

**DOCKET NO. D-2011-009-2**

**DELAWARE RIVER BASIN COMMISSION**

**PSC Environmental Services, LLC  
Industrial Wastewater Treatment Plant & Importation Project  
Hatfield Township, Montgomery County, Pennsylvania**

**PROCEEDINGS**

This docket is issued in response to an Application submitted to the Delaware River Basin Commission (DRBC or Commission) by PSC Environmental Services, LLC (PSC or docket holder) on June 30, 2014 (Application), for renewal of the docket holder's existing industrial wastewater treatment plant (IWTP). The IWTP is a centralized waste treatment facility (CWTF) that treats industrial waste sources from both in and out of the basin. Approximately twenty percent (20%) of what is collected at the CWTF is treated and discharged to the Hatfield Township Municipal Authority's (HTMA) wastewater treatment plant (WWTP) through the township conveyance system or by truck. The other eighty percent (80%) is trucked in some instances with and in some instances without treatment to other CWTFs, landfills, or cement kilns throughout the United States. The HTMA has required PSC to adhere to effluent limitations in Permit No. 9035 for the portion that is treated at the Facility. The Pennsylvania Department of Environmental Protection (PADEP) issued Hazardous and Residential Waste Transfer and Disposal Permit No. PAD085690592 on February 2, 2009 for the solids collected at the facility. Additionally, the PADEP approved National Pollutant Discharge Elimination System (NPDES) Permit No. PAR900009 for the stormwater discharge from this facility on April 1, 2012.

The Application was reviewed for approval under Section 3.8 of the *Delaware River Basin Compact*. The Montgomery County Planning Commission has been notified of pending action. A public hearing on this project was held by the DRBC on June 9, 2015.

**A. DESCRIPTION**

**1. Purpose.** The purpose of this docket is to renew approval of the docket holder's existing 0.1 million gallons per day (mgd) IWTP and the import of up to 10,000 gallons per day (gpd) or 250,000 gallons per month of non-natural gas related industrial wastewaters by PSC into the basin for the purpose of treatment and conveyance to the HTMA WWTP. The PSC IWTP is a CWTF that pre-treats approximately twenty percent (20%) of the industrial wastewater collected at the facility and conveys it to the HTMA WWTP through the township's existing collection system or via truck for ultimate discharge to the West Branch Neshaminy Creek. The other eighty percent (80%) is trucked in some instances with and in some instances without treatment

to other CWTFs, landfills, or cement kilns throughout the United States (most of which is sent to Du Pont Chambers Works, GROWS Landfill, or Keystone Cement; all of which are located within the Basin). The HTMA WWTP and its associated discharge were last approved by the Commission on July 11, 2012 via Docket No. D-1985-036 CP-2. Renewal of the HTMA WWTP docket is proposed for the June 9 & 10, 2015 Public Hearings (Docket No. D-1985-036 CP-3).

**2. Location.** The PSC IWTP does not have a direct discharge. The HTMA WWTP discharges to West Branch Neshaminy Creek at River Mile 115.63 – 40.01 – 4.0 (Delaware River – Neshaminy Creek – West Branch Neshaminy Creek). The PSC IWTP is located within HTMA’s service area in Hatfield Township, Montgomery County, Pennsylvania as follows:

<b>FACILITY</b>	<b>LATITUDE (N)</b>	<b>LONGITUDE (W)</b>
PSC IWTP	40° 17’ 30”	75° 17’ 9”

**3. Area Served.** The PSC IWTP will continue to receive non-hazardous and hazardous wastes from off-site generators within the continental United States, primarily from Pennsylvania, New York, and New Jersey (both within and outside the basin) at their facility located in Hatfield Township, Montgomery County, Pennsylvania.

PSC accepts liquids in various containers including bulk load containerized totes (e.g. 5,000 gallon tank trucks or cargo trucks), oversized drums, Lab Packed materials in drums, and occasionally smaller pails and containers. The types of hazardous and non-hazardous wastewater from off-site generators (including out-of-Basin waste streams) include, but are not limited to, wastewaters from any of the categorical industries listed in 40 CFR Subchapter N-Effluent Guidelines and Standards and include a wide variety of wastes including, but not limited to, oily wastes, metals and organic chemicals. PSC is not permitted to treat wastewater associated with natural gas development. PSC currently conveys approximately 30,000 gallons per week of treated commercial off-site wastewaters to the HTMA WWTP.

PSC also acts as a temporary storage facility for solid wastes and hazardous chemicals that would cause them to violate their HTMA Permit. These solid wastes and hazardous chemicals (flammable, corrosive, toxic, noxious, malodorous, radioactive, or caustic) are then transported to other hazardous waste facilities throughout the continental United States for handling and/or treatment.

PSC can only accept wastewaters in accordance with the current PADEP approved Facility Permit and Waste Analysis Plan. In addition, any treated wastewaters conveyed to the HTMA system must also meet the conditions in a permit issued to PSC by HTMA and be in accordance with the USEPA pre-treatment program requirements. 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 will continue to operate the 0.1 mgd IWTP that pre-treats hazardous and residual wastes prior to conveyance to the HTMA WWTP and other facilities as noted above. The docket holder does not operate a production or chemical production facility on-site, but instead is a CWTF accepting wastewaters from both inside and outside the basin. Approximately twenty percent (20%) of the wastes delivered to this facility are treated at this CWTF and conveyed to the HTMA WWTP. The other eighty percent (80%) is trucked to other CWTFs, landfills, or cement kilns throughout the United States as described above.

