

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

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Application No. PA0034070
APS ID 1050996
Authorization ID 1461570

Applicant and Facility Information

Applicant Name	<u>Glencrest MHP LLC</u>	Facility Name	<u>Glencrest MHP</u>
Applicant Address	<u>139 Country Club Road</u> <u>Northampton, PA 18067-3028</u>	Facility Address	<u>Glencrest Mobile Home Park 6000</u> <u>Glencrest Road</u> <u>Slatington, PA 18080</u>
Applicant Contact	<u>Jared Surnamer</u>	Facility Contact	<u>Kenneth Fulford</u>
Applicant Phone	<u>(610) 216-0150</u>	Facility Phone	<u>(610) 216-0150</u>
Client ID	<u>366580</u>	Site ID	<u>245941</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Washington Township</u>
Connection Status		County	<u>Lehigh</u>
Date Application Received	<u>November 1, 2023</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>November 1, 2023</u>	If No, Reason	
Purpose of Application	<u>NPDES renewal to discharge treated sewage.</u>		

Summary of Review

The applicant is requesting the renewal of an NPDES permit to discharge up to 0.035 MGD of treated sewage into an Unnamed Tributary to Coplay Creek, a Cold Water Fishes, Migratory Fish (CWF, MF) receiving stream in State Water Plan Basin 2-C (Lehigh River). Per the Department's current existing use list, the receiving stream does not have an existing use classification that is more protective than the designated use. This stream segment is not designated as a naturally reproducing trout stream as per PA Fish & Boat Commission. This discharge is not expected to affect public water supplies.

There are no representative stream gages in the vicinity of the outfall. The state-wide default 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.

Modeling for Ammonia and TRC did not recommend more stringent limits. Limitations from the previous permit will be carried over.

Limitations for pH and Fecal Coliform are technology-based and carried over from the previous permit. Limitations for CBOD₅ and Total Suspended Solids (TSS) are water quality-based and carried over from the previous permit. A technology-based limitation for Dissolved Oxygen has been added to this 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. 362-0400-001).

Approve	Deny	Signatures	Date
X		William Hon (s) William Hon / Environmental Engineer Trainee	June 5, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Acting Engineer Manager	7-1-24

Summary of Review

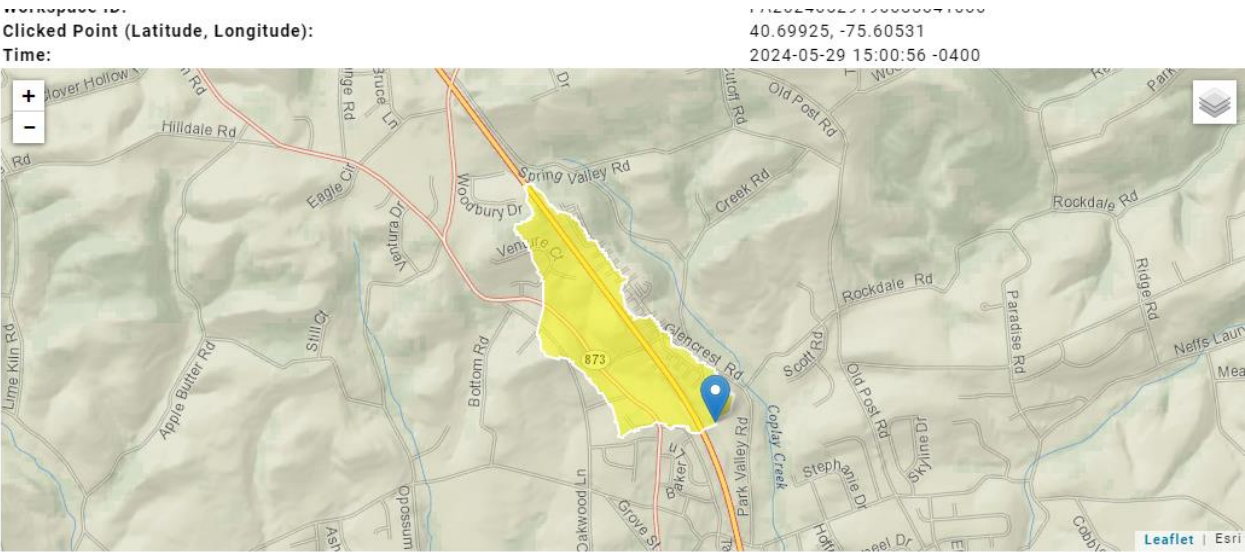
E. Coli monitoring requirements will be introduced into new permit according to PA DEP policy for individual sewage effluent limitations. E. Coli requirements for a treatment plant with less than .05mgd discharge is found in the SOP for establishing effluent limitations for individual sewage.

