pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0239399**
Wastewater Type	**Sewage**	APS ID	**1100395**
Facility Type	**SRSTP**	Authorization ID	**1460863**

NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**Craig V & Julie K King**	Facility Name	**Craig V & Julie K King SRSTP**
Applicant Address	2552 Mercer Butler Pike	Facility Address	2552 Mercer Butler Pike
	Grove City, PA 16127-3722		Grove City, PA 16127-3722
Applicant Contact	Craig King	Facility Contact	
Applicant Phone	(724) 794-4613	Facility Phone	
Client ID	214260	Site ID	620791
SIC Code	4952,8800	Municipality	Liberty Township
SIC Description	Private Households,Trans. & Utilities - Sewerage Systems	County	Mercer
Date Application Received	October 12, 2023	WQM Required	Issued
Date Application Accepted	January 23, 2024	WQM App. No.	

Project Description: Renewal NPDES Permit for a Single Residence Sewage Treatment Plant

Summary of Review

This is a renewal application for a NPDES Permit for an SRSTP consists of: 1000-gallon dual compartment septic tank, Zabel A1800 filter, 350 gallon dosing tank, Sta-Rite D-50 model effluent pump with wiring control, high water alarm with wiring controls, 600 sq. ft. sub surface sand filter, chlorine feeder, chlorine contact tank.

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 (214260) as of February 1, 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.

Approve	Deny	Signatures	Date
X		Aeshah Shameseldin Aeshah Shameseldin / Civil Engineer	February 1, 2024
		Vacant / Environmental Engineer Manager	Okay to Draft JCD 2/5/2024

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.0004
Latitude	41º 6' 37.00"	Longitude	-80º 6' 47.01"
Quad Name	Slippery Rock	Quad Code	41080A1
Wastewater Description:	Sewage Effluent		
Receiving Waters	Unnamed Tributary of Black Run (CWF)	Stream Code	34301
NHD Com ID	126222089	RMI	0.3000
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	0	Q_{7-10} Basis	
Elevation (ft)	1274	Slope (ft/ft)	---
Watershed No.	20-C	Chapter 93 Class.	CWF
Existing Use	---	Existing Use Qualifier	---
Exceptions to Use	---	Exceptions to Criteria	---
Assessment Status	Impaired		
Cause(s) of Impairment	Cause Unknown		
Source(s) of Impairment	Source Unknown		
TMDL Status		Name	

Background/Ambient Data		Data Source
pH (SU)	7.0	Default
Temperature (°F)	68	Default
Hardness (mg/L)	100	Default
Other:		

Nearest Downstream Public Water Supply Intake	Beaver Falls Municipal Authority - Eastvale		
PWS Waters	Beaver River	Flow at Intake (cfs)	561
PWS RMI	5	Distance from Outfall (mi)	---

Changes Since Last Permit Issuance: None.

Other Comments: The nearest downstream public water supply intake is PA American Water Co. – Ellwood City at Slippery Rock Creek however, this facility is currently closed, so that the nearest intake is the Beaver Falls Municipal Authority – Eastvale.

Unnamed Tributary of Black Run —the receiving water for discharges from Outfalls 001 —is impaired by Unknown Cause but the subject facility is not expected to be a cause or source of the impairment.

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.

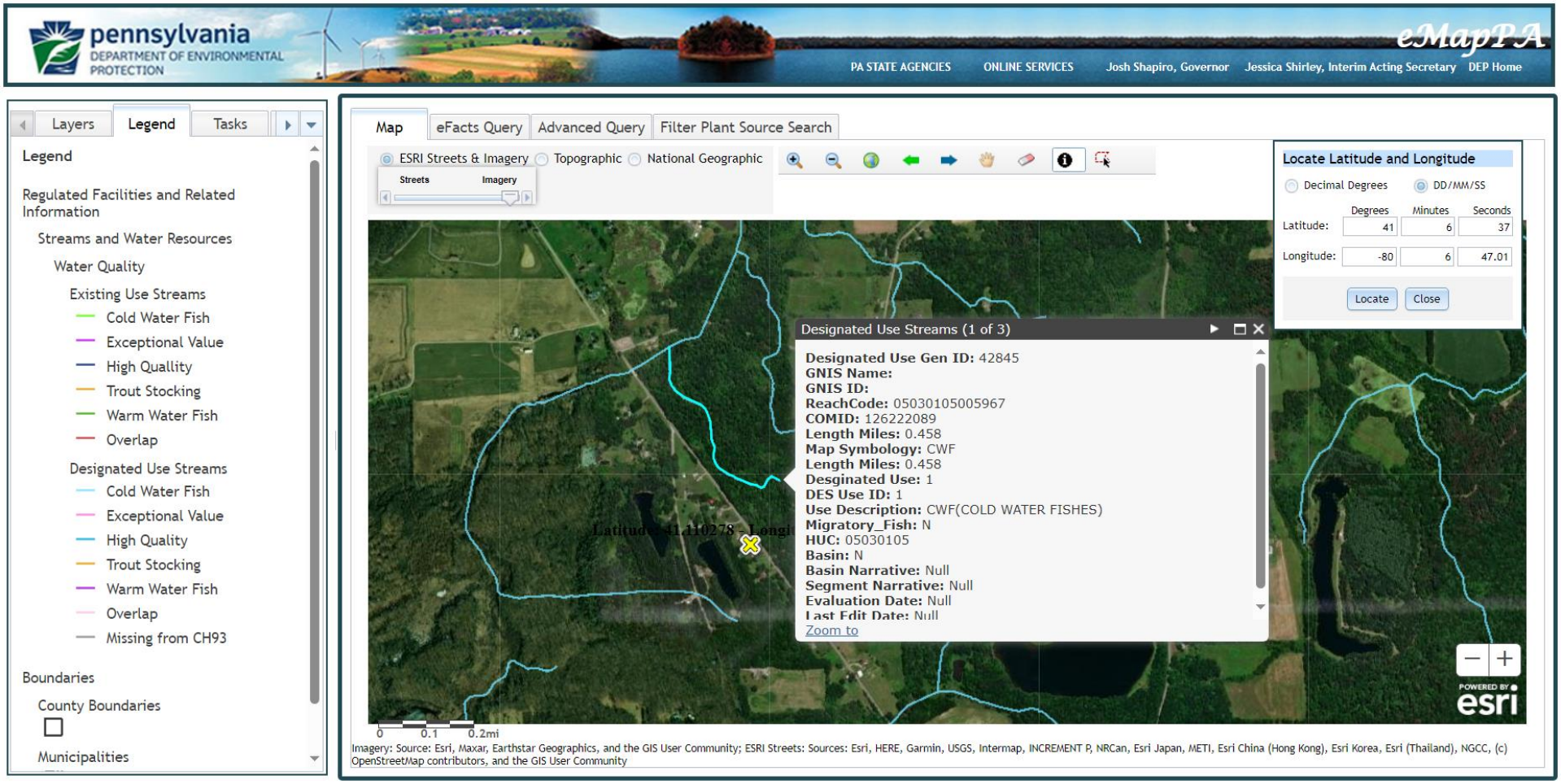
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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 Avg Mo	XXX	XXX	1/month	Grab
BOD5	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, after 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.

