

DOCKET NO. D-1999-012 CP-5

DELAWARE RIVER BASIN COMMISSION

**Bucks County Water & Sewer Authority
Tradesville Wastewater Treatment Plant
Warrington Township, Bucks County, Pennsylvania**

PROCEEDINGS

This docket is issued in response to an application submitted to the Delaware River Basin Commission (DRBC or Commission) on December 18, 2024 (Application), for renewal of the docket holder's existing wastewater treatment plant (WWTP) and its discharge. The Pennsylvania Department of Environmental Protection (PADEP) issued National Pollutant Discharge Elimination System (NPDES) Permit No. PA0056758 for this discharge.

The Application was reviewed for continuation of the project in the Comprehensive Plan and approval under Section 3.8 of the *Delaware River Basin Compact*. The Bucks County Planning Commission has been notified of pending action. A public hearing on this project was held by the DRBC on August 6, 2025.

A. DESCRIPTION

1. **Purpose.** The purpose of this docket is to renew the approval of the docket holder's existing 0.429 million gallons per day (mgd) Tradesville WWTP and its discharge. Effluent limits from PADEP and the Commission are currently based upon an average annual flow of 0.33 mgd.

2. **Location.** The docket holder's WWTP is located on Pickertown Road in Warrington Township, Bucks County, Pennsylvania. The WWTP will continue to discharge treated effluent to Mill Creek at River Mile 115.63 – 36.4 – 1.5 (Delaware River – Neshaminy Creek – Mill Creek).

The location of the WWTP outfall in the Mill Creek Watershed as follows:

OUTFALL NO.	LATITUDE (N)	LONGITUDE (W)
001	40° 15' 42.37"	75° 11' 10.05"

3. **Area Served.** The docket holder's Tradesville WWTP will continue to serve residential developments in the western area of Warrington Township, Bucks County, Pennsylvania. For the purpose of defining the Area Served, the Type of Discharge and the Service Area sections from the docket holder's Application are incorporated herein by reference, to the extent consistent with all other conditions contained in Section C. DECISION of this docket.

4. **Design Criteria.** The docket holder's WWTP utilizes a sequencing batch reactors (SBR) treatment process. The WWTP is designed for an annual average flow of 0.33 mgd and a maximum monthly flow of 0.429 mgd.

5. **Facilities.** The WWTP facilities consist of a mechanical fine screen and a manually cleaned back-up bar screen, a chemical storage and feed equipment system for addition of liquid alum, sodium hydroxide and magnesium hydroxide, 2 SBRs, 2 aerobic digesters, 2 equalization tanks, and an ultraviolet light (UV) disinfection unit.

The project facilities are not located in the 100-year floodplain.

Wasted sludge will continue to be hauled off-site for disposal in accordance with the NPDES Permit No. PA0056758.

6. **Water Withdrawals.** The potable water supply in the project service area is provided by the docket holder's water supply distribution system. The docket holder's water withdrawal is described in detail in Docket No. D-1990-019 CP-4, which was approved on December 8, 2021.

7. **NPDES Permit / DRBC Effluent Requirements.** NPDES Permit No. PA0056758 issued by the PADEP includes final effluent limitations for the project discharge of 0.33 mgd to surface waters classified by the PADEP as supporting Trout Stocking Fishes (TSF) and Migratory Fishes (MF). EFFLUENT TABLE C-1 included in Section C. DECISION Condition C.1. of this docket, contains effluent requirements for DRBC parameters that must be met as a condition of this approval.

8. **Relationship to the Comprehensive Plan.** The docket holder's WWTP was included in the Comprehensive Plan via Docket No. D-1999-012 CP, which was approved by the Commission on April 28, 1999. The approval was continued in Docket Nos. D-1999-012 CP-2, D-1999-012 CP-3 and D-1999-012 CP-4, approved on December 8, 2011, December 10, 2014 and September 11, 2019 respectively. Issuance of this docket (D-1999-012 CP-5) will continue the WWTP in the Comprehensive Plan.

B. FINDINGS

The docket holder applied to renew approval of their existing 0.429 mgd Tradesville WWTP and its discharge. Effluent limits from PADEP and the Commission are currently based upon an average annual flow of 0.33 mgd. No modifications to the WWTP are proposed.

At the WWTP discharge location, Mill Creek has an estimated seven-day low flow with a recurrence interval of ten years (Q7-10) of less than 0.1 cubic feet per second (cfs) and therefore is classified by the Commission as an intermittent stream.

The nearest surface water intake of record for public water supply is located on Neshaminy Creek approximately 28 River Miles downstream of the docket holder's WWTP and is operated by Aqua Pennsylvania.

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.

The effluent limits in the NPDES Permit are in compliance with Commission effluent quality requirements, where applicable.

The project is designed to produce a discharge meeting the effluent requirements as set forth in the Commission's *Water Quality Regulations (WQR)*.

