

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0239399
APS ID 1100395
Authorization ID 1460863

Applicant, Facility and Project Information

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

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.

SPECIAL 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.	<u>001</u>	Design Flow (MGD)	<u>.0004</u>
Latitude	<u>41° 6' 37.00"</u>	Longitude	<u>-80° 6' 47.01"</u>
Quad Name	<u>Slippery Rock</u>	Quad Code	<u>41080A1</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Black Run (CWF)</u>	Stream Code	<u>34301</u>
NHD Com ID	<u>126222089</u>	RMI	<u>0.3000</u>
Drainage Area	<u></u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	<u></u>
Elevation (ft)	<u>1274</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u>---</u>	Existing Use Qualifier	<u>---</u>
Exceptions to Use	<u>---</u>	Exceptions to Criteria	<u>---</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>Cause Unknown</u>		
Source(s) of Impairment	<u>Source Unknown</u>		
TMDL Status	<u></u>	Name	<u></u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	Default	<u></u>
Temperature (°F)	<u>68</u>	Default	<u></u>
Hardness (mg/L)	<u>100</u>	Default	<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Beaver Falls Municipal Authority - Eastvale</u>		
PWS Waters	<u>Beaver River</u>	Flow at Intake (cfs)	<u>561</u>
PWS RMI	<u>5</u>	Distance from Outfall (mi)	<u>---</u>

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

The screenshot shows the Pennsylvania eMapPA web application interface. At the top, there is a banner with the Pennsylvania Department of Environmental Protection logo and navigation links for PA State Agencies, Online Services, and state officials. The main interface includes a 'Legend' panel on the left, a 'Map' area in the center, and a 'Locate Latitude and Longitude' panel on the right. The legend is organized into sections: 'Regulated Facilities and Related Information', 'Streams and Water Resources' (further divided into 'Water Quality' and 'Designated Use Streams'), 'Boundaries', and 'Municipalities'. The 'Map' area features a toolbar with navigation and search tools, and a popup window titled 'Designated Use Streams (1 of 3)' that provides detailed metadata for a selected stream segment. The popup data includes:

- Designated Use Gen ID: 42845
- GNIS Name:
- GNIS ID:
- ReachCode: 05030105005967
- COMID: 126222089
- Length Miles: 0.458
- Map Symbology: CWF
- Length Miles: 0.458
- Designated Use: 1
- DES Use ID: 1
- Use Description: CWF(COLD WATER FISHES)
- Migratory_Fish: N
- HUC: 05030105
- Basin: N
- Basin Narrative: Null
- Segment Narrative: Null
- Evaluation Date: Null
- Last Edit Date: Null
- Zoom to

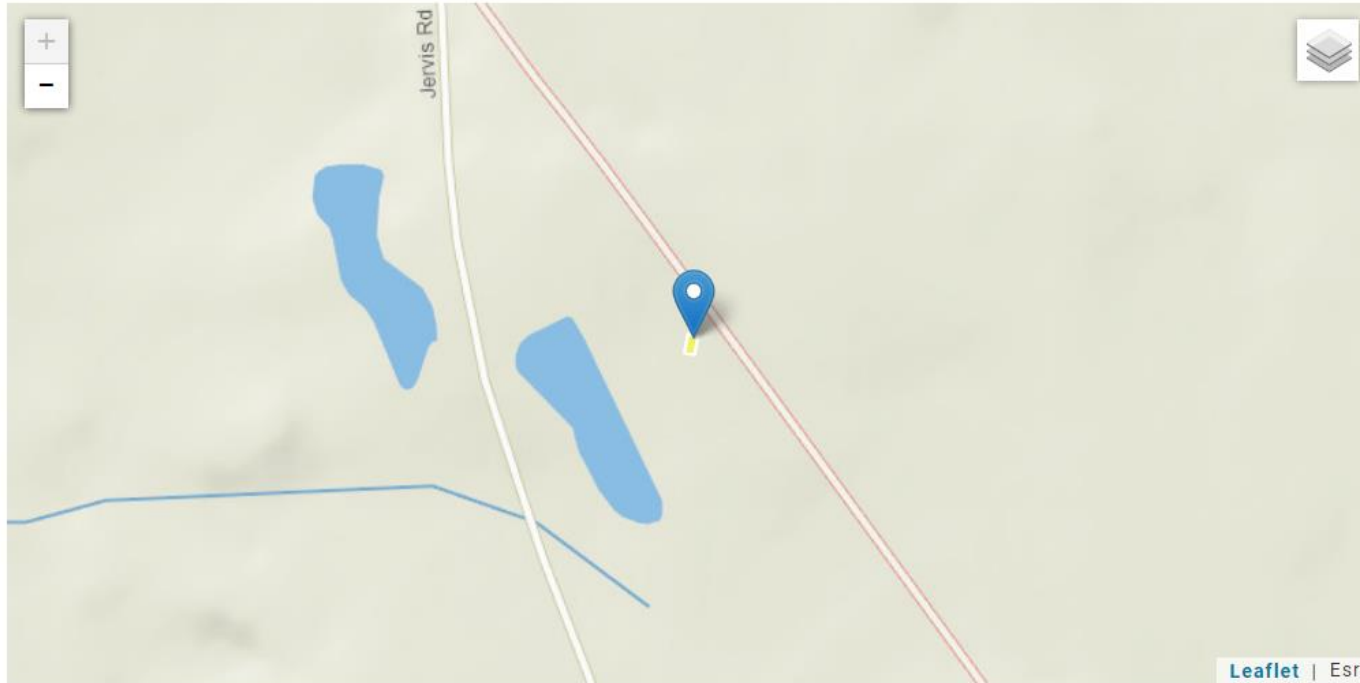
The 'Locate Latitude and Longitude' panel shows coordinates in DD/MM/SS format: Latitude 41° 06' 37" and Longitude -80° 06' 47.01". The map area includes a scale bar (0 to 0.2 miles) and a 'Powered by Esri' logo.

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

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