

DOCKET NO. D-1992-072 CP-3

DELAWARE RIVER BASIN COMMISSION

Located in Drainage Area to Special Protection Waters

**Borough of East Stroudsburg
Groundwater Withdrawal**

Borough of East Stroudsburg, Monroe County, Pennsylvania

PROCEEDINGS

This docket is issued in response to an Application submitted to the Delaware River Basin Commission (DRBC or Commission) on June 8, 2023 for renewal of an allocation of groundwater and review of a groundwater water withdrawal project (Application). The Pennsylvania Department of Environmental Protection (PADEP) public water supply permits issued for the (Docket Holder)'s water supply wells are as follows:

WELL NO.	PADEP PERMIT NO.	PADEP APPROVAL DATE
1 and 2 (operation)	4575501	December 8, 1975
Well 4 (construction)	4599501	December 9, 1999
Wells 1-4 (operations)	2450023	November 16, 2010

The Application was reviewed for continuation of this project in the Comprehensive Plan and for approval under Section 3.8 of the *Delaware River Basin Compact*. The Monroe County Planning Commission has been notified of pending action on this docket. A public hearing on this project was held by the DRBC on May 8, 2024

A. DESCRIPTION

1. Purpose. The purpose of this docket is to renew the approval of a groundwater withdrawal allocation to continue to withdrawal up to 58.28 million gallons per month (mgm) of groundwater from existing wells 1, 2, 3 and 4 for public water supply (the "Project").

2. **Location.** The Project wells are located in the Borough of East Stroudsburg in the Lower Brodhead Creek Watershed. Wells 1 and 2 are completed in the Buttermilk Falls Formation and Wells 3 and 4 are completed in the Pleistocene Sand and Gravel Aquifer. All groundwater withdrawals are located within the drainage area of the Middle Delaware Special Protection Waters. Brodhead Creek near the Project site is classified by the PADEP as supporting Trout Stocking Fishes (TSF) and Migratory Fishes (MF).

Specific location information has been withheld for security reasons.

3. **Area Served.** The docket holder’s groundwater wells and the other Approved Source, as described below, will continue to serve existing developments in the Borough of East Stroudsburg, Monroe County, Pennsylvania. The service area is outlined on a map entitled “Water Service Area and Water Facilities Map” submitted with the Application. The Borough maintains a 0.400 mgd bulk water sales agreement and 1.2 mgd emergency interconnections with the Brodhead Creek Regional Authority (see Docket D-1991-001 CP-4). For the purpose of defining Area Served, the Application is incorporated herein by reference consistent with conditions contained in Section C. DECISION of this docket.

4. **Design Criteria.** The Borough currently provides public water for a population of approximately 15,288 people via 3,123 service connections with an average and maximum water demand of 1.224 million gallons per day (mgd) and 2.139 mgd, respectively. The 10-year average and maximum water demand is estimated to be 1.788 mgd and 3.128 mgd, respectively.

5. **Facilities.** The existing Project wells have the following characteristics:

WELL NO.	DEPTH	CASING / SCREEN LENGTH	PUMP/INTAKE CAPACITY	YEAR DRILLED
1	720’	38.5’	200 GPM	1971
2	705’	41’	105 GPM	1971
3	112’	106’ / 106’ - 112’	350 GPM	1983
4	120’	92.5’ / 92.5’ - 117.5’	653 GPM	1996

All water service connections are metered.

All wells are metered.

All withdrawn water is chlorinated, and the withdrawal from Well 3 and 4 is treated for iron and manganese removal prior to entering the distribution system.

The Project wellheads are located above the 100-year flood elevation.

The water system is interconnected with the Brodhead Creek Regional Authority.

