Pennsylvania Department of Environmental Protection

Southwest Regional Office
CLEAN WATER PROGRAM

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application Type	**Renewal**	Application No.	**PA0205575**
Facility Type	**Non-Municipal**	APS ID	**1124195**
Major / Minor	**Minor**	Authorization ID	**1503771**

Applicant and Facility Information

Applicant Name	**Fore Golf Co.**	Facility Name	**Pleasant Valley Country Club STP**
Applicant Address	440 Pleasant Valley Road	Facility Address	Road 2 Box 292
	Connellsville, PA 15425-6082		Connellsville, PA 15425
Applicant Contact	Ken Ivory	Facility Contact	
Applicant Phone	(724) 628-5960	Facility Phone	
Client ID	347993	Site ID	714420
Ch 94 Load Status	Not Overloaded	Municipality	Bullskin Township
Connection Status		County	Fayette
Date Application Received	October 17, 2024	EPA Waived?	Yes
Date Application Accepted	October 31, 2024	If No, Reason	

Purpose of Application: Renewal application to discharge treated sewage

Summary of Review

This review is in response to a renewal application received on October 17, 2024. Fore Golf Co. owns and operates a golf club in Bullskin Township, Fayette County. Sewage from the golf club is treated with extended aeration, clarification, chlorination, and de-chlorination before discharging to Mounts Creek through outfall 001.

Sludge disposal amounts and ultimate disposal locations were not provided in the application.

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		James Vanek James Vanek, P.E. / Environmental Engineer	December 17, 2025
X		Mahbuba Iasmin Mahbuba Iasmin, Ph.D. / Environmental Engineering Manager	December 17, 2025

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.01
Latitude	40º 4' 7.27"	Longitude	-79º 32' 38.98"
Quad Name	Connellsville	Quad Code	
Wastewater Description:	Sewage Effluent		

Receiving Waters	Mounts Creek (WWF)	Stream Code	38093
NHD Com ID	69916391	RMI	6.5
Drainage Area	12.2	Yield (cfs/mi^2)	0.0173
Q_{7-10} Flow (cfs)	0.211	Q_{7-10} Basis	USGS Stream Stats
Elevation (ft)		Slope (ft/ft)	
Watershed No.	19-D	Chapter 93 Class.	WWF
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		Data Source
pH (SU)		
Temperature (°F)		
Hardness (mg/L)		
Other:		

Nearest Downstream Public Water Supply Intake			
PWS Waters		Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	

Treatment Facility Summary

Treatment Facility Name: Pleasant Valley Cc STP

WQM Permit No.	Issuance Date
2694402	

Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary With Ammonia Reduction	Extended Aeration	Chlorine With Dechlorination	0.001

Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.01	19.89	Not Overloaded	Dewatering	Other WWTP

The previous iterations of this permit did not include updated water quality modeling. The last time water quality modeling was performed, three other treatment plants existed between Pleasant Valley Country Club and the Youghiogheny River. Those plants were privately owned treatment plants that no longer discharge. The ammonia-nitrogen criteria have changed over the years. This review has modeling with the current ammonia-nitrogen criteria and excludes the dischargers on Mounts Creek that no longer discharge.

Compliance History

DMR Data for Outfall 001 (from August 1, 2024 to July 31, 2025)

Parameter	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24
Flow (MGD) Average Monthly	0.00016	0.00020	0.00018	0.00013	0.00016	0.00022	0.00013	0.00005	0.00008	0.00007	0.00010	0.00009
pH (S.U.) Instantaneous Minimum	6.9	6.9	7.0	7.0	6.8	7.1	6.8	7.0	7.3	7.0	7.1	7.1
pH (S.U.) Instantaneous Maximum	7.1	7.1	7.2	7.2	7.1	7.3	7.2	7.4	7.4	7.2	7.3	7.3
DO (mg/L) Instantaneous Minimum	6.2	6.0	6.3	7.9	8.2	10.8	10.7	8.6	8.0	6.2	6.7	6.8
TRC (mg/L) Average Monthly	0.20	0.23	0.21	0.23	0.21	0.23	0.26	0.25	0.22	0.21	0.18	0.18
TRC (mg/L) Instantaneous Maximum	0.24	0.27	0.25	0.24	0.24	0.26	0.29	0.31	0.25	0.26	0.21	0.22
CBOD5 (mg/L) Average Monthly	2.0	2.0	2.0	2.0	9.9	2.0	4.0	2.1	2.9	2.3	3.0	2.0
CBOD5 (mg/L) Instantaneous Maximum	2.0	2.0	2.0	2.0	15.8	2.0	6.0	2.2	3.7	2.6	4.0	2.0
TSS (mg/L) Average Monthly	5.5	9.5	7.0	5.5	10.0	5.0	5.0	6.5	5.0	5.0	5.0	5.0
TSS (mg/L) Instantaneous Maximum	6.0	10.0	9.0	6.0	15.0	5.0	5.0	8.0	5.0	5.0	5.0	5.0
Fecal Coliform (No./100 ml) Geometric Mean	8	7	1	8	18	11	2	9	78	7	5	8
Fecal Coliform (No./100 ml) Instantaneous Maximum	63	46	1	12	53	116	3	73	237	51	28	63
Total Nitrogen (mg/L) Daily Maximum								20.4				

