

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0233242  
APS ID 1060253  
Authorization ID 1390845

**Applicant, Facility and Project Information**

Applicant Name	<u>Shelia E. Caldwell</u>	Facility Name	<u>Shelia E Caldwell</u>
Applicant Address	<u>12416 Wallis Run Road</u> <u>Trout Run, PA 17771-8555</u>	Facility Address	<u>12416 Wallis Run Road</u> <u>Trout Run, PA 17771-8555</u>
Applicant Contact	<u>Shelia Caldwell</u>	Facility Contact	<u>Shelia Caldwell</u>
Applicant Phone	<u>(570) 244-6962</u>	Facility Phone	<u>(570) 244-6962</u>
Client ID	<u>369114</u>	Site ID	<u>856289</u>
SIC Code	<u>4952</u>	Municipality	<u>Plunketts Creek Township</u>
SIC Description	<u>Trans. &amp; Utilities - Sewerage Systems</u>	County	<u>Lycoming</u>
Date Application Received	<u>April 4, 2022</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>April 5, 2022</u>	WQM App. No.	<u>4122401</u>
Project Description	<u>Replace existing on-lot malfunctioning sewage system with new SRSTP with stream discharge.</u>		

**Summary of Review**

The above applicant has submitted an NPDES application for a new Single Residence Sewage Treatment Plant (SRSTP) to serve a single family residence at 12416 Wallis Run Road, Trout Run, PA in Plunketts Creek Township, Lycoming County. The proposed design and construction of the SRSTP will be covered by Water Quality Management Permit No. 4122401, which will be issued simultaneously with the final NPDES permit. The proposed SRSTP will replace an existing failed on-lot system and will discharge to an Unnamed Tributary to King Run (Existing Use- EV). The proposed system will be an Ecoflow Coco Biofilter system with UV disinfection. A more detailed description of the design will be covered in the Internal Review and Recommendations (IRR) for WQM No. 4122401.

Unless otherwise stated, all applicable Department Standard Operating Procedures (SOPs) were followed during the review of the application.

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		<i>Chad A. Fabian</i> Chad A. Fabian / Project Manager	April 26, 2022
X		<i>Nicholas W. Hartranft, P.E.</i> Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	April 27, 2022

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	41° 25' 17.64"	Longitude	-76° 49' 4.18"
Wastewater Description:	Sewage Effluent		
Receiving Waters	UNT to King Run (EV, existing use)	Stream Code	None
NHD Com ID	66910207	RMI	0.1500
Drainage Area	n/a	Yield (cfs/mi <sup>2</sup> )	n/a
Q <sub>7-10</sub> Flow (cfs)	n/a, no modeling required	Q <sub>7-10</sub> Basis	n/a
Elevation (ft)		Slope (ft/ft)	
Watershed No.	10-B	Chapter 93 Class.	HQ-CWF, MF
Existing Use	EV (Exceptional Value)	Existing Use Qualifier	RBP - Antidegradation
Exceptions to Use	none	Exceptions to Criteria	none
Assessment Status	Attaining Use(s)		

Other Comments:

DEP has evaluated information indicating that the existing use of the receiving waters is different than the designated use under 25 Pa. Code § 93.9. In developing the draft NPDES permit, DEP is proposing to protect the existing use of the receiving waters. Following DEP's notice of the receipt of the application and the draft permit in the Pennsylvania Bulletin, DEP will accept written comments during the public comment period regarding DEP's tentative determination to protect the existing use. DEP will make a final determination on existing use protection for the receiving waters as part of the final permit action.

Compliance History	
<b>Summary of AMRs:</b>	The facility is a proposed new facility to replace an existing failing on-lot system. No AMRs have been required yet.
<b>Summary of Inspections:</b>	No inspections have been performed since the facility does not exist. A compliance check using WMS shows no open violation exist for the applicant.

Social & Economical Justification (SEJ)

The discharge is to an Exceptional Value waterway (UNT to Kings Run). The current system is a malfunctioning on-lot system. The site is not suitable to replace the on-lot system, therefore a Single Residence Sewage Treatment Plant (SRTSP) with a discharge is the only option. Sewage planning was approved for the proposed facility by the Department on September 16, 2021.

**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	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
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: 001

Other Comments:

All of the above proposed effluent limitations, sample types, and sampling frequencies are in accordance with the Department's SOP for Small Flow Treatment Facility Individual NPDES Permit Applications SOP (No. BCW-PMT-003). Per the respective SOP, no water quality modeling is required for SRSTPs. Also, per the SOP, the permittee will be required to submit the Annual Maintenance Report (AMR). The permittee should put the required sampling results within the table in the respective AMR. Per the respective SOP, no monitoring for UV is required.

It is recommended the permit be drafted as described above.