Other Approved Source. The docket holder maintains another approved water source consisting of the surface water withdrawal in the Sambo Creek watershed, in Smithfield and Middle Smithfield Townships, in Monroe County, Pennsylvania. This source appears in the DRBC Comprehensive Plan. The Sambo Creek is supplemented with flow from a diversion located in the Michael Creek watershed, Middle Smithfield Township, Monroe County, Pennsylvania (see Resolution No. 64-12 and Docket No. D-64-56). This water source and supplement are supported by a system of two (2) reservoirs, including two (2) dams on the Sambo Creek, a diversion structure on the Michael Creek to the Sambo Creek, a finished water storage reservoir, and associated water transmission and distribution infrastructure. The maximum total water supply system withdrawal from all sources approved for use by the Borough will remain at 77.5 mgm. The Other Approved Source, along with the Project, constitute the Borough’s public water system (the “Public Water System”).

6. **Other.** The majority of wastewater generated from the Public Water System is conveyed to the East Stroudsburg sewage treatment facility most recently approved by DRBC Docket No. D-1987-015 CP-4 on June 9, 2021. PADEP has issued NPDES Permit No. PA0020168 for this treatment facility. A lesser portion of wastewater generated from the Public Water System is conveyed to the Smithfield Township Sewer Authority sewage treatment facility most recently approved by DRBC Docket No. D-92-17 CP on June 24, 1992. PADEP has issued NPDES Permit No. PA0061361 for this treatment facility. The sewage treatment facilities have adequate capacity to continue to receive wastewater from the existing Project.

7. **Relationship to the Comprehensive Plan.** The docket holder’s existing wells were previously included in the Comprehensive Plan via Docket Nos. D-75-147 CP, D-84-63 CP, and D-92-72 CP, issued on January 28, 1976, February 27, 1985, and December 8, 1999, respectively. The applicant’s surface water supply is included in the Comprehensive Plan Addendum No. 1, Phase I, Section VII “Pre-Existing Projects” adopted July 25, 1962. The Sambo Creek withdrawal and the Michael Creek diversion are also referenced in DRBC Docket No. D-64-56, issued in connection with DRBC’s approval of the construction of the Borough’s water filtration plant and reservoirs. Issuance of this docket will continue the withdrawal Project in the Comprehensive Plan.

B. FINDINGS

1. Special Protection Waters

In 1992, the DRBC amended its Water Quality Regulations (WQR) by the addition of regulations for the protection of Special Protection Waters (SPW), designed to maintain the quality of interstate waters where existing quality is better than the established stream quality objectives. As the result of its initial classifications and subsequent amendments, the Commission has designated the entire non-tidal main stem Delaware River from Hancock, New York to Trenton, New Jersey as SPW. DRBC’s SPW regulations apply within the designated reaches and their drainage area.

The Project is located within the drainage area to SPW. Sections 3.10.3A.2.e.1) and 2) of the WQR state that projects subject to review under Section 3.8 of the Compact that are located within the drainage area of SPW must submit for approval a Non-Point Source Pollution Control Plan (NPSPCP) that controls the new or increased non-point source loads generated within the portion of the docket holder's service area which is also located within the drainage area of SPW. Since this Project involves the renewal of an approval for existing activities and does not entail additional construction or expansion of facilities or create new or increased non-point source loads, the NPSPCP requirement is not applicable at this time. Additionally, the Borough of East Stroudsburg has enacted Ordinance No. 1206 consistent with the Brodhead Creek Watershed Act 167 Storm Water Management Plan, which includes non-point source pollution control Best Management Practices that the Commission has found to meet the NPSPCP requirement ("the Ordinance"). Condition C.30. of this docket provides that prior to allowing connections from new developments, the docket holder shall confirm that such development is in compliance with the Ordinance.

2. Water Audits for Public Water Supply Systems Serving Greater than 100,000 gpd

Section 2.1.8 of the Water Code states that it is the policy of the Commission to establish a standardized water audit methodology for owners of water supply systems serving the public to ensure accountability in the management of water resources. Voluntary Water Audits were encouraged for public water supply systems through December 31, 2011 (Section 2.1.8.B.). Effective January 1, 2012, the owners of each public water supply system are required to implement an annual calendar year water audit program conforming to IWA/AWWA Water Audit Methodology (AWWA Water Loss Control Committee (WLCC) Water Audit Software) and corresponding AWWA guidance (Section 2.1.8.C). Water audits shall be submitted annually to the Commission by March 31. The docket holder submitted their most recent Water Audit on March 26, 2024.

