pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southeast Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0053074**
Facility Type	**Non-Municipal**	APS ID	**1103789**
Major / Minor	**Minor**	Authorization ID	**1467347**

NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE

Applicant and Facility Information

Applicant Name	**The Piper Group**	Facility Name	**Valley Green Corp Center STP**
Applicant Address	PO Box 320 103 Randts Mill Road	Facility Address	7111 Valley Green Road
	Pipersville, PA 18947-0320		Fort Washington, PA 19034-2207
Applicant Contact	Robert Sigety	Facility Contact	John Scully
Applicant Phone	(215) 766-2900	Facility Phone	(215) 766-2626
Client ID	209989	Site ID	466672
Ch 94 Load Status		Municipality	Whitemarsh Township
Connection Status		County	Montgomery
Date Application Received	November 29, 2023	EPA Waived?	Yes
Date Application Accepted	January 5, 2024	If No, Reason	

Purpose of Application: Sewage treatment plant - NPDES renewal.

Summary of Review

The applicant requests approval for renewal of an NPDES permit to discharge 8,300 gpd of treated sewage effluent from Green Valley Corporate Center located at 7111 Valley Green Road. The hydraulic design capacity is 16600 gpd. The maximum monthly flows during 2020, 2021, and 2023 were 1295 gpd, 10283 gpd, and 12665 gpd respectively, and the maximum monthly flow for 2023 was 2209 gpd.

The treatment plant consists of two equalization tanks, two aerations tanks, two clarifiers, one sludge holding tank, and one chlorine detention tank. The discharge is in compliance with the effluent limitations in the permit.

There were no process changes since last renewal.

There were no violations of limits during the previous 12 months, all results provided in the application meet the limits. All parameter limits have been rolled over to this renewal.

Act 14 Notifications:
November 13, 2023 – Whitemarsh Township Board of Supervisors
November 13, 2023 – Montgomery County Board of Commissioners

Sludge use and disposal description and location(s): 0.3336 dry tons sludge hauled by Franc Environmental to Hatfield WWTP

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-

Approve	Deny	Signatures	Date
X		*Amy Boginsky* Amy Boginsky, MS, EIT / Environmental Engineering Specialist	June 3, 2024
X		*Pravin Patel* Pravin C. Patel, P.E. / Environmental Engineer Manager	06/04/2024

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.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.0083
Latitude	40º 7' 33.83"	Longitude	-75º 12' 14.16"
Quad Name	Ambler	Quad Code	1744
Wastewater Description:	Effluent		

Receiving Waters	Sandy Run (TSF, MF)	Stream Code	00859
NHD Com ID	25960196	RMI	1.75
Drainage Area	5.39 mi^2	Yield (cfs/mi^2)	0.3432
Q_{7-10} Flow (cfs)	1.85	Q_{7-10} Basis	StreamStats
Elevation (ft)	160.73	Slope (ft/ft)	
Watershed No.	3-F	Chapter 93 Class.	TSF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	BIOCHEMICAL OXYGEN DEMAND (BOD), BIOCHEMICAL OXYGEN DEMAND (BOD), CAUSE UNKNOWN, FLOW REGIME MODIFICATION, FLOW REGIME MODIFICATION, HABITAT ALTERATIONS, NUTRIENTS, NUTRIENTS, NUTRIENTS, NUTRIENTS, PATHOGENS, SILTATION		
Source(s) of Impairment	HABITAT MODIFICATION - OTHER THAN HYDROMODIFICATION, MUNICIPAL POINT SOURCE DISCHARGES, MUNICIPAL POINT SOURCE DISCHARGES, MUNICIPAL POINT SOURCE DISCHARGES, MUNICIPAL POINT SOURCE DISCHARGES, MUNICIPAL POINT SOURCE DISCHARGES, SOURCE UNKNOWN, URBAN RUNOFF/STORM SEWERS, URBAN RUNOFF/STORM SEWERS, URBAN RUNOFF/STORM SEWERS, URBAN RUNOFF/STORM SEWERS, URBAN RUNOFF/STORM SEWERS		
TMDL Status	Final, Tentative	Name	Sandy Run,Wissahickon TMDL

