

Application Type Renewal
 Facility Type Non-Municipal
 Major / Minor Minor

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Application No. PA0061026
 APS ID 911808
 Authorization ID 1275828

Applicant and Facility Information

Applicant Name	<u>Coastal Environmental, Inc</u>	Facility Name	<u>Ski Side Village and Chateau Resort</u>
Applicant Address	<u>742 Ann Street</u> <u>Stroudsburg, PA 18360</u>	Facility Address	<u>Ski Side Village</u> <u>Tannersville, PA 18372</u>
Applicant Contact	<u>Gene Percadani</u>	Facility Contact	<u>David Scholtz</u>
Applicant Phone	<u>(570) 460-2890</u>	Facility Phone	<u>(570) 629-2981</u>
Client ID	<u>327146</u>	Site ID	<u>2573</u>
Ch 94 Load Status	<u>-</u>	Municipality	<u>Pocono Township</u>
Connection Status	<u>-</u>	County	<u>Monroe</u>
Date Application Received	<u>June 3, 2019</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>June 7, 2019</u>	If No, Reason	<u></u>
Purpose of Application	<u>Renewal of an existing NPDES permit to discharge up to 0.037 mgd of treated sewage.</u>		

Summary of Review

The applicant is requesting renewal of NPDES Permit No. PA0061026 to authorize a discharge of up to 0.037 mgd of treated sewage from a minor sewage treatment plant into Pocono Creek in State Water Plan Watershed 01-E. The average flow in 2018 was 0.008 mgd. The receiving tributary is designated for High Quality-Cold Water Fishes and Migratory Fish (HQ-CWF, MF). Per the Department's existing use list, the receiving tributary does not have an existing use classification. The STP does not have a DRBC Docket. Pocono Creek is listed as 'Supporting' in the 2018 report Pennsylvania Integrated Water Quality Monitoring and Assessment Report. The discharge is not expected to affect public water supplies.

TRC limitations in the previously issued permit were old technology-based limitations (1.2 mg/L monthly average, 2.8 mg/L IMAX). Per PA Code 92a.47(a)(8), which references 92a.48(b)(2), a monthly average TRC facility-specific BAT effluent limit of 0.5 mg/L and an IMAX limit of 1.6 mg/L is applied to the permit. In addition, a technology-based effluent limit of 4.0 mg/L for Dissolved Oxygen has been added to the permit.

Sampling frequencies have been updated in accordance with Table 6-3 of DEP's Technical Guidance for the Development and Specification of Effluent Limits; the sampling frequencies for CBOD₅, Total Suspended Solids, Fecal Coliform, and Ammonia-Nitrogen have increased from 1/month to 2/month.

The most recent 'Sewage Sludge / Biosolids Production and Disposal' Supplemental Report from February 2019 declared that sludge was hauled by Newhart to the Greater Hazleton Joint Sewer Authority's WWTP.

The WMS query 'Inspections Report' was performed. A Compliance Evaluation was performed at the facility on 3/5/2019; one (1) violation was noted – "NPDES - Failure to properly operate and maintain all facilities which are installed or used by the permittee to achieve compliance." On 4/3/19, a Follow-up Inspection was performed, and no violations were noted. The plant operator submitted a letter on 5/1/2019 which details responses to the 3/5/19 Inspection Report; the letter is in the Department's correspondence file.

Approve	Deny	Signatures	Date
X		/s/ Joseph Cherinko, E.I.T. / Environmental Engineering Specialist	October 17, 2019
X		/s/ Amy M. Bellanca, P.E. / Environmental Engineer Manager	October 17, 2019

Summary of Review

The WMS query 'Open Violations by Client' was performed. There are two open violations, one of which relates to the facility's existing NPDES permit:

3/5/19 – Violation ID 843578 – WPC NPDES: NPDES - Failure to properly operate and maintain all facilities which are installed or used by the permittee to achieve compliance.

4/16/19 – Violation ID 846826 – Safe Drinking Water: Failure to post Tier 1 Public Notice within 24 hrs. of determining that an imminent threat exists.

The existing permit was transferred from Pocono Holding Corporation to Coastal Environmental, Inc. in April 2016.

The existing NPDES permit expires on November 30, 2019. The renewal application was received timely on June 3, 2019.