3. Other Findings

Subsidiary Water Allocation Permit (WA45-1002) authorizes the Borough to acquire bulk water from BCRA for a limited period while the Borough performs rehabilitation of the Middle Dam. The dam rehabilitation project is substantially complete. The historical 1.2 MGD Emergency Interconnection with the Brodhead Creek Regional Authority system continues with maintenance transfers of approximately 50,000 gallons per week in the Summer months and 20,000 gallons per week during the rest of the year for water quality purposes.

The DRBC estimates that the Project withdrawals, used for the purpose of public water supply, result in a consumptive use of 10 percent of the total water use. The DRBC definition of consumptive use is defined in Basin Regulations-Water Supply Charges 18 C.F.R. 420.1(d).

The Project is designed to conform to the requirements of the *Water Code (WC)* and *Water Quality Regulations (WQR)* of the DRBC.

The Project does not conflict with the Comprehensive Plan and is designed to prevent substantial adverse impact on the water resources related environment, while sustaining the current and future water uses and development of the water resources of the Basin.

C. DECISION

Effective on the approval date for Docket No. D-1992-072 CP-3 below, the project described in Docket No. D-1992-072 CP-2 is removed from the Comprehensive Plan to the extent that it is not included in Docket No. D-1992-072 CP-3; Docket No. D-1992-072 CP-2 is terminated and replaced by Docket No. D- D-1992-072 CP-3; and the Project and the appurtenant facilities described in in Section A.4. (Design Criteria) and A.5. (Facilities) shall be continued in the Comprehensive Plan. The Project and appurtenant facilities as described in in Section A.4. (Design Criteria) and A.5. (Facilities) are approved subject to the following conditions, pursuant to Section 3.8 of the *Compact*:

Monitoring and Reporting

- 1.** The docket holder shall continue to report to the PADEP all surface and groundwater sources described in this docket in accordance with the Pennsylvania Regulations (Title 25 - Environmental Protection, [25 PA. CODE CH. 110], Water Resources Planning).
- 2.** The Project withdrawals shall be metered by means of an automatic continuous recording device, flow meter, or other method, and shall be measured to within 5 percent of actual flow. Meters or other methods of measurement shall be subject to approval and inspection by the PADEP as to the type, method, installation, maintenance, calibration, reading and accuracy. A record of daily withdrawals shall be maintained, and monthly totals shall be reported to the PADEP annually and shall be available at any time to the Commission if requested by the Executive Director.
- 3.** In accordance with DRBC Resolutions No. 87-6 (Revised) and No. 2009-1, the docket holder shall continue to implement to the satisfaction of the PADEP, the systematic program to monitor and control leakage within the water supply system. The program shall at a minimum include: periodic surveys to monitor leakage, enumerate non-revenue water and determine the current status of system infrastructure; recommendations to monitor and control leakage; and a schedule for the implementation of such recommendations. The docket holder shall proceed expeditiously to correct leakages and unnecessary usage identified by the program.
- 4.** In accordance with DRBC Resolution No. 2009-1 and Section 2.1.8 of the *Water Code (WC)*, the docket holder shall implement an annual calendar year water audit program conforming to IWA/AWWA Water Audit Methodology (AWWA Water Loss Control Committee (WLCC) Water Audit Software) and corresponding guidance. Water audits shall be submitted annually to the Commission by March 31.
- 5.** The docket holder shall implement to the satisfaction of the PADEP, a continuous program to encourage water conservation in all types of use within the facilities served by this docket approval. The docket holder will report to the PADEP, on the actions taken pursuant to this program and the impact of those actions as requested by the PADEP.

6. The docket holder shall continue to implement its Water Conservation Plan as approved by PADEP and shall report to the PADEP on actions taken pursuant to this program and the impact of those actions as requested by the PADEP.

Other Conditions

7. During any month, the combined withdrawal from the Sambo Creek Intake and the Project shall not exceed 77.5 million gallons.