C. DECISION

Effective on the approval date for Docket No. D-1999-012 CP-5 below, the project described in Docket No. D-1999-012 CP-4 is removed from the Comprehensive Plan to the extent that it is not included in Docket No. D-1999-012 CP-5; Docket No. D-1999-012 CP-4 is terminated and replaced by Docket No. D-1999-012 CP-5; and the project and the appurtenant facilities described in Section A "DESCRIPTION" of this docket shall be continued in the Comprehensive Plan. The project and appurtenant facilities as described in Section A of this docket are approved pursuant to Section 3.8 of the *Compact*, subject to the following conditions:

Monitoring and Reporting

1. The docket holder shall comply with the requirements contained in the EFFLUENT TABLES below. The docket holder shall submit the required monitoring results electronically to the DRBC Project Review Section via email aemr@drbc.gov on the **Annual Effluent Monitoring Report Form** located at this web address: <https://www.nj.gov/drbc/programs/project/docket-app-info.html#3>. The monitoring results shall be submitted annually, absent any observed limit violations, by January 31. If a DRBC effluent limit is violated, the docket holder shall submit the result(s) to the DRBC within 30 days of the violation(s) and provide a written explanation that states the action(s) the docket holder has taken to correct the violation(s) and protect against any future violations. The following average monthly effluent limits are among those listed in the NPDES Permit and meet or are more stringent than the effluent requirements of the DRBC.

EFFLUENT TABLE C-1: DRBC Parameters Included in NPDES Permit

OUTFALL 001 (Discharge to Mill Creek)		
PARAMETER	LIMIT	MONITORING
pH (Standard Units)	6 to 9 at all times	As required by NPDES permit
Dissolved Oxygen	5.0 minimum	As required by NPDES permit
Total Suspended Solids	30 mg/l	As required by NPDES permit
CBOD ₅ (at 20° C) (5-1 to 10-31) (11-1 to 4-30)	20 mg/l 25 mg/l	As required by NPDES permit
CBOD ₅ Influent	Monitor and Report	As required by NPDES permit

OUTFALL 001 (Discharge to Mill Creek)		
PARAMETER	LIMIT	MONITORING
BOD ₅ Influent	Monitor and Report	As required by NPDES permit
Total Suspended Solids Influent	Monitor and Report	As required by NPDES permit
Nitrate-Nitrite (4-1 to 10-31) (11-1 to 3-31)	9.5 mg/l Monitor and Report	As required by NPDES permit
Total Dissolved Solids*	1,000 mg/l	As required by NPDES permit
Total Nitrogen	Monitor and Report	As required by NPDES permit
Ammonia Nitrogen (5-1 to 10-31) (11-1 to 4-30)	1.5 mg/l 4.5 mg/l	As required by NPDES permit
Total Phosphorus	2.0 mg/l	As required by NPDES permit
Fecal Coliform	200 colonies per 100 ml as a geo. avg.	As required by NPDES permit

* See DECISION Condition C.3.

Other Conditions

2. Except as otherwise authorized by this docket, if the docket holder seeks relief from any limitation based upon a DRBC water quality standard or minimum treatment requirement, the docket holder shall apply for approval from the Executive Director or for a docket revision in accordance with Section 3.8 of the *Compact* and the *Rules of Practice and Procedure*.
3. The docket holder may request the Executive Director in writing the substitution of specific conductance for TDS. The request should include information that supports the effluent specific correlation between TDS and specific conductance. Upon review, the Executive Director may modify the docket to allow the substitution of specific conductance for TDS monitoring.
4. 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 materially 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 materially for purposes of this provision.

5. The docket holder is responsible for a 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.
6. The docket holder is permitted to treat and discharge wastewater as set forth in the Area Served Section of this docket, which incorporates by reference the Type of Discharge and Service Area sections of the docket holder's Application to the extent consistent with all other conditions of this DECISION Section.
7. In accordance with the Commission's regulations at 18 C.F.R. Part 440, the docket holder is prohibited from discharging wastewater from high volume hydraulic fracturing ("HVHF") or HVHF-related activities to waters or land within the Basin. The docket holder is further prohibited from discharging hydraulic fracturing wastewater, whether treated or untreated, from sources within or outside the Basin, without obtaining the Commission's prior review and express approval in the form of a revised docket. Violation of this or any condition of this docket approval may result in enforcement, including the risk of financial penalties, pursuant to Section 14.17 of the *Delaware River Basin Compact* and Section 2.7.8 (18 CFR 401.98) of the Commission's *Rules of Practice and Procedure*. The facility and operational records shall be available at all times for inspection by the DRBC.
8. The facility shall be operated at all times to comply with the requirements of the Commission's *WQR*.
9. If at any time the receiving treatment plant proves unable to produce an effluent that is consistent with the requirements of this docket approval, no further connections shall be permitted until the deficiency is remedied.
10. 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.
11. The docket holder shall discharge wastewater in such a manner as to avoid injury or damage to fish or wildlife and shall avoid any injury to public or private property.
12. No sewer 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).

13. The issuance of this docket approval shall not create any private or proprietary rights in the waters of the Basin, and the Commission reserves the right to amend, suspend or rescind the docket for cause, in order to ensure proper control, use and management of the water resources of the Basin.
14. The docket holder shall be subject to applicable DRBC regulatory program fees, in accordance with duly adopted DRBC resolutions and/or regulations (see 18 CFR 401.43).
15. 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).
16. 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 CFR 401.43).
17. 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.
18. 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: September 10, 2025

EXPIRATION DATE: May 31, 2030