
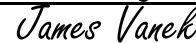



Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0255955  
APS ID 1045319  
Authorization ID 1365026

Applicant, Facility and Project Information			
Applicant Name	<u>Mark Pitchford</u>	Facility Name	<u>Pitchford Properties SRSTP</u>
Applicant Address	<u>110 Bowers Drive</u> <u>Fombell, PA 16123-2302</u>	Facility Address	<u>1141 State Rte 288</u> <u>Fombell, PA 16123</u>
Applicant Contact	<u>Mark Pitchford</u>	Facility Contact	<u>Same as Applicant</u>
Applicant Phone	<u>(412) 287-4443</u>	Facility Phone	<u>Same as Applicant</u>
Client ID	<u>364814</u>	Site ID	<u>851295</u>
SIC Code	<u>8800</u>	Municipality	<u>Franklin Township</u>
SIC Description	<u>Private Household</u>	County	<u>Beaver</u>
Date Application Received	<u>July 27, 2021</u>	WQM Required	<u>Yes</u>
Date Application Accepted		WQM App. No.	<u>0421405</u>
Project Description	<u>Application for a new NPDES permit for discharge of treated Sewage.</u>		

Approve	Deny	Signatures	Date
X		 Hazim Aldalli / Environmental Engineering Specialist	September 3, 2021
X		 James M. Vanek P.E. / Environmental Engineer Manager	
X		 Christopher Kriley, P.E. / Program Manager	

### Summary of Review

The applicant proposes to construct a 400 GPD single residence sewage treatment plant to replace a malfunctioning on-lot system at an existing single residence home in Franklin Township, Beaver County.

WQM Permit 0421405 will be issued concurrently with this NPDES Permit. The discharge is to UNT to Camp Run, which is classified as at WWF located in State Watershed 20-C.

The treatment plant that will be constructed on site consists of a Premier Tech EC7-500-C-P PACK , which contains an integrated septic tank, coco filter, DiUV disinfection unit and effluent pump. The Premier Tech treatment unit has a rated capacity of 500 GPD and is NSF Certified for the treatment of Residential Wastewater.

BOD5, TSS, and Fecal Coliform limitations were imposed based upon the Department's SOP – New and Reissuance Individual SFTF NPDES Permits. Proposed effluent limits and monitoring requirements can be found on page 4 of this document.

Technology-based effluent limits for pH will be imposed based upon State Regulation 95.2(1).

Sampling frequency for all parameters is 1/year which is consistent with the Department's SOP - New and Reissuance of SFTF Individual NPDES Permit Applications.

For SFTFs / SRSTPs with UV disinfection systems, it is not necessary to require UV intensity or transmittance monitoring in the permit.

Sewage discharges with design flows < 2,000 gpd do not require monitoring for Total Nitrogen and Total Phosphorus in new and reissued permits.

The applicant does not use eDMR and current policy does not require eDMR to be used for SRSTPs.

Act 537 Planning was approved for this project on July 21, 2021.

The Act – 14 PL 834 Municipal Notification were provided by the February 27, 2021 letters and no comments were received.

### 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.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>40° 49' 27.8"</u>	Longitude	<u>-80° 11' 12.15"</u>
Quad Name	_____	Quad Code	_____
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>UNT to Camp Run</u>	Stream Code	<u>34877</u>
NHD Com ID	<u>126223484</u>	RMI	<u>0.21</u>
Drainage Area	<u>0.3</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.006</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.0018</u>	Q <sub>7-10</sub> Basis	<u>USGS Stream Stats</u>
Elevation (ft)	<u>945</u>	Slope (ft/ft)	_____
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	_____	Existing Use Qualifier	_____
Exceptions to Use	_____	Exceptions to Criteria	_____
Assessment Status	<u>Not Assessed</u>		
Cause(s) of Impairment	_____		
Source(s) of Impairment	_____		
TMDL Status	_____	Name	_____
Background/Ambient Data		Data Source	
pH (SU)	_____	_____	
Temperature (°F)	_____	_____	
Hardness (mg/L)	_____	_____	
Other:	_____	_____	
Nearest Downstream Public Water Supply Intake	<u>PA American Water Company Ellwood City</u>		
PWS Waters	<u>Slippery Rock Creek</u>	Flow at Intake (cfs)	_____
PWS RMI	_____	Distance from Outfall (mi)	<u>12.0</u>

Changes Since Last Permit Issuance: N/A

Other Comments: New Permit Issuance. Facility is not yet constructed.