Nearest Downstream Public Water Supply Intake	None		
PWS Waters		Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	

Changes Since Last Permit Issuance: None

Compliance History

DMR Data for Outfall 001 (from April 1, 2023 to March 31, 2024)

Parameter	MAR-24	FEB-24	JAN-24	DEC-23	NOV-23	OCT-23	SEP-23	AUG-23	JUL-23	JUN-23	MAY-23	APR-23
Flow (MGD) Average Monthly	0.000779	0.00049 3	0.0004	0.00032	0.00094 2	0.00087 2	0.00084 2	0.00220 9	0.00181 5	0.00100 8	0.00063 6	0.00067 8
Flow (MGD) Daily Maximum	0.010022	0.00553 5	0.00160 5	0.00156 3	0.00396 1	0.00207	0.00299 7	0.01174 5	0.02017 4	0.00996 5	0.00273	0.00173
pH (S.U.) Instantaneous Minimum	7.51	7.55	8.03	7.7	7.45	7.54	7.72	8.1	7.38	7.87	7.67	7.52
pH (S.U.) Instantaneous Maximum	8.16	8.16	8.2	8.22	8.16	8.71	8.77	8.66	8.9	8.9	8.35	8.21
DO (mg/L) Instantaneous Minimum	8.11	7.77	7.97	6.99	7.11	8.01	8.11	7.86	7.7	7.77	8.71	7.34
TRC (mg/L) Average Monthly	0.4	0.4	0.2	0.4	0.07	0.3	0.04	0.2	0.3	0.3	0.3	0.3
TRC (mg/L) Instantaneous Maximum	0.56	0.56	0.41	0.66	0.55	0.77	0.57	0.6	0.67	0.67	0.44	0.61
CBOD5 (mg/L) Average Monthly	< 3	3.0	< 3	< 2	4	< 3	8	< 6	< 6	< 5	< 4	3
TSS (mg/L) Average Monthly	< 2	< 1	2	3	4	< 4	< 1	< 2	< 2	3	< 6	< 4
Fecal Coliform (No./100 ml) Geometric Mean	< 2	< 2	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Fecal Coliform (No./100 ml) Instantaneous Maximum	< 2	< 2	7	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Nitrate-Nitrite (mg/L) Average Monthly	< 48.5	39.2	< 24	< 30.4	< 30	51.1	< 33.5	< 26.3	< 12.62	< 43.7	< 56.1	< 57.1
Ammonia (mg/L) Average Monthly	0.3	0.2	0.4	1.3	0.2	0.1	0.3	0.2	< 0.1	0.1	0.04	< 0.03
Total Phosphorus (mg/L) Average Monthly	5.95	4.89	3.49	3.76	4.14	6.7	4.32	3.75	3.01	6.93	10.73	8.49

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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	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Metered
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Daily when Discharging	Grab
DO	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX	Daily when Discharging	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.2	Daily when Discharging	Grab
CBOD5 Nov 1 - Apr 30	XXX	XXX	XXX	20	XXX	40	2/month	24-Hr Composite
CBOD5 May 1 - Oct 31	XXX	XXX	XXX	10	XXX	20	2/month	24-Hr Composite
TSS	XXX	XXX	XXX	30	XXX	60	2/month	24-Hr Composite
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/month	Grab
Nitrate-Nitrite	XXX	XXX	XXX	Report	XXX	XXX	1/month	24-Hr Composite
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	6.0	XXX	12	2/month	24-Hr Composite
Ammonia May 1 - Oct 31	XXX	XXX	XXX	2.0	XXX	4	2/month	24-Hr Composite
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/month	24-Hr Composite

Compliance Sampling Location: Outfall 001