



SUSQUEHANNA RIVER BASIN COMMISSION

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Docket No. 20210604

Approval Date: June 17, 2021

GREENFIELD TOWNSHIP MUNICIPAL AUTHORITY

**Groundwater Withdrawal (30-Day Average) of 0.499 mgd from Well PW-4,
and Total System Withdrawal Limit (30-Day Average) of 0.499 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 three sources (Wells PW-1, PW-3, and PW-4), 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 approval authorizes the withdrawal from Well PW-4 at the requested rate and establishes a total system limit for withdrawals from Wells PW-1, PW-3, and PW-4.

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	
Project Sponsor:	Greenfield Township Municipal Authority
Approval Type:	Groundwater Withdrawal
Authorized Water Use Purpose:	Public Water Supply
Municipality:	Greenfield Township
County:	Blair County
State:	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	
Withdrawal Type:	Groundwater
Approved Source:	Well PW-4
Subbasin:	Juniata
Watershed Boundary Dataset (WBD):	0205030201 (Upper Frankstown Branch Juniata River)
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

The constant-rate aquifer testing required by 18 CFR § 806.12 for groundwater withdrawals was completed with prior Commission approval. A 74-hour, constant-rate aquifer test of Well PW-4 was conducted on June 24 through 27, 2019, pumping at an average rate of 351 gallons per minute (gpm).

Commission staff determined that the withdrawal from Well PW-4 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.

Aquifer testing of Well PW-4 demonstrated the potential for significant adverse impacts to a nearby private residential well. To avoid significant adverse impacts to the residential well as a result of long-term operation of Well PW-4, staff recommends mitigation of the well as provided in Special Conditions 21 and 22.

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	
30-Day Average Withdrawal (mgd):	0.499
Maximum Instantaneous Withdrawal Rate (gpm):	350 (Not to Exceed)
Peak Day Withdrawal (mgd):	0.504
Total System Withdrawal Limit – Wells PW-1, PW-3, and PW-4 (30-Day Average) (mgd):	0.499
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

The project does not have existing approved withdrawals.

Section 7. Grandfathering Determination – Withdrawals

On May 8, 2018, the project sponsor submitted a grandfathered water use registration form under 18 CFR §§ 806.40-45 for Wells PW-1 and PW-3. The Executive Director issued Certificate of Registration No. GF-202011130 on November 5, 2020, pursuant to 18 CFR § 806.44.

Requirements for continued operation of Wells PW-1 and PW-3 beyond initiation of withdrawal from Well PW-4 will be addressed in accordance with Special Condition 23.

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 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.

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 and 7. Prior to any withdrawal from the source listed in Section 3, the project sponsor shall install and maintain water level monitoring equipment 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 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 withdrawal listed in Section 3 and groundwater elevations for the sources listed in Sections 3 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 all approvals 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. Within ninety (90) days from the date of this approval, the project sponsor shall submit a plan for review and, if appropriate, approval by Commission staff to mitigate potential impacts to a nearby residential water source. Acceptable mitigation shall include one of the following actions: deepening the existing private well, drilling a suitable replacement well, or providing public water supply service to the residence. The mitigation plan must include, but is not limited to, the following:

- a. Detailed description of the proposed mitigation activities; and
- b. Schedule for implementation of the mitigation plan.

Following approval of an acceptable mitigation plan, the project sponsor shall execute the plan and complete mitigation activities in accordance with the approved plan.

22. Prior to operating Well PW-4, the project sponsor shall submit to the Commission documentation confirming that all mitigation activities were completed. Withdrawal from Well PW-4 shall not commence until Commission staff responds, in writing, with a determination that mitigation has been completed in accordance with the approved plan.

23. The project sponsor shall notify the Commission, in writing, at least sixty (60) days prior to the initiation of the withdrawal from Well PW-4. In response, the Commission will review 18 CFR § 806.4 in effect at that time to determine if the addition of Well PW-4 subjects Wells PW-1 and PW-3 to Commission review and approval or if operation of Wells PW-1 and PW-3 can continue consistent with the maximum historical withdrawal rates identified in Certificate of Registration No. GF-202011130. The Commission will provide a written determination with regard to the status of Wells PW-1 and PW-3, including any operating conditions or deadlines for submittal of aquifer testing plans or aquifer testing plan waiver requests and groundwater withdrawal applications, if applicable.

24. In accordance with the schedule in the approved metering plan, the project sponsor shall install and maintain metering on the sources of the project's grandfathered withdrawals listed in Section 7, in accordance with 18 CFR § 806.30(a)(1). The project sponsor shall notify the Commission, in writing, and submit photographs of the meter(s) when installed and certify the accuracy of the measuring device(s) to within five (5) percent of actual flow. Following installation of meters, the project sponsor shall keep daily records of the project's withdrawal for the sources listed in Section 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, 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.

25. The project sponsor is required to apply for and obtain approval prior to any increase in withdrawal from grandfathered sources that would exceed the amounts provided in the grandfathering Certificate of Registration.

26. In accordance with 18 CFR § 806.4(a)(2)(v), a change of ownership of the facility or project will forfeit the grandfathered status and subject pre-regulation withdrawals to Commission review and approval.

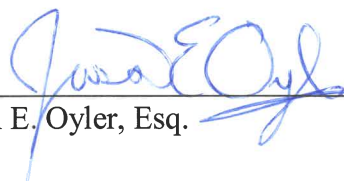
Section 10. Term

27. 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).

28. This approval is effective until June 16, 2036. As specified in 18 CFR § 806.31(e), if the project sponsor submits an application on or before December 16, 2035, 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 June 17, 2021.

Dated: June 21, 2021



Jason E. Oyler, Esq.