pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southeast Regional Office
CLEAN WATER PROGRAM

NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE

Application Type	**Renewal**	Application No.	**PA0042617**
Facility Type		APS ID	**1107335**
Major / Minor	**Minor**	Authorization ID	**1472958**

Applicant and Facility Information

Applicant Name	**Viant Collegeville LLC**	Facility Name	**Viant Collegeville LLC**
Applicant Address	200 West 7th Avenue	Facility Address	200 West 7th Avenue
	Trappe, PA 19426-0992		Trappe, PA 19426-0992
Applicant Contact	Patrick Hennessy	Facility Contact	Jeremy Gross
Applicant Phone	(610) 409-2375	Facility Phone	(610) 409-2375
Client ID	65359	Site ID	2323
Ch 94 Load Status		Municipality	Trappe Borough
Connection Status		County	Montgomery
Date Application Received	February 1, 2024	EPA Waived?	Yes
Date Application Accepted		If No, Reason	

Purpose of Application: Renewal

Summary of Review

Applicant requests renewal of an NPDES permit to discharge treated groundwater and stormwater from their Viant Collegeville Facility. The permittee operates a cleanup operation as a result of groundwater contamination from past use of Trichloroethylene (TCE) and 1,1,1-Trichloroethane (1,1,1-TCA) as degreasers and the metal Chromium. The remediation was originally conducted as a RCRA Corrective Action with EPA and currently under an Environmental Covenant with EPA.

The facility manufactures small diameter metal tubing and precision tubular parts. The industry is classified under SIC 3317. Process wastewater is pretreated and discharged to the Lower Perkiomen Valley Regional Sewer Authority.

The permittee operates a groundwater remediation system that discharges through Outfall 002. The system consists of an air stripping tower. Groundwater is pumped from Plant No. 1(underdrain collection) sump and 2 onsite wells (UTM-1 and UTM-11) via transfer sump T-1 to air stripping tower for removal of TCE and TCA. Outfall 003 discharges site stormwater from a retention basin. Outfall 002 drains to Outfall 003 before discharging to the unnamed tributary of Perkiomen Creek, a.k.a. Donny Brook.

The existing limits for Outfall 002, TCE and 1,1,1 -TCA are based on the Maximum Contaminant Levels (MCLs) for protection of drinking water as the discharge is to a drainage swale. The limits are carried over to the new permit.

Permittee requested to reduce the monitoring frequency of Hexavalent Chromium and 1,4 Dioxane to annual due to lower concentrations in the last five years, however the current quarterly monitoring is required and appropriate for this type of dischargers.

The stormwater contribution is from vehicle parking, limited outdoor transport activity and diked, covered or tarped outdoor storage to Outfall 003. SIC Code 3317 is consistent with the General Permit Appendix B: TSS, Total Aluminum, Total Zinc,

Approve	Deny	Signatures	Date
x		*Vasantha* Vasantha Palakurti / Environmental Engineering Specialist	March 4, 2024
X		*Pravin Patel* Pravin C. Patel, P.E. / Environmental Engineer Manager	03/04/2024

Summary of Review
Total Copper, Total Iron, Total Lead. Due to revised PAG03 stormwater guidelines, the stormwater parameters have been updated to add TN, TP and O&G. 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.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	002	Design Flow (MGD)	.112
Latitude	40º 11' 24.98"	Longitude	-75º 28' 58.58"
Quad Name	Collegeville	Quad Code	1742
Wastewater Description:	Groundwater Cleanup Discharge		
Receiving Waters	Unnamed Tributary to Perkiomen Creek, a.k.a. Donny Brook (TSF)	Stream Code	01130
NHD Com ID	25966208	RMI	0.6
Drainage Area	~0.1 mi^2	Yield (cfs/mi^2)	0-dry swale
Q_{7-10} Flow (cfs)	0	Q_{7-10} Basis	Topo map
Watershed No.	3-E	Chapter 93 Class.	TSF
Existing Use	Same as Ch. 93	Existing Use Qualifier	na
Assessment Status	Impaired		
Cause(s) of Impairment	FLOW REGIME MODIFICATION, SILTATION		
Source(s) of Impairment	URBAN RUNOFF/STORM SEWERS		
TMDL Status	No TMDL		
Outfall No.	002		
Latitude	40º 11' 24.98"	Longitude	-75º 28' 58.58"

