

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

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application No. PA0060151
APS ID 637939
Authorization ID 1469020

Applicant and Facility Information

Applicant Name <u>Naarim Machneh</u>	Facility Name <u>Camp Naarim</u>
Applicant Address <u>1726 45th Street</u> <u>Brooklyn, NY 11204-1209</u>	Facility Address <u>209 Burns Road</u> <u>Waymart, PA 18472</u>
Applicant Contact <u>David Presser</u>	Facility Contact <u>Joe Fobes</u>
Applicant Phone <u>(718) 938-7164</u>	Facility Phone <u>(570) 488-7871</u>
Client ID <u>45062</u>	Site ID <u>260477</u>
Ch 94 Load Status <u>Not Overloaded</u>	Municipality <u>Clinton Township</u>
Connection Status <u></u>	County <u>Wayne</u>
Date Application Received <u>January 17, 2024</u>	EPA Waived? <u>Yes</u>
Date Application Accepted <u>January 24, 2024</u>	If No, Reason <u></u>
Purpose of Application <u>Renewal of NPDES permit to discharge treated sewage effluent.</u>	

Summary of Review

The applicant is requesting the renewal of an NPDES permit to discharge up to 0.016 MGD of treated sewage into an Unnamed Tributary to Van Auken Creek, a High Quality, Trout Stocking Fish, Migratory Fish (HQ, TSF, MF) receiving stream in State Water Plan Basin 1-B (Lackawaxen 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 not designated as a naturally reproducing trout stream as per PA Fish & Boat Commission.

The system for this facility is a pump station, flow equalization tank, followed by primary and secondary treatment. Chlorine is used for disinfection. Aluminum sulfate is used for flocculation.

0.5 dry tons of sludge are hauled offsite from this facility annually. The sludge is hauled via independent contractor to Wyoming Valley Sanitary Authority.

There are no representative stream gages in the vicinity of the outfall. 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, Dissolved Oxygen (DO), CBOD₅, Total Suspended Solids, and Fecal Coliform are technology-based and carried over from the previous permit. Limitations for Ammonia-Nitrogen are water quality-based and carried over from the previous permit. WQM modeling did not recommend stricter limitations for Ammonia-Nitrogen.

All self-monitoring requirements for limitations have been updated to reflect Table 6-3 of the Technical Guidance for the Development and Specification of Effluent Limitations and Other Permit Conditions in NPDES Permits Manual. This changes monitoring requirements for Total Phosphorus, Nitrate-Nitrite as N, Total Kjeldahl Nitrogen, and Total Nitrogen to report 2/month based on plant design flow.

Approve	Deny	Signatures	Date
X		William Hon /s/ William Hon / Environmental Engineer Specialist	November 6, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Acting Engineer Manager	11-21-24

Summary of Review

TRC calculation spreadsheet recommended more stringent water quality-based limitations due to permit engineer modeling inputs on PT1 drainage area. The recommendation is .02mg/L difference. The previous limits will be carried over to this new permit based on BPJ.

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 .05 MGD discharge is found in the SOP for establishing effluent limitations for individual sewage.

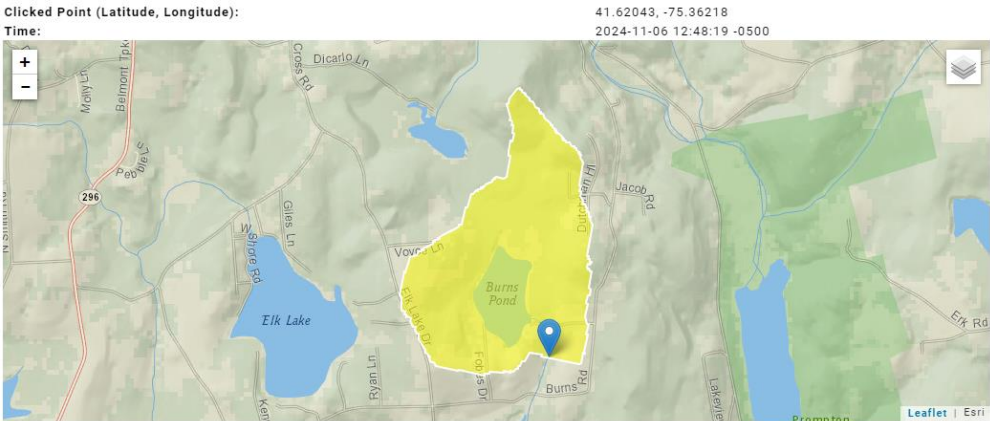
The existing permit expired on 5/31/2024 and the application for renewal was not received on time. The permit was administratively extended on 1/24/2024. The last compliance evaluation performed at this facility was on 7/13/2021 with 2 violations noted. There are 4 open violations for this client:

