



# SUSQUEHANNA RIVER BASIN COMMISSION

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**Docket No. 20241205**

**Approval Date: December 12, 2024**

## **EAST COCALICO TOWNSHIP AUTHORITY**

**Groundwater Withdrawal (30-Day Average) of 0.100 mgd from Well 2A, and  
Total System Withdrawal Limit (30-Day Average) of 1.395 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 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 12 groundwater sources (Wells 2A, 3A, 5, 6, 7, 8A, 9, 10, 11, 14, F, and M), all of which are incorporated into the total system withdrawal limit. Based on information provided by the project sponsor, no other sources are operated by the project.

The Commission previously approved the withdrawal of 0.576 million gallons per day (mgd) from Well 2A under Commission Docket No. 19990901. The project sponsor submitted a groundwater withdrawal renewal application requesting approval to withdraw up to 0.100 mgd (30-day average) from Well 2A. This approval authorizes continued withdrawals at the requested rate and maintains the total system withdrawal limit of 1.395 mgd (30-day average) established under Commission Docket No. 20230318.

Should demand exceed the total system withdrawal 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 withdrawal limit, as the total system withdrawal limit established herein is based on the 15-year projected demand.

This project is located in or serves an Environmental Justice area as identified by the Pennsylvania Department of Environmental Protection (PADEP), which staff considered during review of the project. In addition to notices completed by the Commission, the project sponsor has completed all required public notices of the project application and the application was subject of a public hearing on October 30, 2024.

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



Because historical operations of Well 2A have caused water levels in Well 2A to be routinely at or near the shutoff level, the project sponsor completed operational testing at rates of 120 gallons per minute (gpm) to 130 gpm to evaluate drawdown in response to lower maximum instantaneous withdrawal rates. Based on the results of the operational testing, the project sponsor revised its request from 225 gpm to 130 gpm. Therefore, staff recommends a maximum instantaneous withdrawal rate of 130 gpm.

Commission staff determined that the withdrawal from Well 2A at the requested reduced 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.

### 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.

<b>Approved Withdrawal Quantities and Limitations</b>	
<b>30-Day Average Withdrawal (mgd):</b>	0.100
<b>Maximum Instantaneous Withdrawal Rate (gpm):</b>	130 (Not to Exceed)
<b>Peak Day Withdrawal (mgd):</b>	0.187

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.

<b>Existing Approved Groundwater Withdrawals</b>			
<b>Source</b>	<b>30-Day Average Withdrawal (mgd)</b>	<b>Commission Docket No.</b>	<b>Docket Expiration Date</b>
Well 3A	0.059	20230318	March 9, 2031
Well 5	0.056	20230318	March 9, 2031
Well 6	0.022	20230318	March 9, 2031
Well 7	0.046	20230318	March 9, 2031
Well 8A	0.072	20031007	October 9, 2028
Well 9	0.059	20181205	December 31, 2033
Well 10	0.045	20181205	December 31, 2033
Well 11	0.081	20220606	June 30, 2037
Well 14	0.201	20230907	September 30, 2038
Well F	1.150	20220606	June 30, 2037
Well M	1.395	20220606	June 30, 2037

## **Section 7. Grandfathering Determination – Withdrawals**

All withdrawals used by the project have Commission approval.

## **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 and 6. 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 and 6, 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 water sources described herein, and adhere to reporting requirements 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. To maintain water levels above significant water-bearing zones in Well 2A, the project sponsor shall maintain the currently installed automatic shutoff control to cease operation when the water level reaches 336 feet AMSL (260 feet below ground surface [bgs]).

**Section 10. Term**

21. This approval shall be effective January 1, 2025, and shall remain effective until December 31, 2039. As specified in 18 CFR § 806.31(e), if the project sponsor submits an application on or before June 30, 2039, 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.

22. Commission Docket No. 19990901 shall remain effective through December 31, 2024, whereupon it 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 December 12, 2024.

Dated: December 13, 2024

  
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Jason E. Oyler, Esq.