

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SFTF

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SFTF/SRSTP**

Application No. PA0244414  
APS ID 1081854  
Authorization ID 1428506

**Applicant, Facility and Project Information**

Applicant Name	<u>Jaster Associates, LLC</u>	Facility Name	<u>Jaster Associates STP</u>
Applicant Address	<u>1730 Fairhill Road</u> <u>Sellersville, PA 18960</u>	Facility Address	<u>6912 Old Easton Road</u> <u>Pipersville, PA 18947</u>
Applicant Contact	<u>Jan Hutwelker</u>	Facility Contact	<u>Jan Hutwelker</u>
Applicant Phone	<u>(215) 766-1211</u>	Facility Phone	<u>(215) 766-1211</u>
Client ID	<u>261785</u>	Site ID	<u>683717</u>
SIC Code	<u>5499</u>	Municipality	<u>Bedminster Township</u>
SIC Description	<u>Retail Trade - Miscellaneous Food Stores</u>	County	<u>Bucks</u>
Date Application Received	<u>February 28, 2023</u>	WQM Required	<u></u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>Permit Renewal.</u>		

**Summary of Review**

Applicant requests renewal of an NPDES permit to discharge 810 gallons per day of treated sewage into a dry swale to UNT to Cabin Run.

The small flow treatment plant consists of a BioMicrobics package plant and UV disinfection system. The treatment plant serves office building located at 6912 Old Easton Road in Bedminster Township, Bucks County. The treated sewage is being discharged into UNT to Cabin Run. Effluent limits are based on the Dry Swale Guidance. Effluent limits for most of the parameters will remain the same in this permit renewal. There were few violations for CBOD5, TSS and Fecal Coliform effluent limits during last year. We have incorporated monitor/report for Total Phosphorus, E. Coli and UV Intensity for this permit renewal and is consistent with our SOP for Individual sewage Permits.

Effluent limits are as follows:

PARAMETER	AVERAGE MONTHLY LIMITS (mg/l)	BASIS
Total Suspended Solids	10	BAT - Dry Swale Guidance
CBOD5	10	BAT - Dry Swale Guidance
Total Nitrogen	20	BAT - Dry Swale Guidance
Dissolved Oxygen	4.0 Minimum	BPJ
pH (SU)	6.0 to 9.0 SU	92a.47, 95.2
Fecal Coliform (#/100 ml)	200 Geo. Mean	92a.47
Total Phosphorus	Report	92a.61
UV Intensity (mW/cm <sup>2</sup> )	Report	SOP for Sewage
E. Coli	Report	92a.47

Approve	Deny	Signatures	Date
X		<i>Ketan Thaker</i> Ketan Thaker / Project Manager	8/24/2023
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	08/24/2023

**Summary of Review**

Act-14 Notification to Bucks County on February 22, 2023.  
Act-14 Notification to Bedminster Township on February 22, 2023.

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.	<u>001</u>	Design Flow (MGD)	<u>.00081</u>
Latitude	<u>40° 25' 9.27"</u>	Longitude	<u>-75° 8' 37.41"</u>
Quad Name	<u></u>	Quad Code	<u></u>

Wastewater Description: Sewage Effluent

Receiving Waters	<u>Unnamed Tributary to Cabin Run (CWF, MF)</u>	Stream Code	<u>03119</u>
NHD Com ID	<u>26030866</u>	RMI	<u>0.4</u>
Drainage Area	<u></u>	Yield (cfs/mi <sup>2</sup> )	<u></u>
Q <sub>7-10</sub> Flow (cfs)	<u></u>	Q <sub>7-10</sub> Basis	<u></u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>2-D</u>	Chapter 93 Class.	<u>CWF, MF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>

Assessment Status Attaining Use(s)

Cause(s) of Impairment

Source(s) of Impairment

TMDL Status  Name

Background/Ambient Data	Data Source
pH (SU)	<u></u>
Temperature (°F)	<u></u>
Hardness (mg/L)	<u></u>
Other:	<u></u>

Nearest Downstream Public Water Supply Intake

PWS Waters  Flow at Intake (cfs)

PWS RMI  Distance from Outfall (mi)

**Compliance History**

**DMR Data for Outfall 001 (from July 1, 2022 to June 30, 2023)**

Parameter	JUN-23	MAY-23	APR-23	MAR-23	FEB-23	JAN-23	DEC-22	NOV-22	OCT-22	SEP-22	AUG-22	JUL-22
Flow (GPD) Average Monthly	293	284	280	297	286	271	271	267	271	280	297	258
pH (S.U.) Instantaneous Minimum	7.47	7.38	7.03	7.19	6.93	7.05	7.09	7.15	7.09	6.85	6.62	7.14
pH (S.U.) Instantaneous Maximum	7.47	7.38	7.03	7.19	6.93	7.05	7.09	7.15	7.09	6.85	6.62	7.14
DO (mg/L) Instantaneous Minimum	6.4	7.6	7.2	7.1	8.6	9.6	7.1	6.8	8.1	6.5	8.9	7.1
CBOD5 (mg/L) Average Monthly	< 2.0	5.1	< 11.0	12.6	5.0	6.8	8.0	2.8	< 2.0	< 2.0	2.1	< 2.0
TSS (mg/L) Average Monthly	7.6	8.5	6.6	14.55	< 3.4	9.7	7.9	4.5	< 3.4	< 3.4	< 3.4	< 3.3
Fecal Coliform (No./100 ml) Geometric Mean	< 1	< 1	< 1	5	< 1	< 1	< 1	< 1	95	< 1	3	< 1
Fecal Coliform (No./100 ml) Instantaneous Maximum	< 1	< 1	< 1	5	< 1	< 1	< 1	< 1	9091	< 1	3	< 1
Total Nitrogen (mg/L) Average Monthly	16.0	10.0	18.5	10.0	8.1	6.1	5.5	9.3	9.8	7.8	16.0	12.0

**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" (362-0400-001), SOPs and/or BPJ.

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

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Instantaneous Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (GPD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/month	Grab
DO	XXX	XXX	4.0	XXX	XXX	XXX	1/month	Grab
CBOD5	XXX	XXX	XXX	10.0	XXX	20	1/month	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/month	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/month	Grab
E. Coli (No./100 ml)	XXX	XXX	XXX	XXX	XXX	Report	1/quarter	Grab
UV Intensity (mW/cm <sup>2</sup> )	XXX	XXX	Report	XXX	XXX	XXX	1/month	Metered
Total Nitrogen	XXX	XXX	XXX	20.0	XXX	40	1/month	Grab
Total Phosphorus	XXX	XXX	XXX	Report	Report Daily Max	XXX	1/month	Grab