- NPDES - Violation of effluent limits in Part A of permit
- NPDES - Failure to monitor pollutants as required by the NPDES permit
- CSL - Failure to immediately report to DEP a pollution incident
- CSL - Failure to comply with terms and conditions of a WQM permit

Recommend Approval.

Modeling Inputs:

Pt1 @ Outfall
Stream: Tributary 06080 to Van Auken Creek (06080)
Watershed 1-B (Lackawaxen River), HQ-TSF
RMI: 2.45



Collapse All

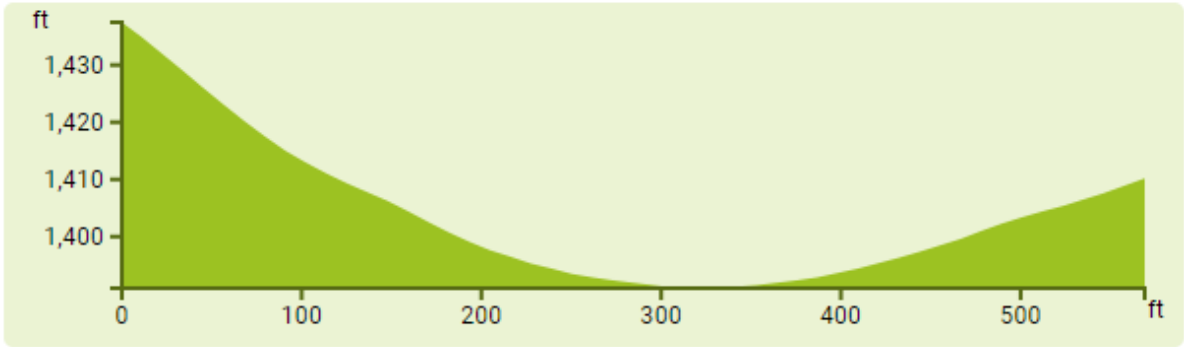
Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.72	square miles

Low-Flow Statistics Flow Report [Low Flow Region 5]

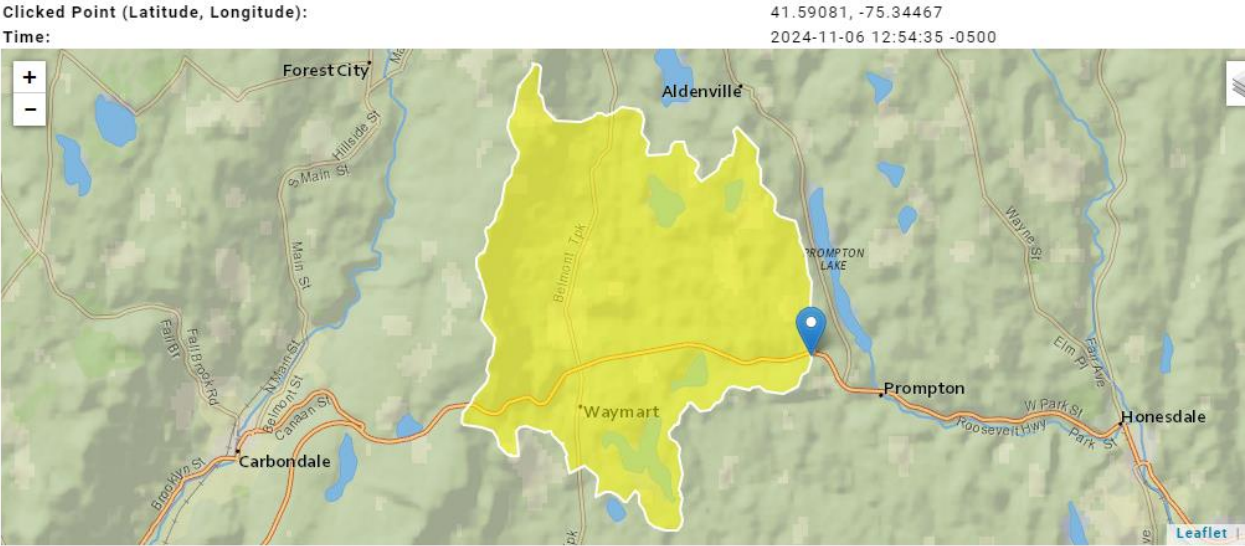
Statistic	Value	Unit
7 Day 2 Year Low Flow	0.0397	ft ³ /s
30 Day 2 Year Low Flow	0.0623	ft ³ /s
7 Day 10 Year Low Flow	0.0104	ft ³ /s