8. During any month, the combined withdrawal from all well sources shall not exceed 58.28 million gallons. No well shall be pumped above the maximum rate and monthly allocation as indicated below:

WELL NO.	MAXIMUM RATE (GPM)*	MONTHLY ALLOCATION (MGM)
1	200 gpm	8.9 mgm
2	105 gpm	4.7 mgm
3	350 gpm	15.6 mgm
4	653 gpm	29.1 mgm

* Based on a 24-Hour Average

9. In accordance with 18 C.F.R. 401.8. of the Commission’s *Rules of Practice and Procedure (RPP)*, if at any future time the Project is changed substantially from the Project as described in this docket, it will be deemed to constitute a new and different project for the purposes of Article 11 of the Delaware River Basin Compact and will require Commission amendment of the Comprehensive Plan. In accordance with the same section of the RPP, whenever a change to the Project is made, the sponsor must advise the Executive Director, who will determine whether the change is deemed substantial for purposes of this provision.

10. Section 2.3.10 of the Commission’s Rules of Practice and Procedure (18 C.F.R. 401.41), limiting the Commission’s approval to three years in the absence of an expenditure of substantial funds by the Project sponsor in reliance on the approval, is hereby waived for good cause shown in accordance with Section 2.9.3 (18 C.F.R. 401.123) of the same regulations. This approval shall expire on the expiration date set forth below unless prior thereto the docket holder has applied to the Commission to renew or extend this approval.

11. The docket holder is responsible for timely submittal to the DRBC of a docket renewal application on the appropriate application form including the appropriate docket application filing fee (see 18 C.F.R. 401.43) at least 6 months in advance of the docket expiration date set forth below. The docket holder will be subject to late filed renewal surcharges in the event of untimely submittal of its renewal application whether DRBC issues a reminder notice in advance of the deadline or the docket holder receives such notice. If a timely and complete application for renewal has been submitted and the DRBC is unable, through no fault of the docket holder, to reissue the docket before the expiration date below, the terms and conditions of the current docket

will remain fully effective and enforceable pending the grant or denial of the application for docket approval.

12. The diversion structure, intakes, wells and operational records associated with the Project shall be available at all times for inspection by the DRBC.

13. The wells shall be operated at all times to comply with the requirements of the *WC* and *WQR* of the DRBC.

14. The wells shall be equipped, where possible, with readily accessible capped ports and minimum ½ inch inner diameter (ID) drop pipes as repairs or modifications are made at each existing well so that water levels may be measured under all conditions.

15. Each new water service connection shall include a water meter in accordance with the DRBC's Resolution No. 87-7 (Revised).

16. No water service connections shall be made to newly constructed premises with plumbing fixtures and fittings that do not comply with water conservation performance standards contained in Resolution No. 88-2 (Revision 2) or the Uniform Construction Code as adopted by the Commonwealth of Pennsylvania, whichever is more stringent.

17. The docket holder shall implement to the satisfaction of the PADEP, a drought or other water supply emergency plan.

18. Sound practices of excavation, backfill and reseedling shall be followed to minimize erosion and deposition of sediment in streams from any new facilities or repair related construction.

19. No new water service connections shall be made to premises connected to sewerage systems which are not in compliance with all applicable effluent limits contained in State permits and the *Water Quality Regulations* of the Commission.

20. Nothing herein shall be construed to exempt the docket holder from obtaining all necessary permits and/or approvals from other State, Federal or local government agencies having jurisdiction over this Project.

21. The docket holder is permitted to provide the water approved in this docket to the areas included in Section A.3. Area Served of this docket. Any expansion beyond those included in Section A.3. Area Served is subject to DRBC review and approval in accordance with Section 3.8 of the *Compact*.

22. The docket holder for this Project shall be subject to applicable DRBC regulatory program fees, in accordance with duly adopted DRBC resolutions and/or regulations. (see 18 CFR 401.43).