Application indicated 10.081 dry tons of sludge is hauled to Lehigh Valley Pretreatment via contractor from this facility on a yearly basis.

The existing permit expired on 4/30/2024 and the application for renewal was received on time. A Water Management System Inspection query was performed and indicated that on 5/16/2024 a Follow-up Inspection was performed with No Violations Noted. There are no open violations for this client that could warrant withholding issuance of this permit.

Modeling Inputs:

PT 1 @ Outfall 001



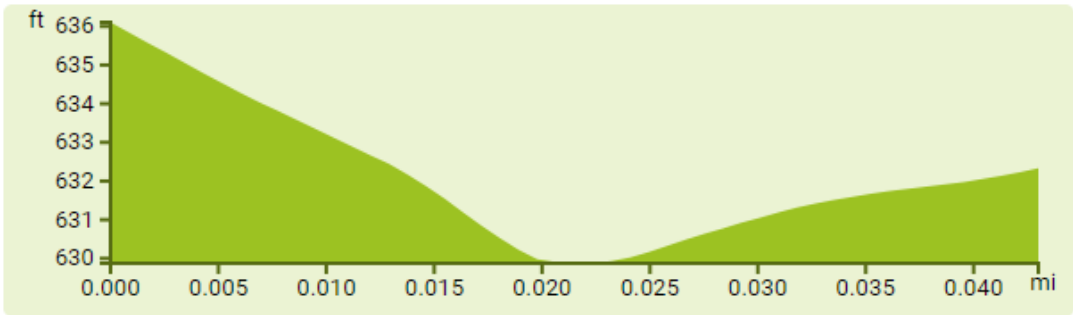
Collapse All

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	0.31	square miles

Summary of Review

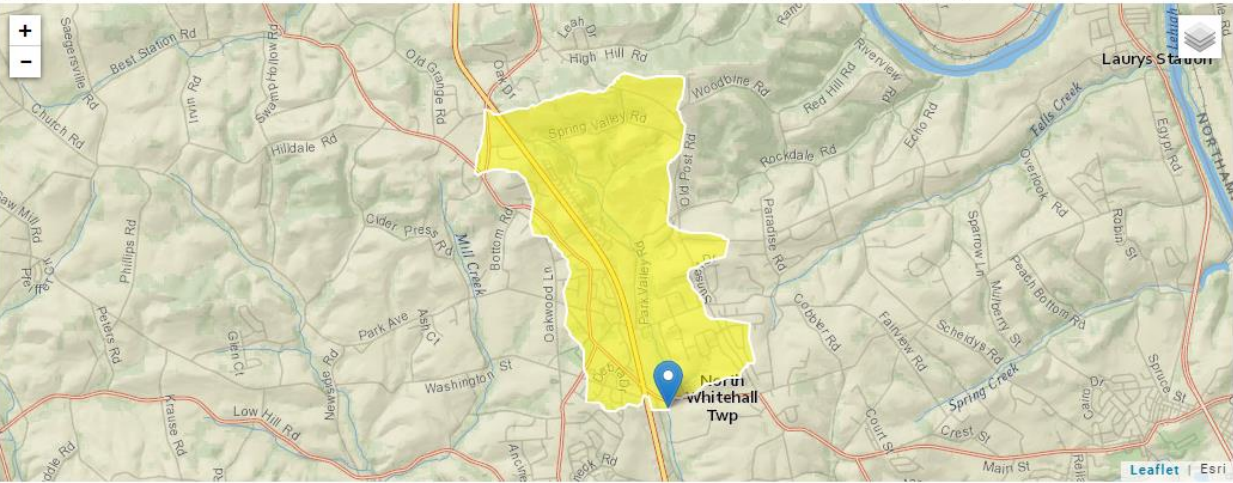
Elevation profile



PT2 1 mile downstream on Coplay Creek

Clicked Point (Latitude, Longitude):
Time:

40.68394, -75.59821
2024-05-29 15:11:40 -0400



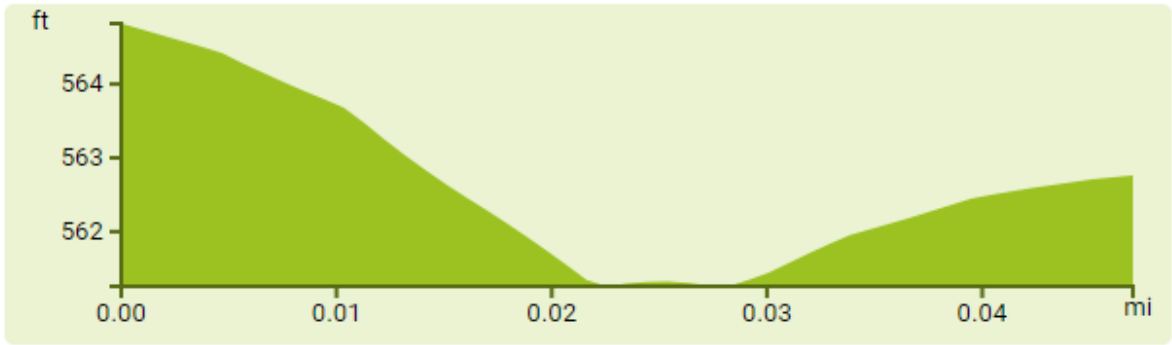
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> Basin Characteristics

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	2.82	square miles

Summary of Review

Elevation profile



Low-Flow Yield (LFY) = .1cfs/mi²
.1 * .31mi² = .031cfs

