

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0288365
APS ID 1133910
Authorization ID 1521020

Applicant, Facility and Project Information

Applicant Name	<u>James W Cunningham</u>	Facility Name	<u>James Cunningham SRSTP</u>
Applicant Address	<u>648 Smith Road</u> <u>New Wilmington, PA 16142-3816</u>	Facility Address	<u>648 Smith Road</u> <u>New Wilmington, PA 16142-3816</u>
Applicant Contact	<u>James Cunningham</u>	Facility Contact	<u>James Cunningham</u>
Applicant Phone	<u>(724) 614-0759</u>	Facility Phone	<u>(724) 614-0759</u>
Client ID	<u>374034</u>	Site ID	<u>840498</u>
SIC Code	<u>8800</u>	Municipality	<u>Wilmington Township</u>
SIC Description	<u>Private Households</u>	County	<u>Lawrence</u>
Date Application Received	<u>March 26, 2025</u>	WQM Required	<u>Previously issued - 3720402</u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>Renewal application for a Single Resident Sewage Treatment Plant (SRSTP)</u>		

Summary of Review

The permittee is requesting reissuance of Individual Permit No. PA0288365 that is set to expire on July 31, 2025. The existing discharge serves a single home and discharges into Tributary 3553 to Neshannock Creek (TSF).

The existing facility consists of (WQM Permit No. 3720402): A Norweco Model 960-600 GPD limit having 3 chambers; pretreat, aeration, final clarification, and a Norweco Bio-Dynamic Blue Crystal Residential Disinfection Tablet Feeder.

Act 14 notifications were submitted and received.

The system was updated from UV disinfection to chlorine disinfection; however, an amendment was not submitted or approved. The permittee has 90 days to submit the amendment to approve the use of chlorine as the method of disinfection. The addition of a TRC limit reflects the change in disinfection.

There are no open violations in WMS for the subject Client ID (374034) as of April 18, 2025.

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.

Approve	Deny	Signatures	Date
X		Carlee Wilson Carlee Wilson / Environmental Engineering Trainee	April 17, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	April 18, 2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	41° 4' 45.35"	Longitude	-80° 20' 23.52"
Quad Name	-	Quad Code	-
Wastewater Description:		Sewage Effluent	
Receiving Waters	Unnamed Tributary to Neshannock Creek (TSF)	Stream Code	35533
NHD Com ID	130032020	RMI	2.3900
Drainage Area	0.59	Yield (cfs/mi ²)	-
Q ₇₋₁₀ Flow (cfs)	0.00427	Q ₇₋₁₀ Basis	USGS - StreamStats
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	20-A	Chapter 93 Class.	TSF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Impaired		
Cause(s) of Impairment	SILTATION		
Source(s) of Impairment	AGRICULTURE		
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)	-

Changes Since Last Permit Issuance: N/A

Other Comments: This SRSTP was designed where applicable in accordance with the SFTF Manual, but it does not qualify for coverage under the PAG-04 General Permit due to the to the use of a Norweco Model 960 without a Hydro-Kinetic Bio-Film Reactor.

In accordance with the SOP, no water quality modeling was performed since this is a SRSTP.

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	Annual Average	Maximum	Instant. Maximum		
Flow (GPD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Upon Request	Grab
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001 – after disinfection

Other Comments: The addition of reporting TRC 1/month was added upon discovering chlorine disinfection had replaced the UV disinfection approved by the original permit.

Attachment 1
eMapPA – Receiving Stream Location and Data

The screenshot displays the eMapPA web application interface. At the top, there are navigation tabs: 'Map', 'eFacts Query', 'Advanced Query', and 'Filter Plant Source Search'. Below these are map style options: 'ESRI Streets & Imagery' (selected), 'Topographic', and 'National Geographic'. A toolbar with various map controls is visible. The main map area shows a stream segment highlighted in cyan, with a yellow 'X' marker. A data popup window titled 'PA Historic Streams (1 of 3)' is open over the marker, displaying the following information:

- Name:** Trib 35533 To Neshannock Creek
- Net Streams:** 117811
- Shed:** 20A
- Named:** 0
- Rec No:** 117811
- Seg ID:** 35533_0_3.0742
- Seg ID Old:** 35533_0_3.0742
- From Node:** 48682
- To Node:** 50053
- Down River Mile:** 0
- Up River Mile:** 3.074203
- WRDS:** 35533
- Strahler:** 1

A 'Zoom to' link is at the bottom of the popup. To the right of the map, a 'Locate Latitude and Longitude' dialog box is open, showing input fields for latitude and longitude in DD/MM/SS format. The latitude is 41 4 45.35 and the longitude is -80 20 23.52. 'Locate' and 'Close' buttons are at the bottom of the dialog. The map includes a scale bar (0 to 0.4 miles) and an 'esri' logo in the bottom right corner.

Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Attachment 2
Google Earth – Aerial Site View

