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DOCKET NO. D-2017-011-1

DELAWARE RIVER BASIN COMMISSION

Discharge to a Tributary of Special Protection Waters

Lake Bryn Mawr Camp, Inc.

Wastewater Treatment Plant

Oregon Township, Wayne County, Pennsylvania

PROCEEDINGS

This docket is issued in response to an Application submitted to the Delaware River Basin Commission (DRBC or Commission) by Portland Contractors, Inc. on behalf of Lake Bryn Mawr Camp, Inc. (LBMC or docket holder) on October 13, 2017 (Application), for approval of the existing wastewater treatment plant (WWTP) and its discharge. National Pollutant Discharge Elimination System (NPDES) Permit No. PA0044466 for this facility was issued by the Pennsylvania Department of Environmental Protection (PADEP) on July 24, 2017, effective August 1, 2017.

The Application was reviewed for approval under Section 3.8 of the *Delaware River Basin Compact*. The Wayne County Planning Commission has been notified of pending action. A public hearing on this project was held by the DRBC on August 17, 2018.

A. DESCRIPTION

1. Purpose. The purpose of this docket is to approve the existing LBMC 0.012 million gallons per day (mgd) WWTP and its discharge.

2. Location. The WWTP discharge will continue to discharge treated effluent to an unnamed tributary (UNT) to Big Brook at River Mile 277.8 – 26.1 – 4.9 – 0.75 – 0.68 (Delaware River – Lackawaxen River – Dyberry Creek – Big Brook – UNT Big Brook) via Outfall No. 001, within the drainage area to the Upper Delaware Special Protection Waters (SPW), in Oregon Township, Wayne County, Pennsylvania as follows:

OUTFALL NO.	LATITUDE (N)	LONGITUDE (W)
001	41° 38' 50"	75° 15' 4"

3. **Area Served.** The applicant's WWTP will continue to serve the on-site camp located in Wayne 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 existing 0.012 mgd LBMC WWTP utilizes a facultative lagoon treatment process with chlorine disinfection.

b. **Facilities.** The WWTP facilities consist of a primary lagoon, a secondary lagoon, a holding tank, and two chlorine contact tanks.

The docket holder's wastewater treatment facility discharges to waters classified as SPW and is required to have available standby power. The docket holder is required as part of the continued discharge to install a generator capable of providing standby power (See DECISION Condition C.I.m.).

The docket holder's wastewater treatment facility is not staffed 24 hours per day, and shall have a remote alarm system that continuously monitors plant operations in accordance with the Commission's SPW requirements. The docket holder is required as part of the continued discharge to install remote alarm systems (See DECISION Condition C.I.l.).

The docket holder has not prepared and implemented an emergency management plan (EMP) for the existing WWTP in accordance with Commission SPW requirements. The docket holder is required as part of this docket approval to prepare and implement an EMP within 6 months of approval of this docket (See DECISION Condition C.I.l.).

The project facilities are not located in the 100-year floodplain.

c. **Water withdrawals.** The potable water supply in the project service area is provided on-site wells owned by the Lake Bryn Mawr Camp. 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. **Effluent Requirements.** . EFFLUENT TABLES A-1 and A-2 below contain effluent requirements for DRBC parameters that must be met as a condition of this approval (See DECISION Condition C.I.c.). NPDES Permit No. PA0044466 was issued by the PADEP on July 24, 2017, (effective August 1, 2017) and includes final effluent limitations for the project discharge of 0.12 mgd to surface waters classified by the PADEP as supporting exceptional

value waters (EV). 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 (Discharging to UNT to Big Brook)		
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
Dissolved Oxygen*	5.0 mg/l (minimum at all times)*	As required by NPDES Permit
CBOD ₅ (at 20° C)	25 mg/l	As required by NPDES Permit
Ammonia Nitrogen**	Monitor & Report**	As required by NPDES Permit
Fecal Coliform	200 colonies per 100 ml as a geo. avg.	As required by NPDES Permit
Total Phosphorus***	Monitor & Report	See EFFLUENT TABLE A-2
Total Nitrogen***	Monitor & Report	See EFFLUENT TABLE A-2
Total Kjeldahl Nitrogen***	Monitor & Report	See EFFLUENT TABLE A-2
Nitrate-Nitrite as N***	Monitor & Report	See EFFLUENT TABLE A-2

* NPDES Permit No. PA0044466 has required that a minimum limit of 5.0 mg/l for dissolved oxygen through July 31, 2020, a minimum limit of 6.0 mg/l at all times will be effective thereafter.

**NPDES Permit No. PA0044466 has required the monitoring and reporting for ammonia nitrogen through July 31, 2020. Thereafter, ammonia monthly limits of 5.37 mg/l from November 1st to April 30th and 1.79 mg/l from May 1st to October 31st.

***DRBC Monitor and Reporting requirements are reflected below in EFFLUENT TABLE A-2

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

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

OUTFALL 001 (Discharging to an UNT to Big Brook)		
PARAMETER	LIMIT	MONITORING
Total Dissolved Solids*	Monitor & Report*	Quarterly
CBOD ₅ (at 20° C) Influent	Monitor & Report	Monthly, paired with CBOD ₅ effluent monitoring sample
CBOD ₅ (at 20° C)	85% Minimum Removal	Monthly, paired with CBOD ₅ effluent monitoring sample
Total Phosphorus	Monitor & Report	Monthly
Total Nitrogen	Monitor & Report	Monthly
Total Kjeldahl Nitrogen	Monitor & Report	Monthly
Nitrate-Nitrite as N	Monitor & Report	Monthly

* See DECISION Condition C.I.t.

B. FINDINGS

The purpose of this docket is to approve the existing 0.012 mgd Lake Bryn Mawr Camp and its discharge.

In 1992, the DRBC adopted 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 has been 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.

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 Upper 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 or 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 C.I.k. has been included in this docket.

At the WWTP discharge location, the UNT Big Brook 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 Delaware River approximately 125 River Miles downstream of the existing WWTP, and is operated by Easton Suburban 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-2017-001-1, 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. The facility and operational records shall be available at all times for inspection by the DRBC.

b. The facility shall be operated at all times to comply with the requirements of the Commission's *WQR* and Flood Plain Regulations (*FPR*). (non-tidal discharges)

c. 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.

d. 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*.

e. 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.

f. 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.

g. 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.

h. 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.

i. 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).

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. 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 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.

l. The docket holder shall provide for standby power, install remote alarm controls and prepare an emergency management plan (EMP) within 6 months of docket approval. The docket holder shall submit the EMP and certify in writing to the Commission that it has complied with this condition by March 15, 2019.

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. 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

APPROVAL DATE:

EXPIRATION DATE: July 31, 2022