Analysis Results WQM 7.0

Hydrodynamics NH3-N Allocations D.O. Allocations D.O. Simulation Effluent Limitations

RMI	Discharge Name	Permit Number	Disc Flow (mgd)
0.90	Glen Crest	PA0034070	0.0234

Parameter	Effluent Limit 30 Day Average (mg/L)	Effluent Limit Maximum (mg/L)	Effluent Limit Minimum (mg/L)
CBOD5	25		
NH3-N	2.8	5.6	
Dissolved Oxygen			7

Record: 1 of 1 No Filter Search

Summary of Review

TRC EVALUATION					
Input appropriate values in A3:A9 and D3:D9					
0.031	= Q stream (cfs)	0.5	= CV Daily		
0.035	= 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	CFC Calculations
TRC	1.3.2.iii	WLA afc = 0.202		1.3.2.iii	WLA cfc = 0.189
PENTOXSD TRG	5.1a	LTAMULT afc = 0.373		5.1c	LTAMULT cfc = 0.581
PENTOXSD TRG	5.1b	LTA_afc= 0.075		5.1d	LTA_cfc = 0.110
Source	Effluent Limit Calculations				
PENTOXSD TRG	5.1f	AML MULT = 1.231			
PENTOXSD TRG	5.1g	AVG MON LIMIT (mg/l) = 0.092		AFC	
		INST MAX LIMIT (mg/l) = 0.302			

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		William Hon (s) William Hon / Environmental Engineer Trainee	June 5, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Acting Engineer Manager	7-1-24