

Application Type

Renewal

Facility Type

Non-Municipal

Major / Minor

Minor

Application No.

PA0070092

APS ID

504036

Authorization ID

1461250

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Applicant and Facility Information

Applicant Name	John M & Van Daniel Yetter	Facility Name	Evergreen Village MHP
Applicant Address	Evergreen Village Cooperative Inc	Facility Address	Evergreen Road
	Camp Hill, PA 17001		Upper Mount Bethel Twp, PA 18343
Applicant Contact	Kimberly Nicholson	Facility Contact	David Scholtz
Applicant Phone	(717) 635-2437	Facility Phone	(570) 629-2981
Client ID	79673	Site ID	256354
Ch 94 Load Status	Not Overloaded	Municipality	Upper Mount Bethel Township
Connection Status		County	Northampton
Date Application Received	November 1, 2023	EPA Waived?	Yes
Date Application Accepted		If No, Reason	
Purpose of Application	RENEWAL OF EXISTING NPDES PERMIT.		

Summary of Review

The applicant is requesting the renewal of an NPDES permit to discharge up to 0.049 MGD of treated sewage into a Tributary 04723 to Allegheny Creek, a CWF, MF (Cold Water Fishery, Migratory Fish) receiving stream in State Water Plan Basin 1-F (Jacoby – Bushkill Creek). 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.

The coordinates provided for Outfall 001 in the new permit application placed the outfall approximately 6 miles north of the site and did not match the previous permit's coordinates for the outfall. Therefore, the old coordinates were used. This is a reoccurring issue as the previous permit application also had this mistake.

The method of disinfection for this facility is with sodium hypochlorite. D-Chlor is used for de-chlorination, and aluminum sulfate is used for coagulation.

Sewage sludge generated from this facility is 4.2 dry tons annually. This sludge is transported off site to a facility in Lehigh County. Part C: 110A Solids Management special conditions has been carried over to this permit from previous permit.

A standard low flow yield (LFY) of 0.1 cfs/mi² was used to model the discharge. 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.

Limitations for pH, Total Suspended Solids (TSS), and Fecal Coliform are technology-based and carried over from the previous permit. Limitations for CBOD₅, Dissolved Oxygen, and Ammonia-Nitrogen are water quality-based and carried over from the previous permit. TRC limitations from previous permit are carried over recommended.

E. Coli monitoring requirements will be introduced into new permit according to PA DEP policy for individual sewage effluent limitations. E. Coli requirements for a treatment plant with less than .05mgd discharge is found in the SOP for establishing effluent limitations for individual sewage.

Approve	Deny	Signatures	Date
X		William Hon (signed) William Hon / Environmental Engineer Trainee	July 16, 2024
X		Amy M. Bellanca, P.E. / Acting Environmental Manager	7-16-24

Summary of Review

The previous permit expired on 12/31/2023. The renewal application was received and processed by the DEP on 11/14/2023. The previous permit was administratively extended on 11/21/2023 via email. ~~The only existing violation for this client is the late application submission. Last inspection at this facility was on 09/25/2023. There are open violations for this client: with one NOV: NPDES - Failure to submit NPDES renewal application at least 180 days prior to expiration or later approved date. There are no open violations for this client that warrant withholding issuance of this permit.~~

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Modeling Inputs:

