



# SUSQUEHANNA RIVER BASIN COMMISSION

4423 North Front Street • Harrisburg, Pennsylvania 17110-1788

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

[www.srbc.net](http://www.srbc.net)

**Docket No. 20190906**

**Approval Date: September 6, 2019**

## **DUNCANNON BOROUGH**

**Groundwater Withdrawal (30-Day Average) of 0.037 mgd from Well 7, and  
Total System Withdrawal Limit (30-Day Average) of 0.167 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 project described herein in accordance with the conditions set forth below.

The project sponsor maintains and operates a public water supply system that includes five groundwater sources (Wells 1, 2, 4, 5, and 7), all of which are incorporated in the total system limit. Based on information provided by the project sponsor, no other sources are operated by the project. This approval authorizes the withdrawal from Well 7 at the requested rate and establishes a total system limit for withdrawals from Wells 1, 2, 4, 5, and 7.

Should demand exceed the total system limit established herein, the project sponsor may request a minor modification in accordance with 18 CFR § 806.18(c)(7) to increase 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	
<b>Project Sponsor:</b>	Duncannon Borough
<b>Approval Type:</b>	Groundwater Withdrawal
<b>Authorized Water Use Purpose:</b>	Public Water Supply
<b>Municipality:</b>	Penn Township
<b>County:</b>	Perry 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 7
<b>Subbasin:</b>	Lower Susquehanna
<b>Watershed Boundary Dataset (WBD):</b>	0205030501 (Shermans 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

The constant-rate aquifer testing required by 18 CFR § 806.12 for groundwater withdrawals was completed with prior Commission approval. A 72.5-hour, constant-rate aquifer test of Well 7 was conducted from December 10 through 13, 2018, pumping at an average rate of 26 gallons per minute (gpm).

Commission staff determined that the withdrawal from Well 7 at the requested withdrawal rate 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.

The aquifer testing data indicated that pumping of Well 7 may cause the water level in Well 7 to be drawn down below a significant water-bearing zone. To protect the water-bearing zone in Well 7, Commission staff finds that the water level in Well 7 should not be drawn down below 193 feet above mean sea level (AMSL), and recommends that the Well 7 approval be conditioned with a water level restriction prohibiting pumping of Well 7 if the water level in Well 7 is equal to or lower than 193 feet AMSL.

## 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>	0.037
<b>Maximum Instantaneous Withdrawal Rate (gpm):</b>	26 (Not to Exceed)
<b>Peak Day Withdrawal (mgd):</b>	0.037
<b>Total System Withdrawal Limit – Wells 1, 2, 4, 5, and 7 (30-Day Average) (mgd):</b>	0.167
mgd – million gallons per day	

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 5	0.130	19910501	May 9, 2021

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

The project did not consumptively use water prior to January 23, 1971.

In accordance with 18 CFR § 806.4, the addition of Well 7 as a new source subjects all of the project sponsor's unapproved sources to Commission review and approval. The project sponsor is required to submit aquifer test plans or waivers in accordance with Special Condition 21.

The project sponsor has no unapproved consumptive uses.

## 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. Prior to any withdrawal from the source listed in Section 3, the project sponsor shall install and maintain metering in accordance with 18 CFR § 806.30. The project sponsor shall notify the Commission, in writing, and submit photographs of the meter when it has been installed, provide the serial number of the meter, and certify the accuracy of the measuring device to within five (5) percent of actual flow. Withdrawals shall not commence until Commission staff has approved the implementation of the approved metering plan and notified the project sponsor of such approval.

4. The project sponsor shall maintain the totalizing meters 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.

5. The project sponsor shall adhere to the groundwater elevation monitoring plan reviewed and approved by Commission staff for the sources listed in Sections 3, 5, 6, and 7. Prior to initiating withdrawals from Well 7, the project sponsor shall install and maintain water level monitoring equipment in Well 7 in accordance with 18 CFR § 806.30. The project sponsor shall notify the Commission, in writing, and submit make, model, serial numbers, and photographs of the water level monitoring equipment when it has been installed in Well 7 and certify the accuracy of the measuring devices. The project sponsor shall maintain and monitor the accuracy of the measuring devices in accordance with the manufacturer's specifications.

6. The project sponsor shall keep daily records of the project's withdrawals and groundwater elevations for the sources listed in Sections 3, 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.

7. 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.

8. 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.

9. 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 this approval to the Commission within ninety (90) days of the change in ownership or project sponsor name change.

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

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

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

13. 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.

14. 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.

15. 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.

16. 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.

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

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

19. 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.

20. 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**

21. By November 9, 2020, the project sponsor shall submit aquifer testing plans or aquifer testing plan waiver requests for Wells 1, 2, and 4 if the project sponsor intends to continue operating withdrawals from these wells. Deadlines for submittal of groundwater withdrawal applications will be established with approval of an aquifer testing plan or waiver for each well.

22. The project sponsor is authorized to continue withdrawals from Wells 1, 2, and 4 consistent with the maximum historical withdrawal rates until action is taken on groundwater withdrawal applications submitted in accordance with Special Condition 21, after which time the project sponsor shall cease withdrawals from all sources that do not have explicit Commission approval.

23. To avoid the potential for dewatering a significant water-bearing zone in Well 7, drawdown shall be limited to 193 feet AMSL. Prior to initiating withdrawals from Well 7, the project sponsor shall provide documentation to the Commission that an automatic shutoff switch that ceases withdrawals from Well 7 at the prescribed elevation has been installed.

24. The project sponsor shall comply with the water conservation requirements and reduce system water losses to less than twenty (20) percent to comply with 18 CFR § 806.25(a)(1). The project sponsor shall reduce system losses and achieve compliance with the water conservation requirements within five (5) years of the effective date of this docket approval unless the Commission grants an extension of time due to extenuating circumstances described, in writing, by the project sponsor. The project sponsor shall report to the Commission annually on the progress made pursuant to this requirement. Annual reports are due within sixty (60) days after the close of the preceding calendar year. If the project sponsor can show that system water losses are below twenty (20) percent for two (2) consecutive calendar years, annual reports for the remainder of the five (5)-year period may no longer be required following written notification from Commission staff.

25. 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.

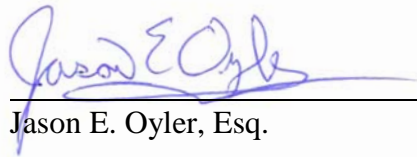
## Section 10. Term

26. The project sponsor has a period of three (3) years from the date of this approval to commence the withdrawal or this approval will automatically expire, unless an extension is requested, in writing, by the project sponsor no later than one hundred twenty (120) days prior to such expiration and approved by the Commission as provided in 18 CFR § 806.31(b).

27. This approval is effective until September 5, 2034. As specified in 18 CFR § 806.31(e), if the project sponsor submits an application on or before March 5, 2034, 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.

**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 6, 2019.

Dated: September 9, 2019

  
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Jason E. Oyler, Esq.