

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

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application No. PA0061948
APS ID 1068838
Authorization ID 1466286

Applicant and Facility Information

Applicant Name <u>Cedarville Investment Group LLC</u>	Facility Name <u>Cedarville WWTP</u>
Applicant Address <u>3008 Willow Court</u> <u>Bethlehem, PA 18020-7690</u>	Facility Address <u>1500 Rock Street</u> <u>Lehigh, PA 18235-9383</u>
Applicant Contact <u>Kuldeep Kumar</u>	Facility Contact <u>James Dellavalierre</u>
Applicant Phone <u>(516) 849-1010</u>	Facility Phone <u>(570) 249-7220</u>
Client ID <u>371658</u>	Site ID <u>1823</u>
Ch 94 Load Status <u>Not Overloaded</u>	Municipality <u>Franklin Township</u>
Connection Status <u>No Limitations</u>	County <u>Carbon</u>
Date Application Received <u>December 22, 2023</u>	EPA Waived? <u>Yes</u>
Date Application Accepted <u>December 22, 2023.</u>	If No, Reason <u></u>
Purpose of Application <u>Renewal NPDES sewage + transfer</u>	

Summary of Review

The applicant is requesting the renewal of an NPDES permit to discharge up to 0.019 MGD of treated sewage into Pohopoco Creek, a Cold-Water Fishery, Migratory Fish (CWF, MF) receiving stream in State Water Plan Basin 2-B (Middle Lehigh River). As per the Department's current existing use list, the receiving stream does not have an existing use classification that is more protective than its designated use. This stream segment is designated as a naturally reproducing trout stream as per PA Fish & Boat Commission. This discharge is not expected to affect public water supplies.

This permit renewal will also incorporate the transfer of the existing NPDES from previous permittee, Llyod Otto, LLC, Client # 336456, to this proposed permittee Cedarville Investment Group, LLC, Client # 371658. As of today, the permittee is working on submitting eDMR transfer forms to DEP's Central Office.

Limitations for pH, CBOD₅, Total Suspended Solids (TSS), and Fecal Coliform are technology-based and carried over from the previous permit. Limitations for Dissolved Oxygen (DO) are water quality-based and carried over from the previous permit. WQM 7.0 modeling did not recommend stricter limits. See Model results attached.

As per PA Code 92a.47(a)(8) (which refers to PA Code 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 will stay in this renewed permit. The TRC calculation Spreadsheet did not recommend more stringent water quality-based limitations (see TRC model attached).

E-coli annual monitoring is added to this permit based on new Standard Operating Procedures (SOP) updated February 5, 2024.

All monitoring and reporting requirements in the DRBC docket number No. D-2014-017 CP-2 from the previous permit are kept in this renewal permit.

Monitoring frequencies for all parameters with limitations have been updated to the recommended frequencies found in Table 6-3 of DEP's Technical Guidance for the Development and Specification of Effluent Limitations (**Document No. 386-0400-001**) of June 28, 2023.

Stream gage 1449800 (Pohopoco Creek below Beltzville Dam near Parryville, PA) was used as a reference gage to develop the low flow yield (LFY) of 0.17 cfs/mi², which was used to model the discharge. This is the same stream gage that was used for modeling in the 1988 Pollution Report. The Q₇₋₁₀ and drainage area at gage 1449800 were obtained from USGS's Open

Summary of Review

File Report 2011-1070. The state-wide default LFY of 0.10 cfs/mi² was also used to model the discharge and resulted in the same limitations. RMI values were obtained using the Department's eMapPA, drainage areas were delineated using USGS's StreamStats interactive map, and elevations were obtained using the elevation profile tool on StreamStats.

Q₇₋₁₀ from the stream gage value of 16.5 cfs was used to model the discharge for TRC and WQM7.1

This existing permit expired February 02, 2024 and the renewal permit was received on time.

WMS query by client report was run and there is one pending violation as follow:

INSP PROGRAM	PROGRAM SPECIFIC ID	INSP ID	VIOLATION ID	INSPECTION CATEGORY	VIOLATION DATE	VIOLATION CODE	VIOLATION	PF INSPECTOR
WPC NPDES	PA0061948	3440421	972197	PF	10/06/2022	92A.62	NPDES - Failure to pay annual fee	CONFER, SCOTT



summary of basins
delineations.pdf



TRC Model
results.pdf



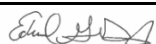
WQM Model
results.pdf



1988 Pollution
Report.pdf

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.

Approve	Deny	Signatures	Date
X		Hakim Yesli (signed) Hakim Yesli / Environmental Engineering Specialist	July 17, 2025
X		 Edward Dudick, P.E. / Environmental Engineer Manager	July 18, 2025



Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.019
Latitude	40° 50' 11.93"	Longitude	-75° 40' 24.98"
Quad Name		Quad Code	
Wastewater Description: Sewage Effluent			
Receiving Waters	Pohopoco Creek (CWF, MF)	Stream Code	3917
NHD Com ID	26289125	RMI	2.9
Drainage Area	109	Yield (cfs/mi ²)	0.17
Q ₇₋₁₀ Flow (cfs)	16.5	Q ₇₋₁₀ Basis	USGS gage 1449800
Elevation (ft)	465	Slope (ft/ft)	
Watershed No.	2-B	Chapter 93 Class.	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			
pH (SU)		Data Source	
Temperature (°F)			
Hardness (mg/L)			
Other:			
Nearest Downstream Public Water Supply Intake			
PWS Waters	Lehigh River	Flow at Intake (cfs)	
PWS RMI	28.4	Distance from Outfall (mi)	~18.7

Treatment Facility Summary

Treatment Facility Name: Cedarville WWTP

WQM Permit No.	Issuance Date
1317401	12/05/2017

Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Extended Aeration	Chlorination/ Dechlorination	0.019
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.019	32	Not Overloaded	Holding Tank	Hauled

Development of Effluent Limitations

Outfall No. 001
Latitude 40° 50' 12.00"
Wastewater Description: Sewage Effluent

Design Flow (MGD) .019
Longitude -75° 40' 28.00"

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
CBOD ₅	25.0	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
	50.0	IMAX	133.102(a)(4)(ii)	92a.47(a)(2)
Total Suspended Solids	30.0.	Average Monthly	133.102(b)(1)	92a.47(a)(1)
	60.0	IMAX	133.102(b)(2)	92a.47(a)(2)
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)
Total Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)
	1.6	IMAX		
Ammonia-Nitrogen	Report	Average Monthly	-	BPJ

Water Quality-Based Limitations

Parameter	Limit (mg/l)	SBC	Model
Dissolved Oxygen	6.0	Minimum	1988 Pollution Report
CBOD5 Minimum Percent Removal (%)	85%	Average Monthly	DRBC Docket No. D-2014-017 CP-2
Carbonaceous Biochemical Oxygen Demand (CBOD5) Raw Sewage Influent	Report	Average Monthly	
Total Dissolved Solids	1,000	Average Quarterly	
Nitrate-Nitrite as N	Report	Average Quarterly	