Ammonia (mg/L) Average Monthly	0.2	0.6	0.7	0.7	0.7	0.7	1.7	0.7	0.6	0.5	0.5	0.3
Ammonia (mg/L) Instantaneous Maximum	0.3	0.6	0.7	0.8	0.8	0.8	1.8	0.8	0.7	0.6	0.5	0.4
Total Phosphorus (mg/L) Daily Maximum								4.3				

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** .01
Latitude 40º 4' 8.00" **Longitude** -79º 32' 40.00"
Wastewater Description: Sewage Effluent

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	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
Total Suspended Solids	30	Average Monthly	133.102(b)(1)	92a.47(a)(1)
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)
h	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)

Water Quality-Based Limitations

The following limitations were determined through water quality modeling (output files attached):

Parameter	Limit (mg/l)	SBC	Model
NH_3N	19.0	Average Monthly	WQM7.0

Comments: The NH_3N limits are identical to the previous permit limits. The model results are attached at the end of this fact sheet.

Best Professional Judgment (BPJ) Limitations

Dissolved oxygen will be limited at 4.0 mg/l as an instantaneous minimum.

Anti-Backsliding

Anti-backsliding was not used in this permit review.

Disinfection

The application states the plant has de-chlorination. Remodeling Total Residual Chlorine using recommended in-stream and discharge chlorine demand default values of 0.3 mg/l and 0 mg/l shows no need for water quality based TRC limits. The TRC spreadsheet output is attached to this report.

Total Nitrogen and Total Phosphorus Monitoring

Nutrient monitoring is required to establish the nutrient load from the wastewater treatment facility and the impacts that load may have on the quality of the receiving stream(s). Sewage discharges with design flows > 2,000 gpd require monitoring, at a minimum, for Total Nitrogen and Total Phosphorus in new and reissued permits. Annual monitoring is acceptable.

Monitoring Frequency Considerations

For pH, Dissolved Oxygen (DO) and Total Residual Chlorine (TRC), a monitoring frequency of 1/week has been re- imposed which does not conform with current policy or Table 6-3 of the Department's Technical Guidance for the Development and Specifications of Effluent Limits in NPDES Permits. The daily monitoring frequencies for all remaining parameters are consistent with current policy and Table 6-3 of DEP's Technical Guidance for the Development and Specification of Effluent Limitations.

E. Coli

Sewage discharges will include annual monitoring for E. Coli in new and re-issued permits for plants with design flows between 0.002 MGD and 0.05 MGD.

Flow Limits

Previous permits limited flow to 0.002 MGD. This was not continued in this renewal.

The reason flow was limited in previous permits was to satisfy the DEP's insistence that sewage dischargers greater than 2000 gpd sample DO, pH, and TRC daily. Pleasant Valley STP rarely exceeds 1000 gpd even though the hydraulic capacity is 10,000 gpd. So flow was limited to 2000 gpd with a stipulation that any flow exceeding 2000 gpd would be a violation but the sample frequency for DO, pH, and TRC would remain at 1/week.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (386-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

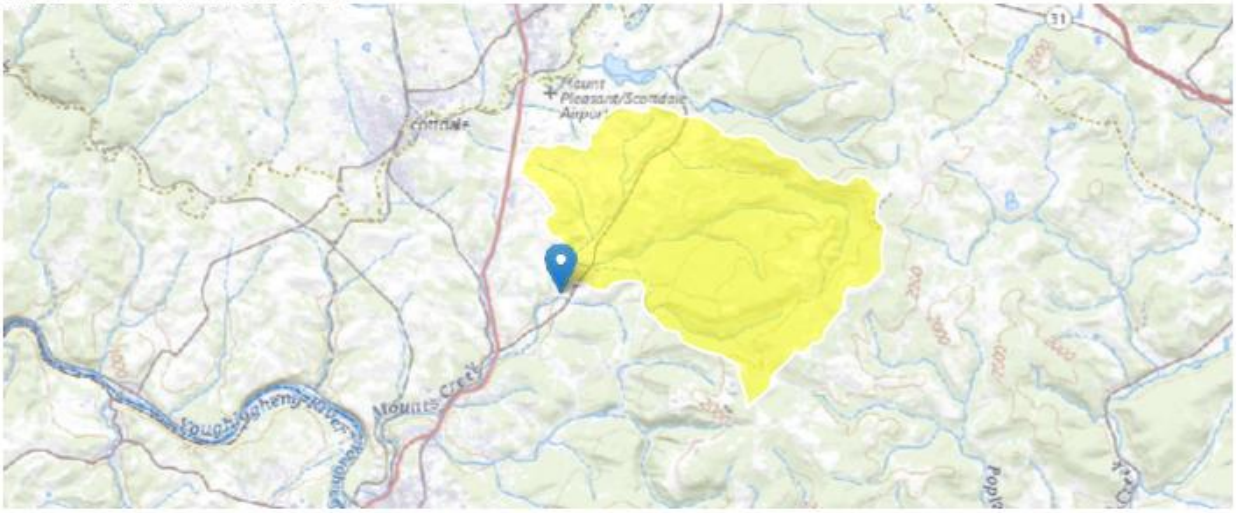
Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/week	Grab
DO	XXX	XXX	4.0 Inst Min	XXX	XXX	XXX	1/week	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.6	1/week	Grab
CBOD5	XXX	XXX	XXX	25.0	XXX	50.0	2/month	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60.0	2/month	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	2/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/month	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Grab
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	Report	XXX	Report	2/month	Grab
Ammonia May 1 - Oct 31	XXX	XXX	XXX	19.0	XXX	38.0	2/month	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Grab
E. Coli (No./100 ml)	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Grab