23. This approval is transferable by request to the DRBC Executive Director provided that the Project purpose and area served approved by the Commission in this docket will not be materially

altered because of the change in Project ownership. The request shall be submitted on the appropriate form and be accompanied by the appropriate fee (see 18 CFR 401.43).

24. The docket holder shall request a name change of the entity to which this approval is issued if the name of the entity to which this approval is issued changes its name. The request for name change shall be submitted on the appropriate form and be accompanied by the appropriate fee (see 18 C.F.R. 401.43).

25. The issuance of this docket approval shall not create any private or proprietary rights in the water of the Basin, and the Commission reserves the rights to amend, alter or rescind any actions taken hereunder to ensure the proper control, use and management of the water resources of the Basin.

26. If the monitoring required herein or any other relevant data or information demonstrates that the operation of this Project is interfering with or otherwise impairing existing uses of ground or surface water, or if the docket holder receives a complaint from an existing ground or surface water user within the zone of influence of the withdrawal alleging such interference or impairment, the permit holder shall immediately notify the Executive Director, and unless excused by the Executive Director, shall investigate the demonstrated or alleged impacts. For purposes of this condition, notification shall mean either (a) electronic transmittal of written notice to the Executive Director via email (using addresses posted on the DRBC website); or (b) written notice to the Executive Director and a telephone call to the Project Review Section at 609-883-9500, ext. 216. (Oral notification must always be accompanied by immediate written notification directed to the Executive Director.) In addition, the docket holder shall provide written notice to all potentially affected water users of the docket holder's responsibilities under this condition. **Any well or surface water supply that is impaired as a result of the docket holder's Project withdrawal shall be repaired, replaced or mitigated at the docket holder's expense.** The scope of the options to consider for repair, replacement and/or mitigation shall not be limited solely to those that are owned, operated, or controlled by the Project sponsor. An investigation report and/or mitigation plan prepared and certified by a licensed professional engineer and/or a licensed professional geologist shall be submitted to the Executive Director as soon as practicable following notice of the demonstrated or alleged impairment consistent with this paragraph. The Executive Director shall make the final determination regarding the scope and sufficiency of the investigation and the extent of any mitigation measures that may be required. Where ground and surface waters are rendered unavailable, unusable, or unsuitable for the pre-existing use, the Executive Director may direct the docket holder to take interim actions to mitigate such impacts, pending completion of the investigative report and any long-term repair, replacement, or mitigation.

27. The Executive Director may modify or suspend this approval or any condition thereof, or require mitigating measures pending additional review, if in the Executive Director's judgment such modification or suspension is required to protect the water resources of the Basin.

28. For the duration of any drought emergency declared by either Pennsylvania or the Commission, water service or use by the docket holder pursuant to this approval shall be subject to the prohibition of those nonessential uses specified by the Governor of Pennsylvania, the

Pennsylvania Emergency Management Council, PADEP, or the Commonwealth Drought Coordinator to the extent that they may be applicable, and to any other emergency resolutions or orders adopted hereafter by the Commission.

29. In accordance with Section 3.10.3 e.1)(d) of the Water Quality Regulations (WQR), the Project is subject to the requirement that the sponsor submit a Non-Point Source Management Plan that controls any new or increased non-point source loads generated within portions of the Project service area that are also located within the drainage area of Special Protection Waters (SPW). As noted above, the Borough of East Stroudsburg has enacted Ordinance No. 1206, consistent with the Brodhead Creek Watershed Act 167 Storm Water Management Plan, which includes non-point source pollution control Best Management Practices that the Commission has found to meet the NPSPCP requirement (“the Ordinance”). Because the Project service area lies entirely within the drainage area of SPW, prior to allowing connections from new developments, the docket holder shall confirm that such development is in compliance with the Ordinance.

30. Any person who objects to a docket decision by the Commission may request a hearing in accordance with Article 6 of the *Rules of Practice and Procedure*. In accordance with Section 15.1(p) of the *Delaware River Basin Compact*, cases and controversies arising under the *Compact* are reviewable in the United States district courts.

BY THE COMMISSION

APPROVAL DATE:

EXPIRATION DATE: June 5, 2034