

DOCKET NO. D-2013-018-3

DELAWARE RIVER BASIN COMMISSION

**Applegreen PA Welcome Centers, LLC
Peter J. Camiel Service Plaza Wastewater Treatment Plant
Wallace 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 October 18, 2023 (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. PA0027987 for this discharge.

The application was reviewed for 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 February 5, 2025.

A. DESCRIPTION

- 1. Purpose.** The purpose of this docket is to renew approval of the docket holder's existing 0.05 million gallons per day (mgd) WWTP and its discharge.
- 2. Location.** The docket holder's WWTP is located at the Peter J. Camiel Service Plaza on Interstate 76 in Wallace Township, Chester County, Pennsylvania. The WWTP will continue to discharge treated effluent to an unnamed tributary (UNT) to Marsh Creek, above Marsh Creek Reservoir, at River Mile 70.7 – 1.8 – 20.3 – 12.5 – 6.7 – 0.3 (Delaware River – Christina River – Brandywine Creek – East Branch Brandywine Creek – Marsh Creek – UNT Marsh Creek).

The location of the WWTP outfall in the Christina River Watershed is as follows:

OUTFALL NO.	LATITUDE (N)	LONGITUDE (W)
001	40° 7' 16.94"	75° 46' 29.09"

3. **Area Served.** The docket holder's WWTP will continue to serve the Peter J. Camiel Service Plaza in Wallace Township 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 0.05 mgd WWTP utilizes an extended aeration treatment process with purestream filtration and chlorine contact disinfection.

5. **Facilities.** The WWTP facilities consist of a comminutor, an equalization tank, one (1) Splitter Box, two (2) Aeration Tanks, two (2) Alum and Soda Ash Feed Tanks, two (2) Clarifiers, one (1) Purestream Filter, one (1) Sludge Holding Tank, and one (1) Chlorine Contact/Dechlorination Tank.

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. PA0027987.

6. **Water Withdrawals.** The potable water supply in the project service area is provided by the docket holder's on-site groundwater well. The groundwater withdrawal is operated at a withdrawal rate below the DRBC groundwater withdrawal review threshold and is not subject to Commission review and approval.

7. **NPDES Permit / DRBC Effluent Requirements.** NPDES Permit No. PA0027987 issued by the PADEP includes final effluent limitations for the project discharge to surface waters classified by the PADEP as supporting high quality water trout stocking fishes (HQ-TSF) and migratory fishes (MF). EFFLUENT TABLES C-1 & C-2 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. Effluent requirements for Outfall No. 001 are based on a discharge rate of 0.05 mgd.

B. FINDINGS

The docket holder applied to renew approval of their existing 0.05 mgd WWTP and its discharge.

1. Total Dissolved Solids (TDS)

Section 3.10.4.D.2 of the Commission's Water Quality Regulations (WQR) states the following:

“Total dissolved solids shall not exceed 1000 mg/l, or a concentration established by the Commission which is compatible with designated water uses and stream quality objectives, and recognizes the need for reserve capacity to serve future dischargers.”

On December 11, 2019, the DRBC approved Docket No. D-2013-018-2, which required the docket holder to monitor the WWTP influent and effluent monthly for TDS. Monitoring from 2021 through 2023 for TDS in effluent indicated most of the monthly samples exceeded 1,000 mg/l, with an average effluent TDS of 1,273 mg/l, and the maximum sample of 1,505 mg/l.

This docket requires the docket holder to continue to perform a trackdown study to determine the source of the elevated TDS in the WWTP effluent. The trackdown study shall include the results of TDS influent monitoring (see below), and at a minimum shall investigate sources from WWTP processes (such as chemical addition), sources within the WWTP service area (such as commercial or industrial process wastewater), and sources from processes within the WWTP service area (such as low flow plumbing fixtures or road/surface salting). The results of the trackdown study shall be submitted within 12 months of docket approval (by February 5, 2026). (See DECISION Condition C.2.).

This docket also requires WWTP influent and effluent TDS monitoring on a monthly basis (See DECISION Condition C.1. EFFLUENT TABLE C-2). The docket holder may request a reduction in the effluent monitoring from monthly to quarterly and elimination of the TDS influent testing upon the completion of 12 consecutive months of monthly monitoring without an effluent exceedance of 1,000 mg/l (See DECISION Condition C.3.).

2. Other

At the WWTP discharge location, the UNT to Marsh Creek has an estimated seven-day low flow with a recurrence interval of ten years (Q_{7-10}) 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 East Branch Brandywine Creek approximately 10 River Miles downstream of the docket holder's WWTP and is operated by the Downingtown Municipal Water Authority.

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 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-2013-018-3 below, the project described in Docket No. D-2013-018-2 is removed to the extent that it is not included in Docket No. D-2013-018-3; Docket No. D-2013-018-2 is terminated and replaced by Docket No. D-2013-018-3; and the project and the appurtenant facilities described in Section A “DESCRIPTION” 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 (UNT Marsh Creek)		
PARAMETER	LIMIT	MONITORING
pH (Standard Units)	6 to 9 at all times	As required by NPDES Permit
Total Suspended Solids	20 mg/l	As required by NPDES Permit
CBOD ₅ (at 20° C) (5-1 to 10-31) (11-1 to 4-30)	10 mg/l 20 mg/l	As required by NPDES Permit
Ammonia Nitrogen (5-1 to 10-31) (11-1 to 4-30)	3.0 mg/l 9.0 mg/l	As required by NPDES Permit
Fecal Coliform	200 colonies per 100 ml as a geo. avg.	As required by NPDES Permit

The following monitoring requirements and average monthly effluent limits are for DRBC parameters not listed in the NPDES Permit.

EFFLUENT TABLE C-2: DRBC Parameters Not Included in NPDES Permit

OUTFALL 001 (UNT Marsh Creek)		
PARAMETER	LIMIT	MONITORING
Total Dissolved Solids Influent & Effluent*	Monitor & Report	Monthly*
CBOD ₅ (at 20° C)	Monitor & Report Percent Removal	Monthly
CBOD ₅ (at 20° C) Influent	Monitor & Report	Monthly

*See DECISION Conditions C.3 and C.8.

2. The docket holder is required to perform a TDS trackdown study to determine the source of the elevated TDS in the WWTP effluent in accordance with Section B. FINDINGS of this docket. The trackdown study shall be submitted within 12 months of the docket approval (February 5, 2026).
3. The docket holder is required to perform monthly influent and effluent TDS testing in accordance with EFFLUENT TABLE C-2 above. After completing 12 consecutive months of monthly monitoring without an effluent exceedance of 1,000 mg/l, the docket holder may request in writing to the Executive Director a reduction in the effluent monitoring frequency from monthly to quarterly and may request elimination of the TDS influent testing.

Other Conditions

4. Nothing in this docket constitutes a defense to any penalty action for past conduct of the docket holder or ongoing activity not authorized by this approval. In particular, renewal of this docket does not resolve violations – whether in the past or continuing – of provisions of the Delaware River Basin *Compact* (“*Compact*”) or any rule, regulation, order or approval duly issued by the Commission or the Executive Director pursuant to the Compact. The Commission reserves its right to take appropriate enforcement action against the docket holder, including but not limited to recovery of financial penalties consistent with Section 14.17 of the Compact, for any and all such prior or continuing violations.
5. 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*.
6. The docket holder may request in writing, for approval from the Executive Director for 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.
7. 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.
8. 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.

9. 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.

10. 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.

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

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

13. 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.

14. 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.

15. 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.

16. 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).

17. 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.
18. 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).
19. 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).
20. 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).
21. 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.
22. 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: May 31, 2029