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> 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	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	200.0	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall #001

Other Comments:

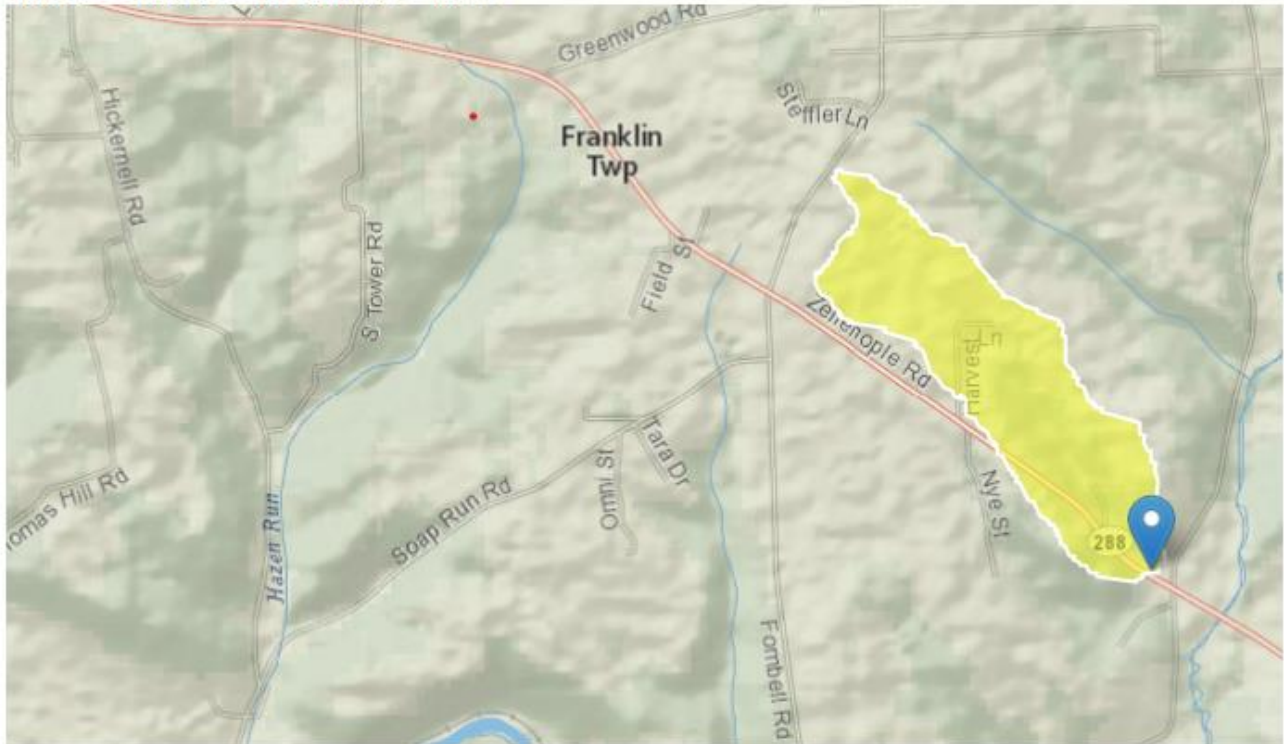
# StreamStats Report

Region ID: PA

Workspace ID: PA20210901150736211000

Clicked Point (Latitude, Longitude): 40.82432, -80.18643

Time: 2021-09-01 11:07:56 -0400



## Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.3	square miles
ELEV	Mean Basin Elevation	1136	feet

## Low-Flow Statistics Parameters [Low Flow Region 4]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.3	square miles	2.26	1400

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
ELEV	Mean Basin Elevation	1136	feet	1050	2580

Low-Flow Statistics Disclaimers [Low Flow Region 4]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors

Low-Flow Statistics Flow Report [Low Flow Region 4]

Statistic	Value	Unit
7 Day 2 Year Low Flow	0.00681	ft <sup>3</sup> /s
30 Day 2 Year Low Flow	0.0138	ft <sup>3</sup> /s
7 Day 10 Year Low Flow	0.0018	ft <sup>3</sup> /s
30 Day 10 Year Low Flow	0.00421	ft <sup>3</sup> /s
90 Day 10 Year Low Flow	0.00902	ft <sup>3</sup> /s

*Low-Flow Statistics Citations*

**Stuckey, M.H.,2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)**

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