HTMA's WWTP has an average monthly discharge flow of 6.43 mgd. The out of basin wastewater acceptance for PSC is roughly 5,000 to 10,000 gallons per month. Since the out of basin wastewaters are such a small fraction of the flow discharged, no actual modifications have been made to the HTMA WWTP effluent limitations.

b. **Facilities.** The PSC IWTP consists of two (2) alkali receiving tanks (T1 & T2), five (5) special waste tanks (ST-1, ST-2, ST-3, OT-1, & EST), six (6) acid receiving tanks (T3 through T8), two (2) off-site holding tanks (HT-1 & HT-2), eight (8) treatment reagent tanks (R-1 through R-8) that consist of lime, activated carbon, and or sodium sulfide, one (1) photo solution tank, two (2) electrolytic tanks, two (2) effluent holding tanks (ET-1 & ET-2), one (1) equalization tank, two (2) filter presses (FP-1 & FP-2), and one (1) drum filter (VF-2).

All treated wastewaters are batch treated. The batch process system allows for controlled and specific treatment regimens for each treatment batch. The typical batch is 25,000 to 40,000 gallons. Treated wastewater is stored in on-site effluent holding tanks or the equalization tank. The treated wastewater is tested by PSC to ensure that the wastewater meets the effluent limitations in HTMA's Permit No. 9035 prior to being introduced into the HTMA collection system. PSC is also restricted from discharging more than 0.1 mgd of treated industrial wastewater to HTMA's collection system by its permit from HTMA.

Sludge generated at the PSC IWTP by the treatment process is transferred to the facility's solids management area on-site for additional processing and shipment off-site to a state-approved facility.

The project facilities are not located within the 100 year floodplain.

c. **Water withdrawals.** The potable water supply in the project service area is supplied by the North Penn Water Authority (NPWA) whose withdrawal was last approved by the Commission via Docket No. D-92-44 CP-3 on December 7, 2005.

d. **HTMA Permit issued to PSC.** HTMA permits PSC to discharge treated wastewater to its collection system via Permit No. 9035, issued to PSC on July 1, 2012. The permit includes the effluent limitations and conditions for a discharge of up to 0.1 mgd from PSC's IWTP to the HTMA collection system. The following average monthly effluent limits are

among those listed in the HTMA Permit and are consistent with Commission treatment standards.

**EFFLUENT TABLE A-1: DRBC Parameters Included in HTMA Permit**

OUTFALL 01 (IWTP)		
PARAMETER	LIMIT	MONITORING
pH (Standard Units)	5 to 10	As required by HTMA Permit
Total Suspended Solids	539 lbs/day	As required by HTMA Permit
BOD (5-Day at 20° C)	554 lbs/day	As required by HTMA Permit

The requirements in EFFLUENT TABLE A-2 are not listed in the HTMA Permit, were listed in Docket No. D-2011-009-1, and are Commission basin-wide parameters that must continue to be monitored as a condition of this docket approval (See DECISION Condition II.d.).

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

OUTFALL 01 (IWTP)		
PARAMETER	LIMIT	MONITORING
Total Dissolved Solids*	Monitor & Report	Same as TSS frequency
Ammonia Nitrogen	Monitor & Report	Monthly

\* See DECISION Condition II.n.

*HTMA has required PSC to meet pre-treatment effluent limitations for Phosphorous, Total Kjeldahl Nitrogen, and Nitrate + Nitrite as Nitrogen. These parameters are not required to be monitored by the DRBC outside of Special Protection Waters.*

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

## **B. FINDINGS**

The purpose of this docket is to renew approval of the docket holder's existing 0.1 mgd IWTP and the import of up to 10,000 gpd or 250,000 gallons per month of non-natural gas related industrial wastewaters by PSC into the basin for the purpose of treatment and conveyance to the HTMA WWTP. The PSC IWTP is a CWTF that pre-treats approximately 20% of the industrial wastewater collected at the facility and conveys it to the HTMA WWTP through the township's existing collection system or via truck for ultimate discharge to the West Branch Neshaminy Creek. The other 80% is trucked in some instances with and in some instances without treatment to other CWTFs, landfills, or cement kilns throughout the United States (most of which is sent to Du Pont Chambers Works, GROWS Landfill, or Keystone Cement; all of which are located within the Basin).

The nearest surface water intake of record for public water supply downstream of the HTMA WWTP is located on Neshaminy Creek approximately 34 River Miles away, 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 project is designed to produce a discharge meeting the effluent requirements as set forth in the Commission's *Water Quality Regulations (WQR)* at the HTMA WWTP discharge.

### C. DECISION

I. Effective on the approval date for Docket No. D-2011-009-2 below, Docket No. D-2011-009-1 is terminated and replaced by Docket No. D-2011-009-2.

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 HTMA in its NPDES Permit, and such conditions, requirements, and limitations are incorporated herein, unless they are less stringent than the Commission's.

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*.

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/application/index.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 convey 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. 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.

j. 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.

k. Unless an extension is requested and approved by the Commission in advance, in accordance with paragraph 11 of the Commission's Project Review Fee schedule (Resolution No. 2009-2), the docket holder is responsible for timely submittal of a docket renewal application on the appropriate DRBC application form at least 12 months in advance of the docket expiration date set forth below. The docket holder will be subject to late charges 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 (or the later date established by an extension that has been timely requested and approved), 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.

l. 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.

m. 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.

n. 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.

o. 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.

**BY THE COMMISSION**

**DATE APPROVED: June 10, 2015**

**EXPIRATION DATE: June 30, 2024**