

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0255947
APS ID 1042851
Authorization ID 1361066

Applicant, Facility and Project Information

Applicant Name	<u>Paul Pritchard</u>	Facility Name	<u>Pritchard Properties SRSTP</u>
Applicant Address	<u>606 Surrey Lane</u> <u>Lutz, FL 33549-5682</u>	Facility Address	<u>Buddtown Road</u> <u>West Newton, PA 15089</u>
Applicant Contact	<u>Paul Pritchard</u>	Facility Contact	<u>Paul Pritchard</u>
Applicant Phone	<u>(813) 409-7504</u>	Facility Phone	<u>724-651-1766</u>
Client ID	<u>363995</u>	Site ID	<u>850515</u>
SIC Code	<u>8800</u>	Municipality	<u>Rostraver Township</u>
SIC Description	<u>Private Households</u>	County	<u>Westmoreland</u>
Date Application Received	<u>June 28, 2021</u>	WQM Required	<u>yes</u>
Date Application Accepted	<u>July 14, 2021</u>	WQM App. No.	<u>6521402</u>
Project Description	<u>New NPDES permit application.</u>		


Summary of Review

The PA Department of Environmental Protection (PADEP/Department) received a new Part I NPDES and Part II WQM permit applications from Fred R. Brant (consultant) of F.R. Brant Company on behalf of Mr. Paul Pritchard (applicant) on June 28, 2021. The applications are for a proposed Small Flow Treatment Facility (SFTF/SRSTP) located in Rostraver Township, Westmoreland County with an average design flow of 400 GPD and 0.9 lbs. BOD5/day from a proposed single-family residence. The proposed discharge is into Youghiogheny River through Outfall 001.

This fact sheet is developed in accordance with 40 CFR §124.56

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
√		Reza H. Chowdhury, E.I.T. / Project Manager 	July 14, 2021
X		Pravin Patel Pravin C. Patel, P.E. / Environmental Engineer Manager	08/03/2021

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>40° 11' 56"</u>	Longitude	<u>-79° 46' 2.0"</u>
Quad Name	<u>Donora</u>	Quad Code	<u>1707</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Youghiogheny River (WWF)</u>	Stream Code	<u>37456</u>
NHD Com ID	<u>69913825</u>	RMI	<u>19.73</u>
Watershed No.	<u>19-D</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u>None</u>	Exceptions to Criteria	<u>N/A</u>
Assessment Status	<u>Not Assessed</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u></u>	Name	<u></u>

Changes Since Last Permit Issuance: None, new permit application

Other Comments:

Anti-Degradation Requirement

Chapter 93.4a(b) of the Department's rules and regulations require that "Existing instream water uses and the level of water quality necessary to protect the existing uses shall be maintained and protected." The discharge is into a stream segment designated as Warm Water Fishes (WWF). No High-Quality Waters are impacted by this discharge. No Exceptional Value Waters are impacted by this discharge.

Class A Wild Trout Streams:

No Class A Wild Trout Fishery will be impacted by this discharge.

303d Listed Streams:

The receiving stream segment is not impaired.

Compliance History	
Summary of DMRs:	None, new application
Summary of Inspections:	None, new application

Other Comments: **None**

Treatment Facility summary:

The application was submitted for a new SRSTP named Pritchard SRSTP that will be constructed in a proposed 1-acre residential lot located on Buddtown Road in West Newton, PA 15089. The proposed discharge will be into Youghiogheny River (WWF) in state watershed 19-D through Outfall 001.

The details of the proposed treatment plant will be discussed in the Internal Review & Recommendation (IR&R) that will accompany the WQM permit under WQM permit number 6521402. In summary, the proposed treatment plant will be a Singulair Bio-Kinetic Model 960-500 treatment tank, followed by a Hydro-Kinetic Bio-Film Reactor with a model AT 1500 UV disinfection system and discharge into river through Outfall 001.

Development of effluent limitations:

Flow monitoring:

Flow monitoring will be placed in this permit in accordance with DEP's SOP BCW-PMT-003 revised May 17, 2019. The reporting frequency set forth is once a year and sample type is Estimate (for SRSTP.)

Biochemical Oxygen Demand (BOD₅)

An average annual BOD₅ limit of 10 mg/l and IMAX limit of 20 mg/l will be placed in this permit. These limits are consistent with the SOP.

Total Suspended Solids (TSS)

An average annual BOD₅ limit of 10 mg/l and IMAX limit of 20 mg/l will be placed in this permit. These limits are consistent with the SOP

Fecal Coliform:

A year-round annual average and IMAX limit of 200 No./100 ml will be placed in this permit.

pH:

Daily minimum pH of 6.0 and Daily Maximum pH of 9.0 S.U. will be applied in this permit per Pa Code 25 Ch. 95.2(1).

UV:

The SOP indicates that it is not necessary to require UV intensity or transmittance monitoring in the permit for SRSTPs/SFTFs.

The Design Engineers Report accompanied with the WQM permit indicated that the proposed treatment plant can treat the wastewater to generate an effluent that will have maximum CBOD₅ of 8.0 mg/l, TSS of 7.0 mg/l, less than 200 no./100 ml of fecal coliform.

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 Daily Min	XXX	9.0 Daily Max	XXX	1/year	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: At Outfall 001

Other Comments: None