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.037
Latitude	41° 3' 33"	Longitude	-75° 20' 58"
Quad Name	Mount Pocono	Quad Code	1043
Wastewater Description: Sewage Effluent			
Receiving Waters	Pocono Creek (HQ-CWF, MF)	Stream Code	4779
NHD Com ID	26158536	RMI	13.8
Drainage Area	9.0	Yield (cfs/mi ²)	0.049
Q ₇₋₁₀ Flow (cfs)	0.438	Q ₇₋₁₀ Basis	USGS StreamStats
Elevation (ft)	1218	Slope (ft/ft)	-
Watershed No.	1-E	Chapter 93 Class.	HQ-CWF, MF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	-		
Source(s) of Impairment	-		
TMDL Status	-	Name	-
Background/Ambient Data		Data Source	
pH (SU)	-		-
Temperature (°F)	-		-
Hardness (mg/L)	-		-
Other:	-		-
Nearest Downstream Public Water Supply Intake	Easton Suburban Water Authority		
PWS Waters	Delaware River	Flow at Intake (cfs)	464
PWS RMI	110.4	Distance from Outfall (mi)	46.5

Changes Since Last Permit Issuance: Stream yield has been adjusted from the default value of 0.100 cfs/mi² to 0.049 cfs/mi², which was determined using the USGS StreamStats Tool.

Other Comments: USGS Gage 01441495 (Pocono Creek at Wigwam Run near Stroudsburg, PA) is the nearest USGS gage. It is located approximately 10 miles downstream.

Treatment Facility Summary				
Treatment Facility Name: Ski Side Village and Chateau Resort STP				
WQM Permit No.		Issuance Date		
4584405		7/23/1984		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Extended Aeration	Chlorine	0.037
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.037	61.7	Not Overloaded	Holding Tank	Hauled Offsite

Development of Effluent Limitations

Outfall No. <u>001</u>	Design Flow (MGD) <u>.037</u>
Latitude <u>41° 3' 33"</u>	Longitude <u>-75° 20' 58"</u>
Wastewater Description: <u>Sewage Effluent</u>	

Technology-Based Limitations

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Pollutant	Limit (mg/l)	SBC	Federal Regulation	State Regulation
Total Suspended Solids	30.0	Average Monthly	133.102(b)(1)	92a.47(a)(1)
	60.0	IMAX	-	-
pH	6.0 – 9.0 S.U.	Min – Max	133.102(c)	95.2(1)
Fecal Coliform (5/1 – 9/30)	200 / 100 ml	Geo Mean	-	92a.47(a)(4)
Fecal Coliform (5/1 – 9/30)	1,000 / 100 ml	IMAX	-	92a.47(a)(4)
Fecal Coliform (10/1 – 4/30)	2,000 / 100 ml	Geo Mean	-	92a.47(a)(5)
Fecal Coliform (10/1 – 4/30)	10,000 / 100 ml	IMAX	-	92a.47(a)(5)
Dissolved Oxygen	4.0	Minimum	-	-
Total Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)
	1.6	IMAX	-	-

Comments: The limits for Total Residual Chlorine are more stringent in the new permit. All other limits remain unchanged.

A technology-based limit of 4 mg/L for dissolved oxygen has been added to the permit.

Water Quality-Based Limitations

The following limitations were determined through water quality modeling:

Parameter	Limit (mg/l)	SBC	Basis
CBOD ⁵ (5/1 – 10/31)	10.0	Average Monthly	Existing Limit - Pollution Report
	20.0	IMAX	Existing Limit - Pollution Report
CBOD ⁵ (11/1 – 4/30)	20.0	Average Monthly	Existing Limit - Pollution Report
	40.0	IMAX	Existing Limit - Pollution Report
NH ³ -N (5/1 – 10/31)	3.5	Average Monthly	Existing Limit - Pollution Report
	10.5	IMAX	Existing Limit - Pollution Report
NH ³ -N (11/1 – 4/30)	7.0	Average Monthly	Existing Limit - Pollution Report
	21.0	IMAX	Existing Limit - Pollution Report

Comments: CBOD5 and NH3-N were evaluated using WQM 7.0. The modeling program returned limits that were less stringent than existing limits. The existing limits are derived from a 1987 Pollution Report. The more stringent limits will continue to apply in accordance with anti-backsliding efforts.

The yearly sampling requirements for Total Nitrogen, Nitrate-Nitrite as N, Total Kjeldahl Nitrogen, and Total Phosphorous remain in the permit.