Pt. 1 at Outfall

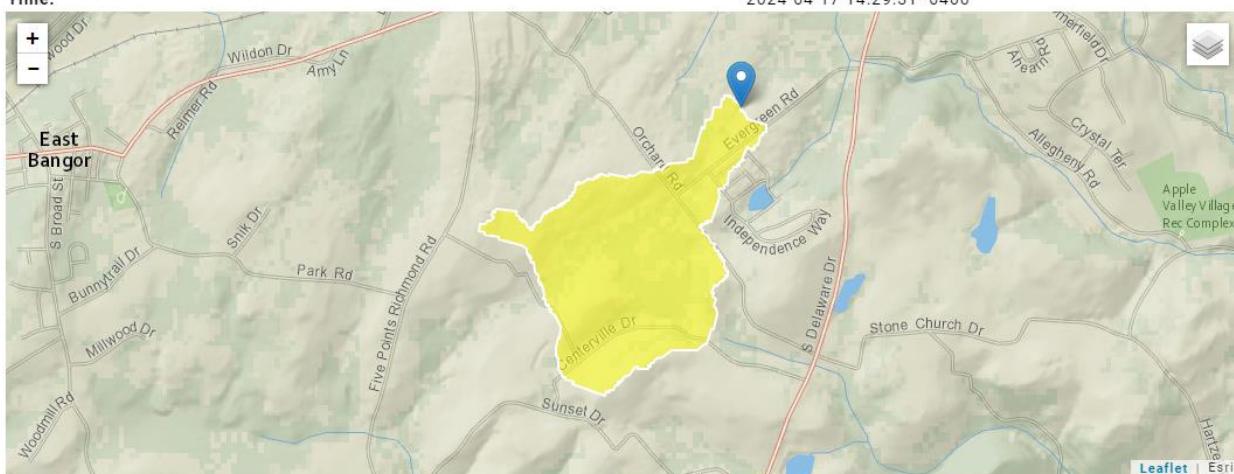
L7.10: .1

Clicked Point (Latitude, Longitude):

40.88195, -75.13256

Time:

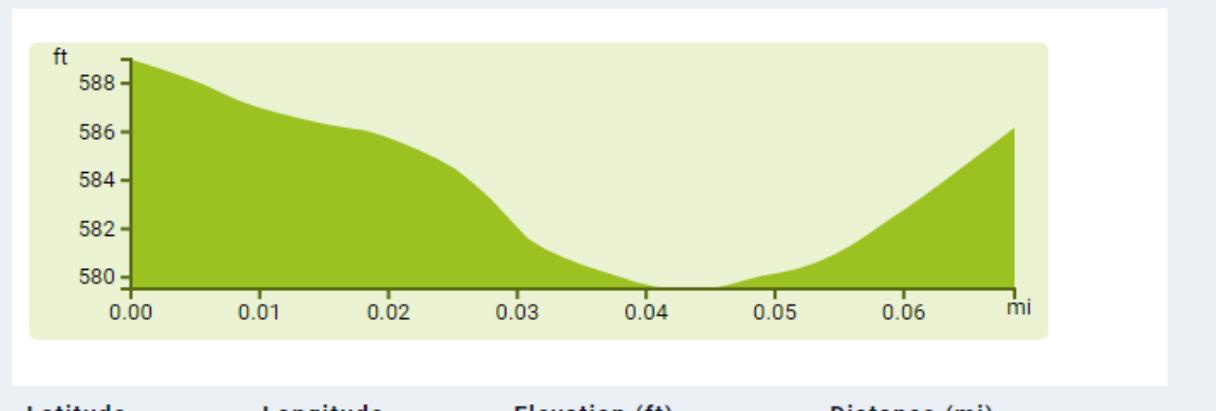
2024-04-17 14:29:31 -0400



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► Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.55	square miles



Summary of Review

Pt 2. At conflux with Allegheny Creek

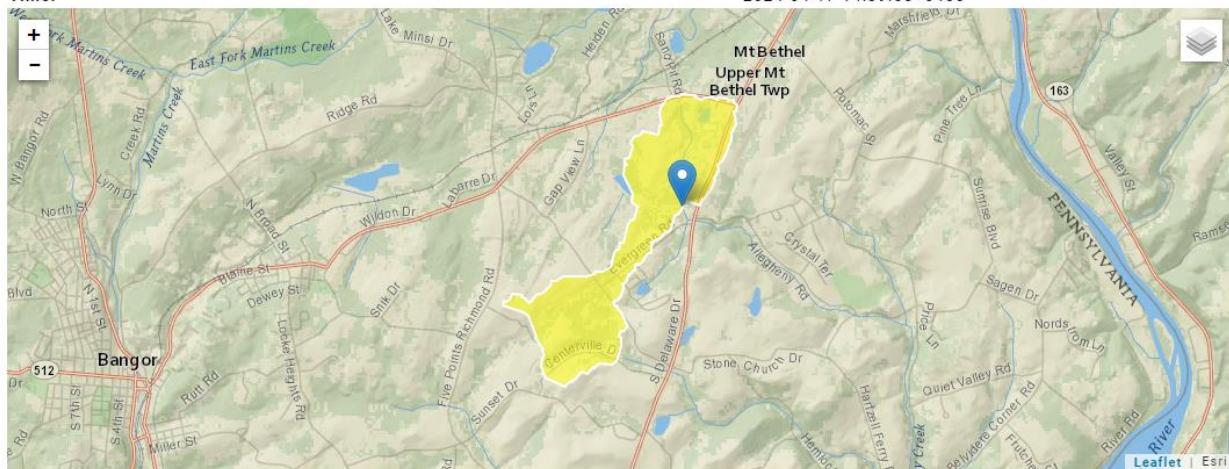
L7.10: .1

Clicked Point (Latitude, Longitude):

