

# Northwest Regional Office CLEAN WATER PROGRAM

Application Type	New
Wastewater Type	Sewage
Facility Type	SRSTP

# NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No.	PA0293270
APS ID	1088996
Authorization ID	1//0709

Applicant Name	Dana N Kuhn	Facility Name	Dana Kuhn SRSTP
Applicant Address	9580 Route 6n	Facility Address	9580 Route 6n
	Albion, PA 16401-8214		Albion, PA 16401-8214
Applicant Contact	Dana Kuhn	Facility Contact	
Applicant Phone	(814) 449-7240	Facility Phone	
Applicant Email	mrsdanakuhn@gmail.com		
Client ID	377354	Site ID	862132
SIC Code	8800	Municipality	Elk Creek Township
SIC Description	Private Households	County	Erie
Date Application Receiv	ved May 5, 2023	WQM Required	Yes
Date Application Accept	ted June 1, 2023	WQM App. No.	2523416

#### **Summary of Review**

This is a new discharge for an existing 3 bedroom residential dwelling with proposed construction of a single residence sewage treatment plant to repair an existing malfunctioning on-lot system. The daily sewage flow is projected to be 400 GPD.

Proposed treatment will consist of (WQM Permit No. 2523416): An existing 1,000 gallons dual compartment septic tank, an Ecoflo Coco Filter model EC7-500-P-G/P and an integrated UV disinfection unit.

Act 14 - Proof of Notification was submitted and received.

#### **SPECTIAL CONDITIONS: NONE**

The EPA waiver is in effect.

There are NO open violations in WMS for the subject Client ID (377354) as of June 1, 2023 CWY 6/23/2023

#### **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
Х		Aeshah Shameseldin Aeshah Shameseldin / Civil Engineer Trainee	June 1, 2023
Х		Chad W. Yurisic Chad W. Yurisic, P.E. / Environmental Engineer Manager	6/23/2023

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Infor	rmation	
Outfall No. 001	Design Flow (MGD)	.0004
Latitude 41° 52′ 43″	Longitude	-80° 18' 28"
Quad Name Albion	Quad Code	41080H3
Wastewater Description: Sewage Effluent		
Unnamed Tributary of Temple Receiving Waters Creek (CWF, MF)	Stream Code	63419
NHD Com ID 123919639	Stream code	0.4100
Drainage Area	Yield (cfs/mi²)	0.4100
Q <sub>7-10</sub> Flow (cfs) 0	Q <sub>7-10</sub> Basis	Dry Ditch
Elevation (ft) 1150	Slope (ft/ft)	
Watershed No. 15-A	Chapter 93 Class.	CWF, MF
Existing Use	Existing Use Qualifier	
Exceptions to Use	Exceptions to Criteria	
Assessment Status Attaining Use(s)		
Cause(s) of Impairment		
Source(s) of Impairment		
TMDL Status	Name	
Background/Ambient Data	Data Source	
pH (SU)	Default	
Temperature (°F) 20	Default	
Hardness (mg/L) 100	Default	
Other:		
Nearest Downstream Public Water Supply Intake	PA – Canadian International B	oundary in Lake Erie
PWS Waters Lake Erie	Flow at Intake (cfs)	
PWS RMI	Distance from Outfall (mi)	

Changes Since Last Permit Issuance: N/A -This is a proposed discharge (Planning was approved on March 22, 2023)

Other Comments: This SRSTP was designed where applicable in accordance with the SFTF Manual, but it does not qualify for the PAG-04 General Permit due to the use of an Ecoflo Coco Filter unit model EC7-500-P-G/P.

The Ecoflo Coco Filter unit model EC7-500-P-G/P is reportedly capable of meeting CBOD5 averages of 10 mg/L and TSS averages of 10 mg/L.

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.

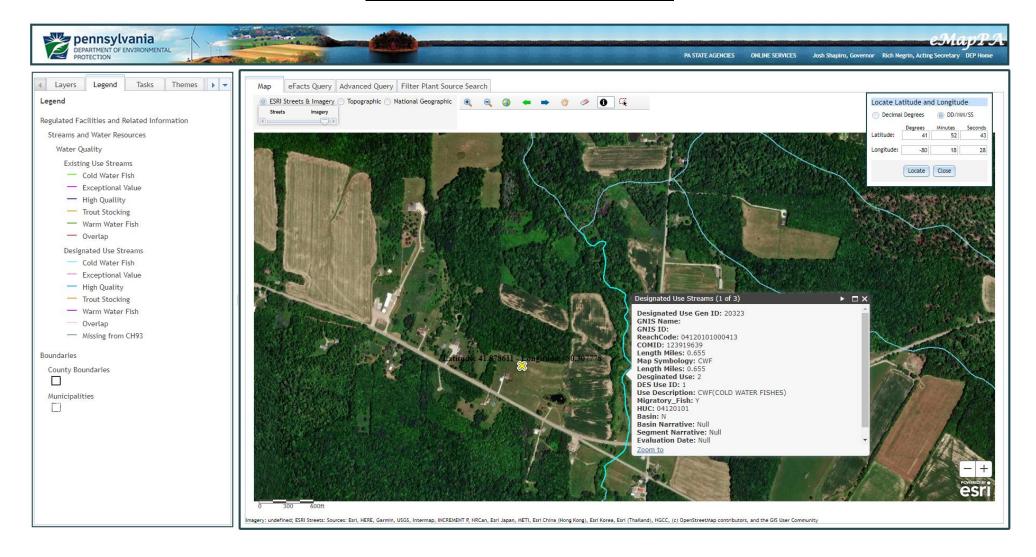
#### Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

			Effluent L	imitations			Monitoring Red	quirements
Parameter	Mass Units	(lbs/day) (1)		Concentrat	tions (mg/L)		Minimum <sup>(2)</sup>	Required
Faranielei	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum	Measurement Frequency	Sample Type
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
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 UV disinfection.

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD5, Total Suspended Solids are BPJ-based on the Department's "Small Flow Treatment Facilities Manual." Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

### **Outfall Location - eMap with Aerial Imagery**



## **Drainage Area Location – StreamStats with Aerial Imagery**

# StreamStats Report

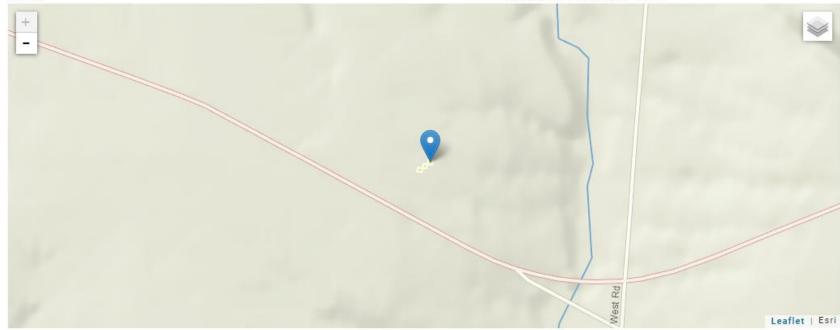
Region ID:

Workspace ID:

Clicked Point (Latitude, Longitude):

Time:

PA PA20230601130544142000 41.87862, -80.30773 2023-06-01 09:06:08 -0400



Collapse All

Parameter Code	Parameter Description	Value	Unit
RNAREA	Area that drains to a point on a stream	0.000116	square miles