Nearest Downstream Public Water Supply Intake: Aqua PA – Wetherill Dam-main stem Perkiomen

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	003	Design Flow (MGD)	0
Latitude	40Âº 11' 24.86"	Longitude	-75Âº 28' 57.52"
Quad Name	Collegeville	Quad Code	
Wastewater Description:	Stormwater		

Changes Since Last Permit Issuance: No Changes since last permit Issuance

Compliance History

DMR Data for Outfall 002 (from February 1, 2023 to January 31, 2024)

Parameter	JAN-24	DEC-23	NOV-23	OCT-23	SEP-23	AUG-23	JUL-23	JUN-23	MAY-23	APR-23	MAR-23	FEB-23
Flow (MGD) Average Monthly		0.0824	0.051527	0.059868	0.055607	0.62226	0.066158	0.05566	0.073777	0.07249	0.0751	0.08054
Hexavalent Chromium (mg/L) Average Quarterly		0.00092			0.00110			0.00182			0.00086	
Hexavalent Chromium (mg/L) Daily Maximum		0.00092			0.00110			0.00182			0.00086	
1,4-Dioxane (mg/L) Average Quarterly		0.0020			0.0028			0.0021			0.0021	
1,4-Dioxane (mg/L) Daily Maximum		0.0020			0.0028			0.0021			0.0021	
1,1,1-Trichloroethane (mg/L) Average Monthly		< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
1,1,1-Trichloroethane (mg/L) Daily Maximum		< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.0008	< 0.0005	< 0.0005
Trichloroethylene (mg/L) Average Monthly		0.0005	0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.0008	0.0006	< 0.0005	< 0.0005	< 0.0005
Trichloroethylene (mg/L) Daily Maximum		0.0008	< 0.0005	0.0006	< 0.0005	0.0007	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005

DMR Data for Outfall 003 (from February 1, 2023 to January 31, 2024)

Parameter	JAN-24	DEC-23	NOV-23	OCT-23	SEP-23	AUG-23	JUL-23	JUN-23	MAY-23	APR-23	MAR-23	FEB-23
TSS (mg/L) Daily Maximum		< 4.0						5.6				
Total Aluminum (mg/L) Daily Maximum		< 0.100						< 0.100				
Total Copper (mg/L) Daily Maximum		< 0.002						< 0.002				

Total Iron (mg/L) Daily Maximum		0.100						0.245				
Total Lead (mg/L) Daily Maximum		< 0.001						< 0.001				
Total Zinc (mg/L) Daily Maximum		< 0.010						< 0.010				

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 002, 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	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	2/month	Estimate
Hexavalent Chromium	XXX	XXX	XXX	0.009 Avg Qrtly	0.018	0.023	1/quarter	Grab
1,4-Dioxane	XXX	XXX	XXX	Report Avg Qrtly	Report	XXX	1/quarter	Grab
1,1,1-Trichloroethane	XXX	XXX	XXX	0.2	0.4	0.5	2/month	Grab
Trichloroethylene	XXX	XXX	XXX	0.005	0.01	0.013	2/month	Grab

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 003, 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	Daily Maximum	Instant. Maximum		
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Aluminum, Total	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Copper, Total	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Iron, Total	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Lead, Total	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Zinc, Total	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

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Approve	Deny	Signatures	Date
x		*Vasantha* Vasantha Palakurti / Environmental Engineering Specialist	March 4, 2024
X		*Pravin Patel* Pravin C. Patel, P.E. / Environmental Engineer Manager	03/04/2024