Pennsylvania Department of Environmental Protection

Southeast Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0057738**
Wastewater Type	**Sewage**	APS ID	**1111764**
Facility Type	**SFTF**	Authorization ID	**1480973**

NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**PA DCNR Bureau of State Parks**	Facility Name	**Delaware Canal State Park SFSTP**
Applicant Address	11 Lodi Hill Road	Facility Address	3213 PA-32 River Road
	Upper Black Eddy, PA 18972-9540		New Hope, PA 18938
Applicant Contact	Brian Heath	Facility Contact	Ron Gilliland
Applicant Phone	(610) 982-5560	Facility Phone	(610) 982-5560
Client ID	64584	Site ID	248237
SIC Code	8422	Municipality	Solebury Township
SIC Description	Services - Botanical And Zoological Gardens	County	Bucks
Date Application Received	April 2, 2024	WQM Required	
Date Application Accepted		WQM App. No.	

Project Description: Permit Renewal.

Summary of Review

PA DCNR Bureau of State Parks has submitted application for the renewal of NPDES Permit No. PA0057738 to discharge 800 gallons per day to the Delaware River. The facility is located at the Virginia Forest Picnic area within the Delaware Canal State Park in Solebury Township, Bucks County.

The sewage treatment plant consists of two 1,000-gallon septic tanks in series with discharge to a dosing pump tank and then to four enclosed sand filters. The filters discharge through tablet chlorinator to a chlorine contact tank and eventually gravity discharge to the Delaware River. Sodium Hypochlorite tablets are used for disinfection. The effluent is generally in compliance with permit limits. Effluent limits for all the parameters will remain the same in this permit renewal.

Following are effluent limits:

PARAMETERS	EFFLUENT LIMITS (MG/L)	BASIS
CBOD5	25	92a.47
Total Suspended Solids	30	92a.47
Total Residual Chlorine	Report	92a.47-48
pH (S.U.)	6.0 to 9.0 S.U.	92a.47, 95.2
Fecal Coliform (No./100 ml)	200 #/100 ml (Geo Mean)	92a.47

Act-14 Notification to Solebury Township on April 1, 2024.
Act-14 Notification to Bucks County Water & Sewer Authority on April 1, 2024.

Approve	Deny	Signatures	Date
X		Ketan Thaker Ketan Thaker / Project Manager	10/7/2024
X		Pravin Patel Pravin C. Patel, P.E. / Environmental Engineer Manager	10/7/2024

Summary of Review
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 and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0.0008
Latitude	40Âº 24' 25.18"	Longitude	-75Âº 0' 8.05"
Quad Name		Quad Code	
Wastewater Description:	Sewage Effluent		

Receiving Waters	Delaware River (WWF, MF)	Stream Code	00002
NHD Com ID	26066810	RMI	
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	2-E	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Not Assessed		
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)	

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) (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	Metered
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/week	Grab
TRC	XXX	XXX	XXX	Report	XXX	Report	1/week	Grab
CBOD5	XXX	XXX	XXX	25	XXX	50	1/month	Grab
TSS	XXX	XXX	XXX	30	XXX	60	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

Compliance History

DMR Data for Outfall 001 (from August 1, 2023 to July 31, 2024)

Parameter	JUL-24	JUN-24	MAY-24	APR-24	MAR-24	FEB-24	JAN-24	DEC-23	NOV-23	OCT-23	SEP-23	AUG-23
Flow (MGD) Average Monthly	0.00190	0.00149	0.00087	0.00083	0.00023	0.00045	0.00032	0.00052	0.00079	0.00092	0.00220	0.00465
pH (S.U.) Instantaneous Minimum	5.8	6.2	6.2	6.7	6.8	7.1	7.1	6.8	6.3	6.5	6.5	6.0
pH (S.U.) Instantaneous Maximum	6.8	6.8	6.9	7.1	7.7	7.7	7.9	7.9	7.9	6.7	7.4	6.9
TRC (mg/L) Average Monthly	0.26	0.6	0.38	0.4	0.33	0.4	0.6	0.62	0.5	0.44	0.28	0.47
TRC (mg/L) Instantaneous Maximum	0.8	0.9	0.4	0.5	0.5	0.5	0.9	0.9	0.7	0.5	1.1	0.7
CBOD5 (mg/L) Average Monthly	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TSS (mg/L) Average Monthly	17	5.0	6.0	2	3	2.0	1.0	10	2.0	1	1.0	5.0
Fecal Coliform (No./100 ml) Geometric Mean	< 1	80	< 1	15	< 1	< 1	< 1	60	2	< 1	< 1	12
Fecal Coliform (No./100 ml) 90% of Samples				15	< 1	< 1	< 1	60	2	< 1		
Fecal Coliform (No./100 ml) Instantaneous Maximum	< 1	80	< 1								< 1	12