Commission Docket No. 19911104 remains effective while staff's review of the Well 8 renewal application progresses.

**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 December 15, 2022.

Dated: December 16, 2022

  
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Jason E. Oyler, Esq.