

DOCKET NO. D-1983-034 CP-4

DELAWARE RIVER BASIN COMMISSION

**Robeson Township Municipal Authority
Wastewater Treatment Plant
Robeson Township, Berks County, Pennsylvania**

PROCEEDINGS

This docket is issued in response to an Application submitted to the Delaware River Basin Commission (DRBC or Commission) by Systems Design Engineering, Inc. on behalf of Robeson Township Municipal Authority (RTMA or docket holder) on August 22, 2016 (Application), for renewal of the docket holder's existing industrial wastewater treatment plant (WWTP) and its discharge. National Pollutant Discharge Elimination System (NPDES) Permit No. PA0051900 for this facility was issued by the Pennsylvania Department of Environmental Protection (PADEP) on June 25, 2008 effective July 1, 2008. A NPDES renewal application was sent to PADEP on December 18, 2012. RTMA was informed by PADEP on September 4, 2013 to operate under the terms and conditions set within the previous NPDES permit.

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 Berks County Planning Commission has been notified of pending action. A public hearing on this project was held by the DRBC on August 16, 2017.

A. DESCRIPTION

- Purpose.** The purpose of this docket is to renew the approval of the docket holder's existing 0.30 million gallons per day (mgd) RTMA WWTP and its discharge. No modifications to the existing WWTP are proposed.
- Location.** The WWTP discharge will continue to discharge treated effluent to Schuylkill River at River Mile 92.47 – 65.8 (Delaware River – Schuylkill River) via Outfall No. 001, in Robeson Township, Berks County, Pennsylvania as follows:

OUTFALL NO.	LATITUDE (N)	LONGITUDE (W)
001	40° 17' 08"	75° 51' 22"

- Area Served.** The docket holder's WWTP will continue to serve Robeson Township located in Berks County, Pennsylvania. For the purpose of defining the Area Served, Section B (Type of Discharge) and D (Service Area) of the docket holder's Application are incorporated

herein by reference, to the extent consistent with all other conditions contained in the DECISION Section of this docket.

4. Physical Features.

a. Design Criteria. The docket holder’s 0.30 mgd WWTP will continue utilizing a activated sludge treatment process with chlorine disinfection. No modifications to the existing WWTP are proposed.

b. Facilities. The WWTP consists of a two-stage contact aeration system, a communitor with a bypass bar screen, a first-stage aeration tank, an intermediate settling tank, a final settling tank, two anaerobic digesters, two sludge drying beds, a chlorine contact tank system.

Several of the WWTP facilities are located in the 100-year flood hazard area. The docket holder has indicated in the Application that the WWTP facilities located in the flood hazard area are flood proofed up to the flood protection elevation (one foot above the 100-year flood elevation).

Wasted sludge will continue to be hauled off-site by a licensed hauler for disposal at a state approved facility.

c. Water withdrawals. The potable water supply in the project service area is provided by private domestic wells.

d. NPDES Permit / DRBC Docket. NPDES Permit No. PA0051900 was issued by the PADEP on June 25, 2008 (effective July 1, 2008) and includes final effluent limitations for the project discharge of 0.30 mgd to surface waters classified by the PADEP as Warm Water Fishery (WWF). 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 A-1: DRBC Parameters Included in NPDES Permit

OUTFALL 001 (Discharge to the Schuylkill River)		
PARAMETER	LIMIT	MONITORING
pH (Standard Units)	6 to 9 at all times	As required by NPDES Permit
Total Suspended Solids	30 mg/l	As required by NPDES Permit
CBOD ₅ (at 20° C)	25 mg/l (85% minimum removal)	As required by NPDES Permit
Ammonia Nitrogen	20 mg/l	As required by NPDES Permit
Fecal Coliform (5-1 to 9-30)	200 colonies per 100 ml as a geo. avg.	As required by NPDES Permit
(10-1 to 4-30)	2000 colonies per 100 ml as a geo. avg.	

The requirements in EFFLUENT TABLE A-2 are not listed in the NPDES Permit, but are Commission basin-wide parameters that must be met as a condition of this docket

approval. The Commission will request that the parameters are listed in the upcoming NPDES Permit renewal.

