

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

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application No. PA0063827
APS ID 825594
Authorization ID 1464245

Applicant and Facility Information

Applicant Name <u>Pines At West Penn LLC</u>	Facility Name <u>West Penn Pines MHP</u>
Applicant Address <u>PO Box 677</u> <u>Morgantown, PA 19543</u>	Facility Address <u>West Penn Pines Mhp 14 All Kings Drive</u> <u>New Ringgold, PA 17960</u>
Applicant Contact <u>James Perano</u>	Facility Contact <u>Hank Mengel</u>
Applicant Phone <u>(610) 286-0490</u>	Facility Phone <u>(570) 386-3121</u>
Client ID <u>238476</u>	Site ID <u>487898</u>
Ch 94 Load Status <u>Not Overloaded</u>	Municipality <u>West Penn Township</u>
Connection Status <u>No Exceptions Allowed</u>	County <u>Schuylkill</u>
Date Application Received <u>December 1, 2023</u>	EPA Waived? <u>Yes</u>
Date Application Accepted <u>December 1, 2023</u>	If No, Reason <u></u>

Purpose of Application Renewal of NPDES permit to discharge treated sewage effluent.

Summary of Review

The applicant is requesting the renewal of an NPDES permit to discharge up to 0.06 MGD of treated sewage into the Lizard Creek, a Cold-Water Fishes, Migratory Fishes (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. PA Fish and Boat Commission has designated this a Trout Stocking Stream. Trout stocking has taken place in the spring of 2024 downstream of this facility.

The treatment units consists of the following: comminutor with bar screen, equalization tank, aeration tanks (2), clarifier tanks (2), anoxic tanks (2), post-aeration tanks (2), tertiary sand filter (2 cell) sludge holding tank, chlorine contact tanks, mudwell, clearwell and dechlorination tanks. Air for equalization will be supplied by blower rated at 55 cfm. All other process air will be supplied by three (3) 175 CFM blower (2 run, 1 standby). A control building will be constructed to house blower and sanitary facilities. An alarm device will be provided for equalization tank, mudwell and clearwell. The liquid sludge will be removed a certified septic waste hauler and disposed at a permitted facility.

Permittee indicated 3.618 dry tons of sludge is hauled offsite by an independent contractor to Hazelton WWTP for proper disposal.

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 that was used for modeling purposes is listed at .24cfs in accordance with estimations from previous permit and DRBC Docket NO. D-1999-025-4.

TRC modeling recommended more stringent limitations for this facility for average monthly calculation (from .5mg/L to .387mg/L). Previous permit was modeled based on 4 samples per month, while this permit is modeled with 30 samples per

Approve	Deny	Signatures	Date
X		William Hon (s) William Hon / Environmental Engineer Specialist	October 9, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Acting Engineer Manager	10-16-24

Summary of Review

month. This is in accordance with daily monitoring recommendations from Table 6-3 of the Permit Writers Manual. Limit will go into effect in year 3 of this permit.

Limitations for pH and Fecal Coliform are technology based and are carried over from the previous permit. The CBOD₅, TSS, Nitrite-Nitrate, and NH₃-N limits are water quality-based and are carried over from the previous permit. Dissolved Oxygen and E. Coli limitations have been implemented since the last permit was renewed and will be added to this permit. DO is technology based and has been set to a minimum limit of 4.0mg/l based on BPJ. E. Coli is technology based and has been set to report IMAX 1/quarter. E. Coli monitoring requirements is based on size of facility (1/quarter for design flows >= 0.05 and < 1 MGD). Raw sewage influent of CBOD₅ will be maintained in this permit.

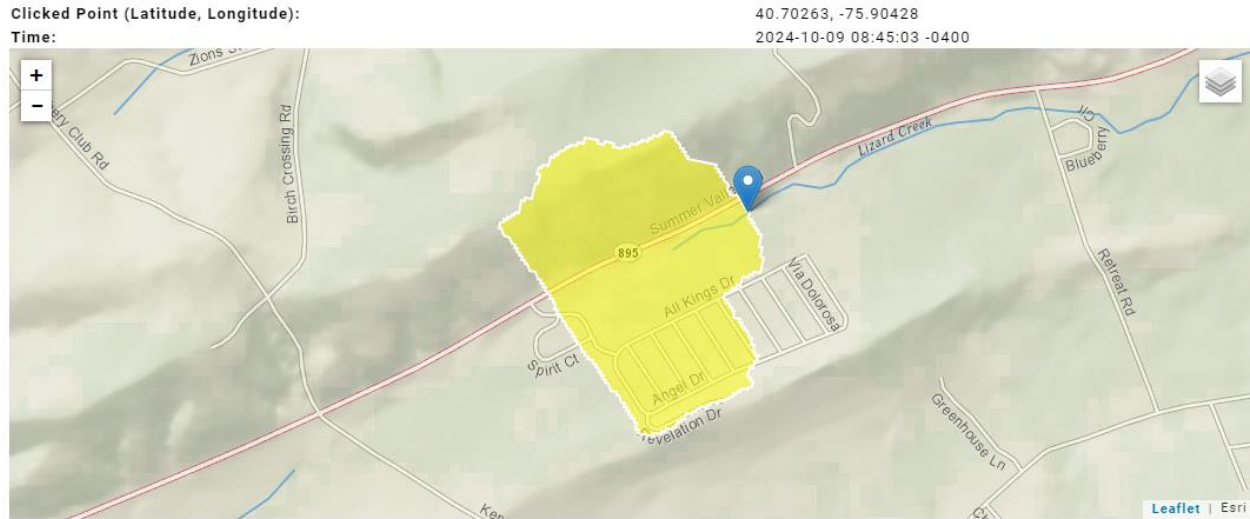
The Nitrite-Nitrate daily maximum limit was stipulated in a planning approval letter dated April 27, 1998.