Compliance Sampling Location: outfall 001

WQ MODELING OUTPUTS

StreamStats Report

Region ID: PA
Workspace ID: PA20250910134013148000
Clicked Point (Latitude, Longitude): 40.06682, -79.54548
Time: 2025-09-10 09:40:36 -0400



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	12.2	square miles
ELEV	Mean Basin Elevation	1594	feet

Low-Flow Statistics

Low-Flow Statistics Parameters [Low Flow Region 4]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	12.2	square miles	2.26	1400
ELEV	Mean Basin Elevation	1594	feet	1050	2580

Low-Flow Statistics Flow Report [Low Flow Region 4]

PIL: Lower 90% Prediction Interval, PIU: Upper 90% Prediction Interval, ASEp: Average Standard Error of Prediction, SE: Standard Error, PC: Percent Correct, RMSE: Root Mean Squared Error, PseudoR^2: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	SE	ASEp
7 Day 2 Year Low Flow	0.615	ft^3/s	43	43
30 Day 2 Year Low Flow	1.07	ft^3/s	38	38
7 Day 10 Year Low Flow	0.211	ft^3/s	66	66

Statistic	Value	Unit	SE	ASEp
30 Day 10 Year Low Flow	0.384	ft^3/s	54	54
90 Day 10 Year Low Flow	0.741	ft^3/s	41	41

Low-Flow Statistics Citations

Stuckey, M.H.,2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (http://pubs.usgs.gov/sir/2006/5130/)

Application Version: 4.29.2
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1

Input Data WQM 7.0

SWP Basin	Stream Code	Stream Name	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope (ft/ft)	PWS Withdrawal (mgd)	Apply FC
19D	38093	MOUNTS CREEK	6.500	1000.00	12.20	0.00450	0.00	☑

Stream Data

Design Cond.	LFY (cfsm)	Trib Flow (cfs)	Stream Flow (cfs)	Rch Trav Time (days)	Rch Velocity (fps)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Tributary Temp (°C)	Tributary pH	Stream Temp (°C)	Stream pH
Q7-10	0.017	0.00	0.00	0.000	0.000	20.0	0.00	0.00	25.00	7.00	0.00	0.00
Q1-10		0.00	0.00	0.000	0.000							
Q30-10		0.00	0.00	0.000	0.000							

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	Disc Temp (°C)	Disc pH
Fore Golf	PA0205575	0.0100	0.0100	0.0100	0.000	25.00	7.00

Parameter Data

Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/days)
CBOD5	25.00	2.00	0.00	1.50
Dissolved Oxygen	3.00	8.24	0.00	0.00
NH3-N	25.00	0.40	0.00	0.70

Input Data WQM 7.0

SWP Basin	Stream Code	Stream Name	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope (ft/ft)	PWS Withdrawal (mgd)	Apply FC
19D	38093	MOUNTS CREEK	5.500	976.24	16.00	0.00450	0.00	☑

Stream Data

Design Cond.	LFY (cfsm)	Trib Flow (cfs)	Stream Flow (cfs)	Rch Trav Time (days)	Rch Velocity (fps)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Tributary Temp (°C)	Tributary pH	Stream Temp (°C)	Stream pH
Q7-10	0.017	0.00	0.00	0.000	0.000	20.0	0.00	0.00	25.00	7.00	0.00	0.00
Q1-10		0.00	0.00	0.000	0.000							
Q30-10		0.00	0.00	0.000	0.000							

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	Disc Temp (°C)	Disc pH
		0.0000	0.0000	0.0000	0.000	25.00	7.00

Parameter Data

Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/days)
CBOD5	25.00	2.00	0.00	1.50
Dissolved Oxygen	3.00	8.24	0.00	0.00
NH3-N	25.00	0.00	0.00	0.70