

DOCKET NO. D-2006-013-3

DELAWARE RIVER BASIN COMMISSION

Discharge to a Tributary of Special Protection Waters

**Skytop Lodge Corporation
Wastewater Treatment Plant
Barrett Township, Monroe County, Pennsylvania**

PROCEEDINGS

This docket is issued in response to an Application submitted to the Delaware River Basin Commission (DRBC or Commission) by R.K.R. Hess Associates on behalf of Skytop Lodge Corporation (Skytop or docket holder) on September 23, 2015 (Application) for renewal of its existing wastewater treatment plant (WWTP) and its discharge. The Pennsylvania Department of Environmental Protection (PADEP) issued the National Pollutant Discharge Elimination System (NPDES) Permit No. PA0029874 for the project on April 1, 2011.

The Application was reviewed for approval under Section 3.8 of the *Delaware River Basin Compact*. The Monroe County Planning Commission has been notified of pending action. A public hearing on this project was held by the DRBC on February 15, 2017.

A. DESCRIPTION

- 1. Purpose.** The purpose of this docket is to renew approval of the docket holder's existing 0.075 million gallon per day (mgd) WWTP. No modifications to the WWTP are proposed.
- 2. Location.** The WWTP is located off Falls Road in Barrett Township, Monroe County, Pennsylvania. The WWTP will continue to discharge treated wastewater effluent to the Leavitt Branch, which is a tributary to the Brodhead Creek, at River Mile 213 – 21.2 – 3.8 (Delaware River – Brodhead Creek – Leavitt Branch). The discharge is located in the drainage area to the Middle Delaware Special Protection Water (SPW) Area.

The project outfall is located in the Brodhead Creek Watershed as follows:

OUTFALL NO.	LATITUDE (N)	LONGITUDE (W)
001	41° 13' 20"	75 ° 14' 29"

- 3. Area Served.** The WWTP receives wastewater flows from the Skytop Lodge Resort and some surrounding area in Barrett Township, Monroe 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 0.075 mgd WWTP utilizes an Imhoff tank / trickling filter treatment system with chlorine contact disinfection.

b. **Facilities.** The WWTP facilities consist of a manually cleaned bar screen, two (2) Imhoff tanks, a trickling filter, and the addition of sodium hypochlorite prior to the secondary settling / chlorine contact tank.

The docket holder's WWTP discharges to waters classified as SPW and is required to have available standby power. The docket holder indicated in the Application that the existing WWTP is equipped with a propane-fired generator installed capable of providing standby power.

The docket holder's WWTP is required to be staffed 24 hours per day or have a remote alarm system that continuously monitors plant operations in accordance with the Commission's SPW requirements. The docket holder indicated in the Application that the WWTP is equipped with a remote alarm system.

The docket holder's has prepared and implemented an emergency management plan (EMP) for the existing WWTP in accordance with Commission SPW requirements.

The project facilities are not located in the 100 year flood hazard area.

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 of the docket holder's WWTP is provided by groundwater wells owned and operated by the docket holder and individual wells. The wells are operated at a withdrawal rate below the DRBC groundwater withdrawal review threshold and are not subject to Commission review and approval.

d. **NPDES Permit / DRBC Docket.** NPDES Permit No. PA0029874 was issued by the PADEP on April 1, 2011 and includes final effluent limitations for the project discharge of 0.6 mgd to surface waters classified by the PADEP as High Quality – Cold Water Fishery (HQ-CWF). 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 for Outfall 001

OUTFALL 001 (Leavitt Branch)		
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-Day at 20° C)	25 mg/l	As required by NPDES permit
Ammonia Nitrogen (5-1 to 10-31)	9.0 mg/l	As required by NPDES permit
Fecal Coliform (5-1 to 9-30) (10-1 to 4-30)	200 colonies per 100 ml as a geo. avg. 2,000 colonies per 100 ml as a geo. avg.	As required by NPDES permit
Dissolved Oxygen	6.0 mg/l minimum	As required by NPDES permit
Total Dissolved Solids*	1,000 mg/l	As required by NPDES permit
Total Kjeldahl Nitrogen	Monitor and Report	As required by NPDES permit
Nitrate + Nitrite as N	Monitor and Report	As required by NPDES permit
Total Phosphorous	Monitor and Report	As required by NPDES permit

* See Condition II.q. in the Decision section

The requirements in EFFLUENT TABLE A-2 are not listed in the NPDES Permit, but are Commission basin-wide and SPW specific parameters that are required to be met as a condition of this docket approval.