DRBC Docket D-1999-025-4 is effective as of June 5, 2024 and will expire on May 31, 2029. The following limitations will go into effect in this permit renewal that will reflect the docket: Total Nitrogen, Total Phosphorus, Total Dissolved Solids, and Total Kjeldahl Nitrogen are Report on a 1/quarter basis.

The previous permit expired on 5/31/2024. The renewal application was received and processed by the DEP on 12/1/2023. Last inspection at this facility was on 9/18/2024 with 0 reported violations. This was a compliance evaluation inspection. There are no open violations that would withhold the issuance of this permit.

Recommend Approval.

Modeling Inputs:
PT 1 @ Outfall
RMI: 1.4
Stream: Lizard Creek, 3856



+ Collapse All

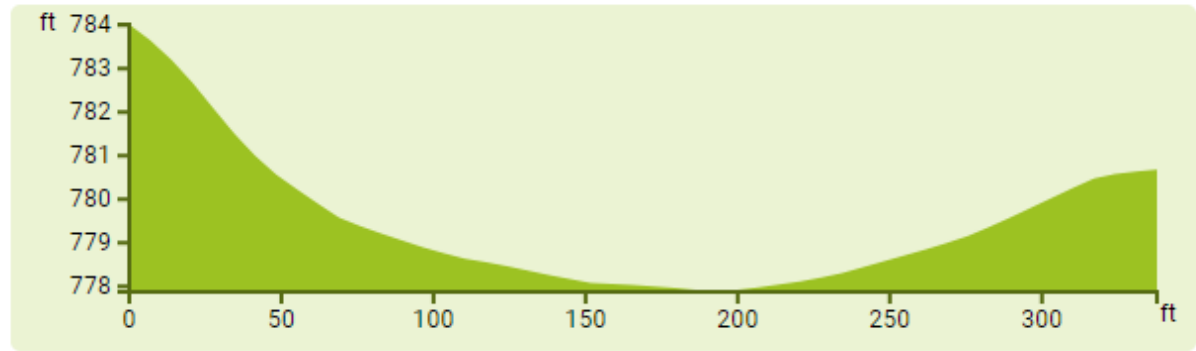
> Basin Characteristics

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	0.18	square miles
PRECIP	Mean Annual Precipitation	49	inches

Summary of Review

Low-Flow Statistics Flow Report [Low Flow Region 2]

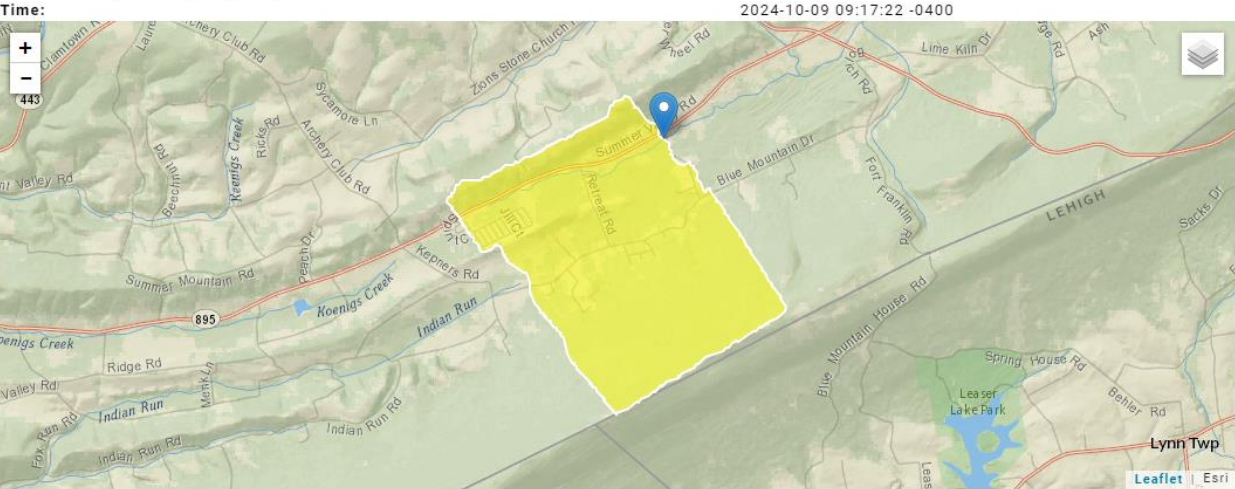
Statistic	Value	Unit
7 Day 2 Year Low Flow	0.0518	ft^3/s
30 Day 2 Year Low Flow	0.0682	ft^3/s
7 Day 10 Year Low Flow	0.0227	ft^3/s



