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DOCKET NO. D-2000-055 CP-6

DELAWARE RIVER BASIN COMMISSION

**Upper Uwchlan Township Municipal Authority
Route 100 Regional Wastewater Treatment Plant
Upper Uwchlan Township, Chester County, Pennsylvania**

PROCEEDINGS

This docket is issued in response to an application submitted to the Delaware River Basin Commission (DRBC or Commission) on December 11, 2025 (Application), to renew the approval of the docket holder's existing wastewater treatment plant (WWTP) and its discharge. The Pennsylvania Department of Environmental Protection (PADEP) issued Water Quality Management (WQM) Permit No. 1500421 for this upgraded facility on June 25, 2021, with amendments A-1 and A-2 issued on November 15, 2021, and August 16, 2023, respectively.

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 Chester County Planning Commission has been notified of pending action. A public hearing on this project was held by the DRBC on May 6, 2026.

A. DESCRIPTION

- Purpose.** The purpose of this docket is to renew approval of the docket holder's existing 0.619 million gallons per day (mgd) WWTP and its discharge.
- Location.** The docket holder's WWTP is located at the intersection of Fellowship Road and Pottstown Pike in Upper Uwchlan Township, Chester County, Pennsylvania. The WWTP will continue to discharge treated effluent to a combination of spray and drip irrigation fields. The previously approved Fetters Tract Drip Disposal Field was constructed for the purpose of serving the Fetters Tract Subdivision, however, this drip disposal field is not yet operational.

The location of the WWTP drip and spray disposal fields are located in the East Branch Brandywine Creek and Lower Schuylkill River Watersheds.

- Area Served.** The docket holder's WWTP will continue to serve portions of West Vincent and Upper Uwchlan Townships located in Chester 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 0.619 mgd WWTP utilizes a combination of an aerated lagoon system and sequencing batch reactor (SBR) treatment process.

The WWTP is designed for an annual average flow of 0.619 mgd, and a hydraulic design capacity of 0.80 mgd.

5. Facilities. The Route 100 Regional WWTP facilities consist of an influent headworks, a lift pump station, a secondary treatment aerated lagoon with two cells divided by a baffle, a storage lagoon, four (4) 0.2 mgd SBR basins, a sludge digester tank, a post-equalization tank, a blower building, an effluent pump station, and a control building. The WWTP has undergone several phases of upgrades, most recently completing Phase 3 of the previously approved construction improvements, which included the addition of two (2) 0.2 mgd SBR basins, for a total of four (4) SBR basins, increasing the design hydraulic capacity to 0.80 mgd.

The lift pump station consists of three influent pumps. Pump #1 conveys flow to the aerated lagoon system, Pump #2 is utilized for standby for Pump #1, and Pumps #3 and #4 convey flow to the SBR basins. Pump #4 was added as part of the previously approved Phase 3 construction.

The aerated lagoon and storage lagoon have a combined volume capacity of 23.7 million gallons.

The existing drip and spray irrigation land disposal areas include the following: Byers Station Spray, Eagle Hunt Spray, Ewing Tract Spray (Upper Uwchlan), Ewing Tract Spray (West Vincent), Reserve at Eagle Spray and Drip, Reserve at Waynebrook Drip, St. Elizabeth Spray, Upland Farms Drip, and Windsor Ridge Drip. The previously approved Fetters Tract Drip Disposal Field was constructed; however, it is not yet operational.

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 WQM Permit No. 1500421 A-2.

6. Water Withdrawals. The potable water supply in the project service area is provided by Aqua PA – Upper Uwchlan System.

The docket holder's water withdrawal is described in detail in Docket No. D-1990-050 CP-4, which was approved on December 9, 2020.

7. WQM Permit Effluent Requirements. WQM Permit No. 1500421 A-2 issued by the PADEP includes final effluent limitations for the project discharge to land. EFFLUENT TABLES C-1 & C-2, included in Section C. DECISION condition C.1. of this docket, contain effluent

requirements for parameters listed in the WQM Permit. Effluent requirements for the WWTP are based on a discharge rate of 0.6 mgd.

8. Relationship to the Comprehensive Plan. A portion of the existing WWTP was included in the Comprehensive Plan by Docket No. D-1964-015 CP on January 26, 1966, the rest of the project was included by Docket No. D-2000-055 CP on April 19, 2001. The WWTP approval was renewed and/or modified by the following Docket Nos.:

Docket No.	Approval Date	Docket Purpose
D-2000-055 CP-2	September 24, 2008	Upgrade & Expansion
D-2000-055 CP-3	September 12, 2013	Renewal
D-2000-055 CP-4	June 13, 2018	Renewal
D-2000-055 CP-5	June 7, 2023	Upgrade & Expansion

Issuance of this docket will continue the WWTP and its discharge in the Comprehensive Plan.

B. FINDINGS

The docket holder applied to renew approval of their existing 0.619 mgd WWTP and its discharge.

The nearest surface water intake of record for public water supply is located on both Brandywine Creek and Pickering Creek and is operated by Aqua PA.

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 WQM Permit conform with Commission effluent quality requirements, where applicable.

The project is designed to produce a discharge that meets 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-2000-055 CP-6 below, the project described in Docket No. D-2000-055 CP-5 is removed from the Comprehensive Plan to the extent that they are not included in Docket No. D-2000-055 CP-6; Docket No. D-2000-055 CP-5 is terminated and replaced by Docket No. D-2000-055 CP-6; and the project and the appurtenant

facilities described in Section A “DESCRIPTION” of this docket shall be included 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 WQM Permit.

EFFLUENT TABLE C-1: Parameters Included in WQM Permit

Route 100 Regional WWTP (Spray & Drip Irrigation)		
PARAMETER	LIMIT	MONITORING
Flow	Monitor & Report	As required by WQM Permit
pH	6 to 9 at all times	As required by WQM Permit
Total Suspended Solids	30 mg/l	As required by WQM Permit
CBOD ₅ (at 20°C)	25 mg/l	As required by WQM Permit
Total Nitrogen	14 mg/l	As required by WQM Permit

EFFLUENT TABLE C-2: Parameters Included in WQM Permit

Route 100 Regional WWTP (Spray Irrigation Only)		
PARAMETER	LIMIT	MONITORING
Fecal Coliform	200 colonies per 100 ml as a geo. avg.	As required by WQM Permit

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. 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.

4. 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.

5. 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.

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 section. Any expansion beyond that included in Section A.3. Area Served is subject to DRBC review and approval in accordance with Section 3.8 of the Compact.

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.

8. The facility and operational records shall be available at all times for inspection by the DRBC.

9. The facility shall be operated at all times to comply with the requirements of the Commission's *WQR*.

10. 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.

11. 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.

12. 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.
13. 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).
14. 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, to ensure proper control, use and management of the water resources of the Basin.
15. The docket holder shall be subject to applicable DRBC regulatory program fees, in accordance with duly adopted DRBC resolutions and/or regulations (see 18 C.F.R. 401.43).
16. 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 C.F.R. 401.43).
17. 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).
18. 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.
19. 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 (RPP)*. 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 11, 2031