40.88605, -75.12548

Time:

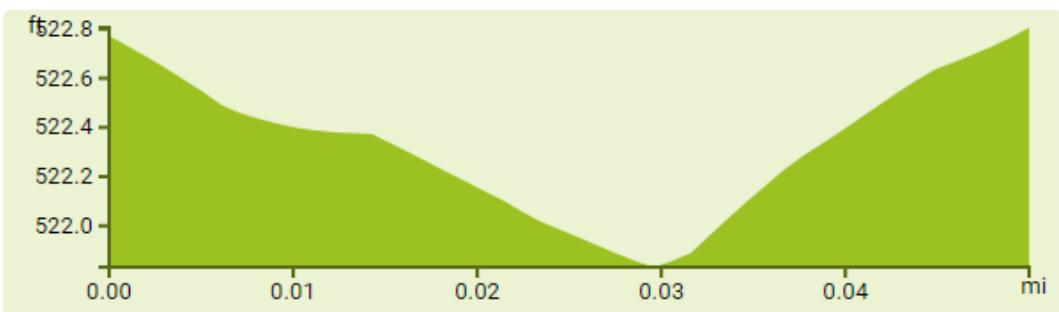
2024-04-17 14:39:55 -0400



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Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	1.19	square miles



Summary of Review

Analysis Results WQM 7.0

Hydrodynamics	NH3-N Allocations	D.O. Allocations	D.O. Simulation	Effluent Limitations																																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">RMI</th> <th style="width: 20%;">Discharge Name</th> <th style="width: 20%;">Permit Number</th> <th style="width: 20%;">Disc Flow</th> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">PA0070092</td> <td style="text-align: center;">(mgd)</td> </tr> </thead> <tbody> <tr> <td>0.97</td> <td>UNK TRIB</td> <td></td> <td>0.0490</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">Effluent Limit</td> <td style="text-align: center;">Effluent Limit</td> <td style="text-align: center;">Effluent Limit</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">30 Day Average</td> <td style="text-align: center;">Maximum</td> <td style="text-align: center;">Minimum</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">(mg/L)</td> <td style="text-align: center;">(mg/L)</td> <td style="text-align: center;">(mg/L)</td> </tr> <tr> <td colspan="2">CBOD5</td> <td style="text-align: center;">25</td> <td></td> <td></td> </tr> <tr> <td colspan="2">NH3-N</td> <td style="text-align: center;">3.15</td> <td style="text-align: center;">6.3</td> <td></td> </tr> <tr> <td colspan="2">Dissolved Oxygen</td> <td></td> <td></td> <td style="text-align: center;">7</td> </tr> </tbody> </table>					RMI	Discharge Name	Permit Number	Disc Flow			PA0070092	(mgd)	0.97	UNK TRIB		0.0490			Effluent Limit	Effluent Limit	Effluent Limit			30 Day Average	Maximum	Minimum			(mg/L)	(mg/L)	(mg/L)	CBOD5		25			NH3-N		3.15	6.3		Dissolved Oxygen				7
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Record: 1 of 1 <input type="button" value="No Filter"/> <input type="button" value="Search"/>																																														

TRC EVALUATION

Input appropriate values in A3:A9 and D3:D9

0.1	= Q stream (cfs)	0.5	= CV Daily
0.049	= Q discharge (MGD)	0.5	= CV Hourly
30	= no. samples	1	= AFC_Partial Mix Factor
0.3	= Chlorine Demand of Stream	1	= CFC_Partial Mix Factor
0	= Chlorine Demand of Discharge	15	= AFC_Criteria Compliance Time (min)
0.5	= BAT/BPJ Value	720	= CFC_Criteria Compliance Time (min)
0	= % Factor of Safety (FOS)		= Decay Coefficient (K)
Source	Reference	AFC Calculations	Reference
TRC	1.3.2.iii	WLA_afc = 0.440	1.3.2.iii
PENTOXSD TRG	5.1a	LTAMULT_afc = 0.373	5.1c
PENTOXSD TRG	5.1b	LTA_afc = 0.164	5.1d
CFC Calculations			
			WLA_cfc = 0.421
			LTAMULT_cfc = 0.581
			LTA_cfc = 0.245

Source		Effluent Limit Calculations		
PENTOXSD TRG	5.1f	AML MULT = 1.231		
PENTOXSD TRG	5.1g	AVG MON LIMIT (mg/l) = 0.202	AFC	
		INST MAX LIMIT (mg/l) = 0.660		

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-

Summary of Review

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.

