

Application Type Renewal  
 Facility Type Non-Municipal  
 Major / Minor Minor

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SEWAGE**

Application No. PA0042978  
 APS ID 1125343  
 Authorization ID 1505767

**Applicant and Facility Information**

Applicant Name	<u>DCNR - Bureau of State Parks</u>	Facility Name	<u>Washington Crossing Historic Park Upper WWTP</u>
Applicant Address	<u>1112 River Road Washington Crossing, PA 18977</u>	Facility Address	<u>Washington Crossing Historic Park 1112 River Road Washington Crossing, PA 18977</u>
Applicant Contact	<u>Corey Shannon</u>	Facility Contact	<u>Corey Shannon</u>
Applicant Phone	<u>(215) 493-4076</u>	Facility Phone	<u>(215) 493-4076</u>
Client ID	<u>63317</u>	Site ID	<u>244950</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Solebury Township</u>
Connection Status	<u>No Limitations</u>	County	<u>Bucks</u>
Date Application Received	<u>October 23, 2024</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u></u>
Purpose of Application	<u>Renewal of NPDES permit for discharge of treated sewage.</u>		

**Summary of Review**

The applicant requests renewal of an NPDES permit to discharge 25,000 gpd of treated sewage into Delaware River from the sewage treatment plant serving Washington Crossing Historical Park.

The Upper Park Sewage Treatment Plant has not been in operation since 2005. Since then, the wastewater is pumped from the wet well at the site and hauled off-site for disposal. The plant has been upgraded to meet permit requirements. The treatment plant consists of an equalization tank, two aeration tanks, a clarifier, chlorine contact tank, a pump station and a sludge holding tank. Due to minimal and intermittent nature of sewage inflows in recent years, in 2017 the facility commenced contracting to have raw sewage from the collection system pumped and hauled to offsite, in-basin wastewater treatment plant. Therefore, the WWTP is not currently treating sewage and does not discharge. Effluent limits for all the parameters are based on secondary treatment requirements and are rolled over for this renewal. We have added E. Coli monitoring for this permit renewal and is consistent with SOP. We have also added mass limits for CBOD5, TSS, Ammonia, and Phosphorus for this permit renewal. This part of the Delaware River has been designated as "Special Protection Water" by Delaware River Basin Commission. Therefore, any increase or expansion in the flow will result in more stringent effluent limits in the future.

Approve	Deny	Signatures	Date
X		<i>Ketan Thaker</i> Ketan Thaker / Project Manager	3/3/2025
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	03/03/202

**Summary of Review**

Following are effluent limits:

PARAMETER	EFFLUENT LIMITS (AV. MO. IN MG/L)	BASIS
CBOD5	25	92a.47
Total Suspended Solids	30	92a.47
Dissolved Oxygen	4.0 minimum	BPJ
Ammonia (as N)	20	BPJ
Total Residual Chlorine	0.5	92a.47-48
Fecal Coliform (No./100 ml)	200 Geo Mean No./100 ml	92a.47
pH (STD Units)	6.0 to 9.0 SU	92a.47, 95.2
Nitrate as N	Report	DRBC
Total Phosphorus	1.0	92a.61
Total Nitrogen	Report	92a.61
E. Coli (No./100 ml)	Report	92a.47

Act-14 Notice to Solebury Township on October 10, 2024.

Act-14 Notice to Bucks County Commissioners Office on October 10, 2024.

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>0.025</u>
Latitude	<u>40° 20' 11.67"</u>	Longitude	<u>-74° 56' 17.14"</u>
Quad Name	_____	Quad Code	_____
Wastewater Description: <u>Sewage Effluent</u>			

Receiving Waters	<u>Delaware River (WWF, MF)</u>	Stream Code	<u>00002</u>
NHD Com ID	<u>26044538</u>	RMI	<u>147.2800</u>
Drainage Area	_____	Yield (cfs/mi <sup>2</sup> )	_____
Q <sub>7-10</sub> Flow (cfs)	_____	Q <sub>7-10</sub> Basis	_____
Elevation (ft)	_____	Slope (ft/ft)	_____
Watershed No.	<u>2-E</u>	Chapter 93 Class.	<u>WWF, MF</u>
Existing Use	_____	Existing Use Qualifier	_____
Exceptions to Use	_____	Exceptions to Criteria	_____

Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>MERCURY</u>		
Source(s) of Impairment	<u>SOURCE UNKNOWN</u>		
TMDL Status	<u>Final</u>	Name	<u>Delaware River Estuary PCB TMDLs</u>

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				
<b>Treatment Facility Name:</b> Washington Crossing Historical Park Upper WWTP				
<b>WQM Permit No.</b>		<b>Issuance Date</b>		
0911401		6/22/2011		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Extended Aeration	Chlorine With Dechlorination	0.025
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.025	17	Not Overloaded	Aerobic Digestion	Landfill

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	Continuous	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	1.2	1/week	Grab
CBOD5	5.21	XXX	XXX	25	XXX	50	1/month	8-Hr Composite
TSS	6.25	XXX	XXX	30	XXX	60	1/month	8-Hr Composite
Total Dissolved Solids	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	8-Hr Composite
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/year	Grab
Total Nitrogen May 1 - Sep 30	XXX	XXX	XXX	Report	XXX	XXX	1/month	8-Hr Composite
Ammonia	4.17	XXX	XXX	20	XXX	40	1/month	8-Hr Composite
Nitrate May 1 - Sep 30	XXX	XXX	XXX	Report	XXX	XXX	1/month	8-Hr Composite

Outfall 001 , Continued (from 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	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Phosphorus	0.21	XXX	XXX	1.0	XXX	2	1/month	8-Hr Composite



Approve	Deny	Signatures	Date
X		<i>Ketan Thaker</i> Ketan Thaker / Project Manager	3/3/2025
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	03/03/202