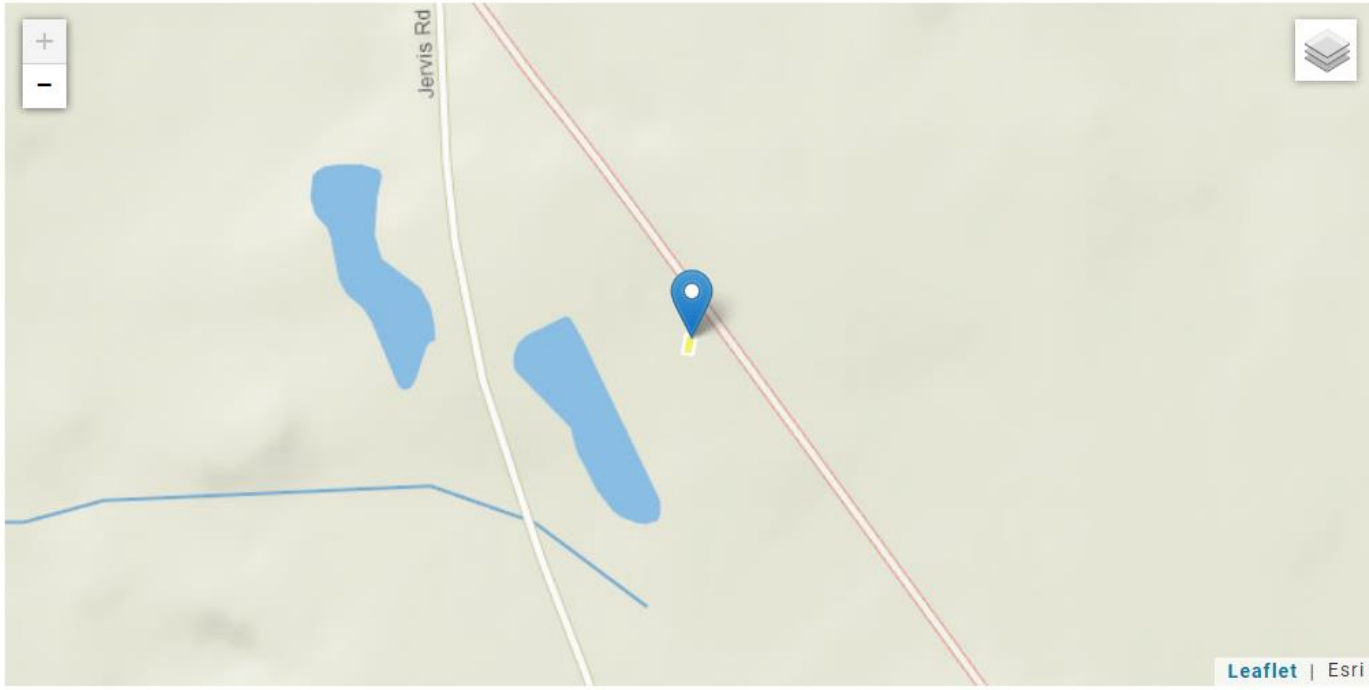
Outfall Location - eMap with Aerial Imagery



Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID:	PA
Workspace ID:	PA20240123184410205000
Clicked Point (Latitude, Longitude):	41.11027, -80.11309
Time:	2024-01-23 13:44:38 -0500



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.0000772	square miles