EFFLUENT TABLE A-2: DRBC Parameters Not Included in NPDES Permit for Outfall 001

OUTFALL 001 (Leavitt Branch)		
PARAMETER	LIMIT	MONITORING
Ammonia Nitrogen (11-1 to 4-30)	20 mg/l	Twice Per Month
CBOD (5-Day at 20° C) Influent	Monitor and Report	Twice Per Month

B. FINDINGS

The docket holder submitted an application to renew the approval of the existing 0.075 mgd WWTP.

In 1992, the DRBC adopted Special Protection Waters (SPW) requirements, as part of the DRBC Water Quality Regulations (*WQR*), designed to protect existing high water quality in applicable areas of the Delaware River Basin. One hundred twenty miles of the Delaware River from Hancock, New York downstream to the Delaware Water Gap were classified by the DRBC as SPW. This stretch includes the sections of the river federally designated as "Wild and Scenic" in 1978 -- the Upper Delaware Scenic and Recreational River and the Delaware Water Gap National Recreation Area -- as well as an eight-mile reach between Milrift and Milford, Pennsylvania which is not federally designated. The SPW regulations apply to this 120-mile stretch of the river and its drainage area, known as the Upper/Middle Delaware River SPW area.

On July 16, 2008, the DRBC approved amendments to its *WQR* that provide increased protection for waters that the Commission classifies as SPW. The portion of the Delaware River and its tributaries within the boundary of the Lower Delaware River Management Plan Area was approved for SPW designation and clarity on definitions and terms were updated for the entire program.

The docket holder's WWTP discharges to the drainage area to the Middle Delaware River SPW. The docket holder's WWTP discharge is required to comply with the SPW requirements, as outlined in Article 3.10.3A.2. of the *WQR*.

Article 3.10.3A.2.e.1). and 2). of the Commission's *WQR* states that projects subject to review under Section 3.8 of the Compact that are located in the drainage area of SPW must submit for approval a Non-Point Source Pollution Control Plan (NPSPCP) that controls the new or increased non-point source loads generated within the portion of the docket holder's service area which is also located within the drainage area of SPW. The service area of the docket holder is located in the drainage area to the SPW. Since this project does not entail additional construction and expansion of facilities/service area and there are no new or increased non-point source loads associated with this approval, the NPSPCP requirement is not applicable at this time. Accordingly, DECISION Condition II.m. has been included in this docket.

Near the project site, the Lehigh River has an estimated seven-day low flow with a recurrence interval of ten years of 0.15 mgd (0.23 cfs). The ratio of this low flow to the average design wastewater discharge (0.075 mgd) from the WWTP is approximately 2:1.

The nearest surface water intake of record for public water supply is located on the Brodhead Creek approximately 15 river miles downstream of the docket holder's WWTP discharge, and is operated by the Brodhead Creek Regional 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 *WQR*.

C. DECISION

I. Effective on the approval date for Docket No. D-2006-013-3 below, Docket No. D-2006-013-2 is terminated and replaced by Docket No. D-2006-013-3.

II. The project and appurtenant facilities as described in the 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, 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* and *Flood Plain Regulations (FPR)*.
- 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, wildlife, and/or other aquatic life 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. Prior to allowing connections from any new service areas or any new developments, the docket holder shall either submit and have approved by the Executive Director of the DRBC a Non-Point Source Pollution Control Plan (NPSPCP) in accordance with Section 3.10.3.A.2.e, or receive written confirmation from the Executive Director of the DRBC that the new service area is in compliance with a DRBC approved NPSPCP.

n. Unless the docket holder requests an application submittal extension, and the extension is 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 six (6) 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.

o. 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.

p. 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.

q. 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.

r. 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.

s. 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.

t. Prior to the docket holder initiating any substantial alterations or additions to the existing WWTP as defined in Section 3.10.3A2.a.16) of the Commission’s *WQR*, an application must be submitted and approved by the Commission. Such an application shall be submitted prior to final design to ensure that the Commission can provide the docket holder with draft effluent limitations for SPW specific parameters as guidance for design as to not require duplication of work or cause a substantial expenditure of public funds without Commission approval. The docket holder is encouraged to contact the Commission staff during the planning stages to identify the potential effluent limitations required to meet the no measurable change parameters under SPW.

BY THE COMMISSION

DATE APPROVED: March 15, 2017

EXPIRATION DATE: January 31, 2022