

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0282090
APS ID 1032157
Authorization ID 1551001

Applicant, Facility and Project Information

Applicant Name <u>Mitchell A Ewert</u>	Facility Name <u>Ewert Lot 2 Sfr</u>
Applicant Address <u>4470 Enola Road</u> <u>Newville, PA 17241-9789</u>	Facility Address <u>4470 Enola Road</u> <u>Newville, PA 17241-9789</u>
Applicant Contact <u>Mitchell Ewert</u>	Facility Contact <u>Mitchell Ewert</u>
Applicant Phone <u>(717) 590-0695</u>	Facility Phone <u>(717) 590-0695</u>
Client ID <u>360992</u>	Site ID <u>673428</u>
SIC Code <u>6514</u>	Municipality <u>Upper Frankford Township</u>
SIC Description <u>Fin, Ins & Real Est - Dwelling Operators, Except Apartments</u>	County <u>Cumberland</u>
Date Application Received <u>October 31, 2025</u>	WQM Required <u>Issued</u>
Date Application Accepted <u>December 4, 2025</u>	WQM App. No. <u>2106406</u>
Project Description <u>Application for a renewal of an expired NPDES permit for an existing SRSTP.</u>	

Summary of Review

The Ewerts have submitted an application for a renewal permit for his existing Single Residence Small Flow Treatment Facility located in Cumberland County. DEP received the NPDES permit applications on October 31, 2025 from the applicant. The Department has reviewed the application in order to ensure that the facility does not receive or discharge a flow greater than 500 GPD or exceed the specified limits of CBOD5, Total Suspended Solids, Ammonia, and Fecal Coliform prescribed in the permit. As per 25 Pa. Code § 92a.53, all applicable effluent limits and standards are considered in development of the permit. The limits noted in the permit suggest that any applicable water quality standards will not be violated.

Previously, the site had a Ecoflo STB-650PR installed to treat sewage, but was eventually replaced once new ownership took control of the residence. Now, the residence uses an Ecoflo EC7-500, which is not an approved model for residential application. However, this ruling was only made known after the installation of this unit at this site. Therefore, this permit is suggested to be renewed.

The limits discussed in the permit are based on several factors that were determined by the Standard Operating Procedure for Small Flow Treatment Facilities (SOP No. BCW-PMT-003).

The TSS and Ammonia-Nitrogen limits were prescribed based on The Department's Water Quality Antidegradation Implementation Guidance ID No. 391-0300-002

The Fecal Coliform limits listed in the permit were required by the Bureau of Clean Water, as stated in Chapter 92.2c.b(2) and 93.7.

Approve	Deny	Signatures	Date
X		<i>Jared Lescavage</i> Jared Lescavage / Project Manager	December 4, 2025
x		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	12/8/2025

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.	<u>001</u>	Design Flow (MGD)	<u>.0005</u>
Latitude	<u>40° 14' 10.10"</u>	Longitude	<u>-77° 23' 41.99"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Conodoguinet Creek (WWF)</u>	Stream Code	<u>10364</u>
NHD Com ID	<u>56406543</u>	RMI	<u>1.02</u>
Drainage Area	<u>0.65</u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>0.00404</u>	Q ₇₋₁₀ Basis	<u>StreamStats</u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>7-B</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u></u>	Name	<u></u>
Background/Ambient Data		Data Source	
pH (SU)	<u></u>		<u></u>
Temperature (°F)	<u></u>		<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Carlisle Borough Water Authority</u>		
PWS Waters	<u>Conodoguinet Creek</u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u>37.03</u>	Distance from Outfall (mi)	<u>18</u>

Changes Since Last Permit Issuance: Most recent permit expired. Since the last renewal, the residence has replaced the STB-650 with an EC7-500, which is no longer allowed for residential application.

Other Comments: None

Compliance History	
Summary of DMRs:	N/A
Summary of Inspections:	Lauren Scholl, DEP, conducted a site visit and instructed the applicants that their permit was expired and would need to be renewed.

Other Comments: **This new permit will serve as a renewal for the expired permit that was previously issued to this site.**

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 (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
TRC	XXX	XXX	XXX	Report Avg Mo	XXX	XXX	1/month	Grab
CBOD5	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

Other Comments: None