PT2: @ conflux with Tributary 3905 to Lizard Creek
RMI: .01

Clicked Point (Latitude, Longitude):

40.70896, -75.88154
2024-10-09 09:17:22 -0400



+ Collapse All

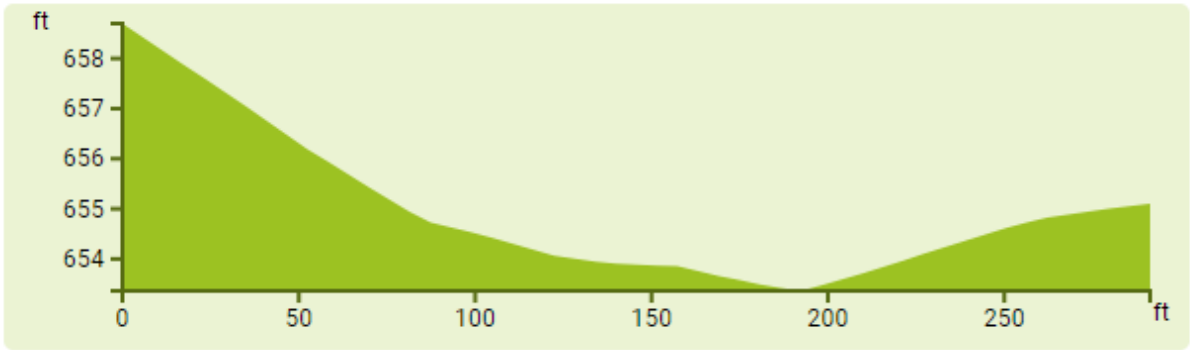
> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	4.93	percent
DRNAREA	Area that drains to a point on a stream	3.25	square miles
PRECIP	Mean Annual Precipitation	47	inches

Summary of Review

Low-Flow Statistics Flow Report [Low Flow Region 2]

Statistic	Value	Unit
7 Day 2 Year Low Flow	1.07	ft ³ /s
30 Day 2 Year Low Flow	1.35	ft ³ /s
7 Day 10 Year Low Flow	0.548	ft ³ /s



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)

1.40

The Pines

PA0063827

0.0600

Parameter	Effluent Limit 30 Day Average (mg/L)	Effluent Limit Maximum (mg/L)	Effluent Limit Minimum (mg/L)
CBOD5	25		
NH3-N	7.94	15.88	
Dissolved Oxygen			4

Record: 1 of 1

No Filter

Search

Print

< Back

Next >

Archive

Cancel

Summary of Review

TRC EVALUATION

Input appropriate values in A3:A9 and D3:D9

0.24	= Q stream (cfs)	0.5	= CV Daily
0.06	= 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 = 0.844	1.3.2.iii	WLA cfc = 0.815
PENTOXSD TRG	5.1a	LTAMULT afc = 0.373	5.1c	LTAMULT cfc = 0.581
PENTOXSD TRG	5.1b	LTA_afc = 0.314	5.1d	LTA_cfc = 0.474

Source	Effluent Limit Calculations
PENTOXSD TRG 5.1f	AML MULT = 1.231
PENTOXSD TRG 5.1g	AVG MON LIMIT (mg/l) = 0.387
	INST MAX LIMIT (mg/l) = 1.266
	AFC

EFFLUENT TABLE C-2: DRBC Parameters Not Included in NPDES Permit

OUTFALL 001 (UNT Lizard Creek)		
PARAMETER	LIMIT	MONITORING
Total Dissolved Solids*	1,000 mg/l *	Quarterly*
CBOD ₅ (at 20° C)	85% Minimum Removal	Monthly
Total Nitrogen	Monitor & Report	Quarterly
Total Kjeldahl Nitrogen	Monitor & Report	Quarterly
Total Phosphorus	Monitor & Report	Quarterly

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	October 9, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Acting Engineer Manager	10-16-24