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

OUTFALL 001 (Discharge to the Schuylkill River)		
PARAMETER	LIMIT	MONITORING
Total Dissolved Solids*	1,000 mg/l **	Quarterly**

*DRBC Requirement

**See DECISION Condition C.II.s.

e. **Cost.** There are no construction costs associated with this WWTP renewal.

f. **Relationship to the Comprehensive Plan.** The existing Robeson Township WWTP was included in the Comprehensive Plan via Docket No. D-1983-034 CP-1, on September 25, 1984. The WWTP was continued in the Comprehensive Plan, as described in Docket Nos. D-1983-034 CP-2 and D-1983-034 CP-3, approved by the Commission on July 13, 2011 and July 10, 2013, respectively. Issuance of this docket will continue approval of the docket holder’s WWTP in the Comprehensive Plan (See DECISION Condition C.I.c.).

B. FINDINGS

The purpose of this docket is to renew the approval of the docket holder’s existing 0.3 mgd RTMA WWTP. No modifications to the WWTP are proposed.

Near the docket holder’s WWTP discharge, the Schuylkill River has an estimated seven-day low flow with a recurrence interval of ten years (Q₇₋₁₀) of 103 mgd (224 cfs). The ratio of this low flow to the hydraulic design wastewater discharge from the 0.30 mgd WWTP is 343 to 1.

The nearest surface water intake of record for public water supply is located on the Schuylkill River approximately 10 River Miles downstream of the docket holder’s WWTP, and is operated by Pottstown Borough 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 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

I. Effective on the approval date for Docket No. D-1983-034 CP-4 below:

a. The project described in Docket No. D-1983-034 CP-3 is removed from the Comprehensive Plan to the extent that they are not included in Docket No. D-1983-034 CP-4; and

b. Docket No. D-1983-034 CP-3 is terminated and replaced by Docket No. D-1983-034 CP-4; and

c. The project and the appurtenant facilities described in Section A “Physical Features” of this docket shall be continued in the Comprehensive Plan.

II. The project and appurtenant facilities as described in Section A “Physical Features” of this docket are approved pursuant to Section 3.8 of the *Compact*, subject to the following conditions:

a. Docket approval is subject to all conditions, requirements, and limitations imposed by the PADEP in its NPDES Permit.

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

c. The facility shall be operated at all times to comply with the requirements of the Commission’s *WQR*. (tidal discharges)

d. The docket holder shall comply with the requirements contained in the EFFLUENT TABLES in Section A.4.d. of this docket. The docket holder shall submit the required monitoring results electronically to the DRBC Project Review Section via email aemr@drbc.state.nj.us on the **Annual Effluent Monitoring Report Form** located at this web address: <http://www.state.nj.us/drbc/programs/project/pr/info.html>. 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.

e. 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*.

f. 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.

g. 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.

h. The docket holder is permitted to treat and discharge wastewaters as set forth in the Area Served Section of this docket, which incorporates by reference Sections B (Type of Discharge) and D (Service Area) of the docket holder's Application to the extent consistent with all other conditions of this DECISION Section.

i. 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.

j. 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).

k. Nothing in this docket approval shall be construed as limiting the authority of DRBC to adopt and apply charges or other fees to this discharge or project.

l. 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.

m. 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 CFR 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 or not DRBC issues a reminder notice in advance of the deadline or the docket holder receives such notice. In the event that 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 against the docket holder pending the grant or denial of the application for docket approval.

n. 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).

o. 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).

p. 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).

q. 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.

r. 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.

s. The docket holder may request of 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.

t. The docket holder is prohibited from treating/pre-treating any hydraulic fracturing wastewater from sources in or out of the Basin at this time. Should the docket holder wish to treat/pre-treat hydraulic fracturing wastewater in the future, the docket holder will need to first apply to the Commission to renew this docket and be issued a revised docket allowing such treatment and an expanded service area. Failure to obtain this approval prior to treatment/pre-treatment will result in action by the Commission.

u.

BY THE COMMISSION

DATE APPROVED: September 13, 2017

EXPIRATION DATE: September 13, 2022