

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0291358
APS ID 1073507
Authorization ID 1413879

Applicant, Facility and Project Information

Applicant Name	<u>David McDeavitt</u>	Facility Name	<u>McDeavitt Estate SRSTP 2</u>
Applicant Address	<u>418 Deer Run Road</u> <u>Slippery Rock, PA 16057-2940</u>	Facility Address	<u>514 Slippery Rock Road</u> <u>Slippery Rock, PA 16057</u>
Applicant Contact	<u>David McDeavitt</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 290-5402</u>	Facility Phone	<u></u>
Applicant E Mail	<u>davidmcdeavitt@yahoo.com</u>	Facility E Mail	<u></u>
Client ID	<u>372967</u>	Site ID	<u>860411</u>
Municipality	<u>Slippery Rock Township</u>	County	<u>Butler</u>
SIC Code	<u>8800</u>	SIC Code	<u>4952</u>
SIC Description	<u>Private Households</u>	SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>
Date Application Received	<u>September 29, 2022</u>	WQM Required	<u>Pending</u>
Date Application Accepted	<u>October 124, 2022</u>	WQM App. No.	<u>1022418</u>
Project Description	<u>New treated sewage discharge from a proposed failed on-lot sewage treatment facility replacement</u>		

Summary of Review

No violations listed. Design is for 1.4 PPD BOD5 and 500-GPD.

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>William H. Mentzer</i> William H. Mentzer, P.E. Environmental Engineering Specialist	October 24, 2022
X		vacant Environmental Engineer Manager	Okay to Draft JCD 11/1/2022

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 DP	<u>4° 2' 25.12</u>	Longitude DP	<u>-80° 3' 0.43"</u>
Latitude NH D	<u>4° 2' 28.26"</u>	Longitude NHD	<u>-80° 3' 7.12"</u>
Quad Name	<u>Slippery Rock</u>	Quad Code	<u>1005</u>
Wastewater Description: <u>Single residence domestic wastes</u>			
Receiving Waters	<u>Unnamed Tributary of Slippery Rock Creek</u>	Stream Code	<u>unknown</u>
NHD Com ID	<u>126222265</u>	RMI	<u>0.11</u>
Drainage Area	<u>18.0 acres 0.03 square miles</u>	Yield (cfs/mi ²)	<u>0</u>
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	<u>Dry stream</u>
Elevation (ft)	<u>1218.00</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u>Slippery Rock</u>	Existing Use Qualifier	<u>None</u>
Exceptions to Use	<u>None</u>	Exceptions to Criteria	<u>/none</u>
Comments	<u>dry swale confluence with intermittent Tributary 34423 at RMI 0.47</u>		
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>SILTATION, TURBIDITY</u>		
Source(s) of Impairment	<u>SURFACE MINING, SURFACE MINING</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>PA American Ellwood</u>		
PWS Waters	<u>Connoquenessing</u>	Flow at Intake (cfs)	<u>NA</u>
PWS RMI	<u>0.01</u>	Distance from Outfall (mi)	<u>35.657</u>

Changes Since Last Permit Issuance: NA

Other Comments: No downstream impairment expected

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
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	1000	1/year	Grab

Compliance Sampling Location: Outfall 001 after disinfection

Other Comments: See AMR for UV disaffection requirements