Summary of Review



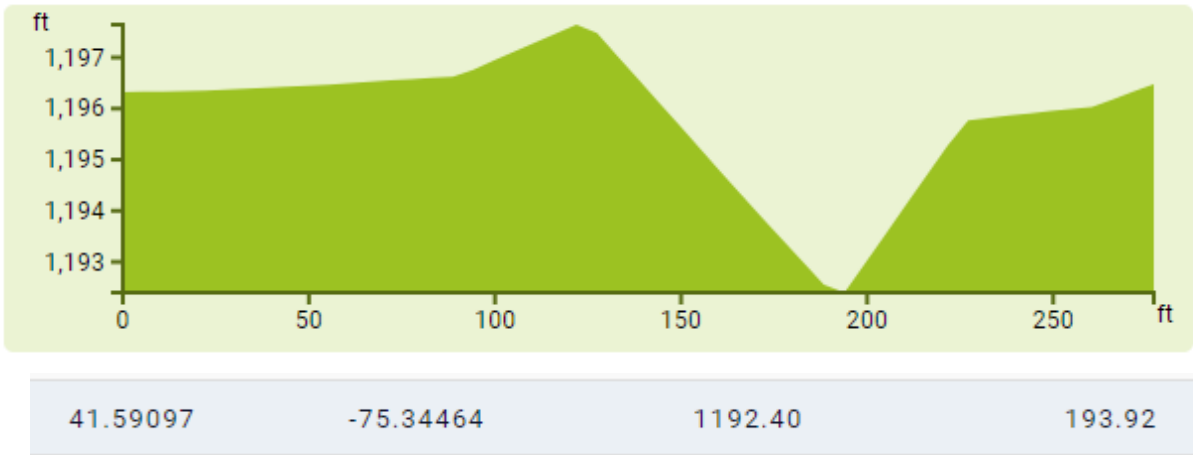
41.62048	-75.36209	1390.98	330.02
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PT2 @ conflux w/ Van Auken Creek
RMI: .01



Basin Characteristics					
Parameter Code	Parameter Description		Value	Unit	
DRNAREA	Area that drains to a point on a stream		19.6	square miles	
Statistic	Value	Unit	SE	ASEp	
7 Day 2 Year Low Flow	1.68	ft^3/s	38	38	
30 Day 2 Year Low Flow	2.41	ft^3/s	33	33	
7 Day 10 Year Low Flow	0.621	ft^3/s	57	57	

Summary of Review



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)
2.45	Camp Naarim	PA0060151	0.0300

Parameter	Effluent Limit 30 Day Average (mg/L)	Effluent Limit Maximum (mg/L)	Effluent Limit Minimum (mg/L)
CBOD5	25		
NH3-N	6.83	13.66	
Dissolved Oxygen			5

Record: 1 of 1 No Filter Search

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Summary of Review

TRC EVALUATION

Input appropriate values in A3:A9 and D3:D9

0.072	= Q stream (cfs)	0.5	= CV Daily
0.016	= 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 = 0.947	1.3.2.iii	WLA cfc = 0.916
PENTOXSD TRG	5.1a	LTAMULT afc = 0.373	5.1c	LTAMULT cfc = 0.581
PENTOXSD TRG	5.1b	LTA_afc= 0.353	5.1d	LTA_cfc = 0.532

Source	Effluent Limit Calculations
PENTOXSD TRG 5.1f	AML MULT = 1.231
PENTOXSD TRG 5.1g	AVG MON LIMIT (mg/l) = 0.434
	INST MAX LIMIT (mg/l) = 1.420

Q stream by way of LFY of $.1(\text{ft}^3/\text{sec})/\text{mi}^2 * .72\text{mi}^2$ (Drainage Area @Pt1) = $.072\text{ft}^3/\text{sec}$

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 Specialist	November 6, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Acting Engineer Manager	11-21-24