pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southwest Regional Office
CLEAN WATER PROGRAM

Application Type	**New**	Application No.	**PA0284904**
Wastewater Type	**Sewage**	APS ID	**1065533**
Facility Type	**SRSTP**	Authorization ID	**1399872**

NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**Brian D Laraway**	Facility Name	**Laraway Properties SRSTP**
Applicant Address	4028 Route 130	Facility Address	151 Ashbaugh Road
	Irwin, PA 15642-7830		Jeannette, PA 15644-9553
Applicant Contact	Brian Laraway	Facility Contact	Brian Laraway
Applicant Phone	(412) 491-7004	Facility Phone	(412) 491-7004
Client ID	370615	Site ID	858041
SIC Code	8800	Municipality	Penn Township
SIC Description	Private Households	County	Westmoreland
Date Application Received	June 13, 2022	WQM Required	Yes
Date Application Accepted	June 23, 2022	WQM App. No.	6522403

Project Description: New NPDES permit application.

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. Brian D Laraway (applicant) on June 13, 2022. The applications are for a proposed Small Flow Treatment Facility (SFTF/SRSTP) located in Penn Township, Westmoreland County with an average design flow of 400 GPD and 0.9 lbs. BOD5/day from an existing 3-bedroom single-family residence. The proposed discharge is into an UNT to Brush Creek (TSF) 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 13, 2022
X		Pravin Patel Pravin C. Patel, P.E. / Environmental Engineer Manager	07/14/2022

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	40º 20' 47.64"	Longitude	-79º 35' 3.01"
Quad Name	Greensburg	Quad Code	1609
Wastewater Description:	Sewage Effluent		
Receiving Waters	Unnamed Tributary to Brush Creek (TSF)	Stream Code	37381
NHD Com ID	99407810	RMI	0.0900
Watershed No.	19-A	Chapter 93 Class.	TSF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status	Final, Final	Name	Brush Creek (Westmoreland),Turtle Creek Watershed
Nearest Downstream Public Water Supply Intake	PA American Water Co- Pittsburgh		
PWS Waters	Monongahela River	Flow at Intake (cfs)	
PWS RMI	4.6 mile	Distance from Outfall (mi)	33.53

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 Trout Stocking (TSF). 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 watershed (Brush Creek and Turtle Creek) has EPA approved TMDL for AMD. No WLA was proposed for point source dischargers. This permit won't be affected by the TMDL and no TMDL parameters are applicable to this facility. The discharge is not expected to add pollutants responsible for watershed impairment.

Treatment Facility summary:

The application was submitted for a new SRSTP named Laraway Property SRSTP that will be constructed to serve an existing 3-bedroom single dwelling located in 151 Ashbaugh Road in Penn Township, Westmoreland County. The proposed discharge will be into an UNT to Brush Creek (CWF) through Outfall 001. The proposed will discharge to an existing Township storm water drainpipe which will then be piped approximately 22 feet, to the tributary along Ashbaugh Road.

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 6522403. 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.

The proposed treatment technology isn't listed in the SFTF Manual, therefore, the facility doesn't qualify for coverage under general PAG04 permit.

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 (BOD_5)
An average annual BOD_5 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 BOD_5 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. However, a Part C condition will be added in the draft permit that will read "At a minimum, the UV disinfection system should be inspected and cleaned monthly and should have service inspections annually. The UV bulb shall be changed annually or as needed.. All maintenance, repair, and cleaning activities related to UV disinfection system must be reported in the AMR". The purpose of this condition is to ensure that the UV system is maintained properly and remain in operable condition.

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.

Act 537 Planning was approved under PADEP Code 65950-22-122.

Proposed Effluent Limitations and Monitoring Requirements

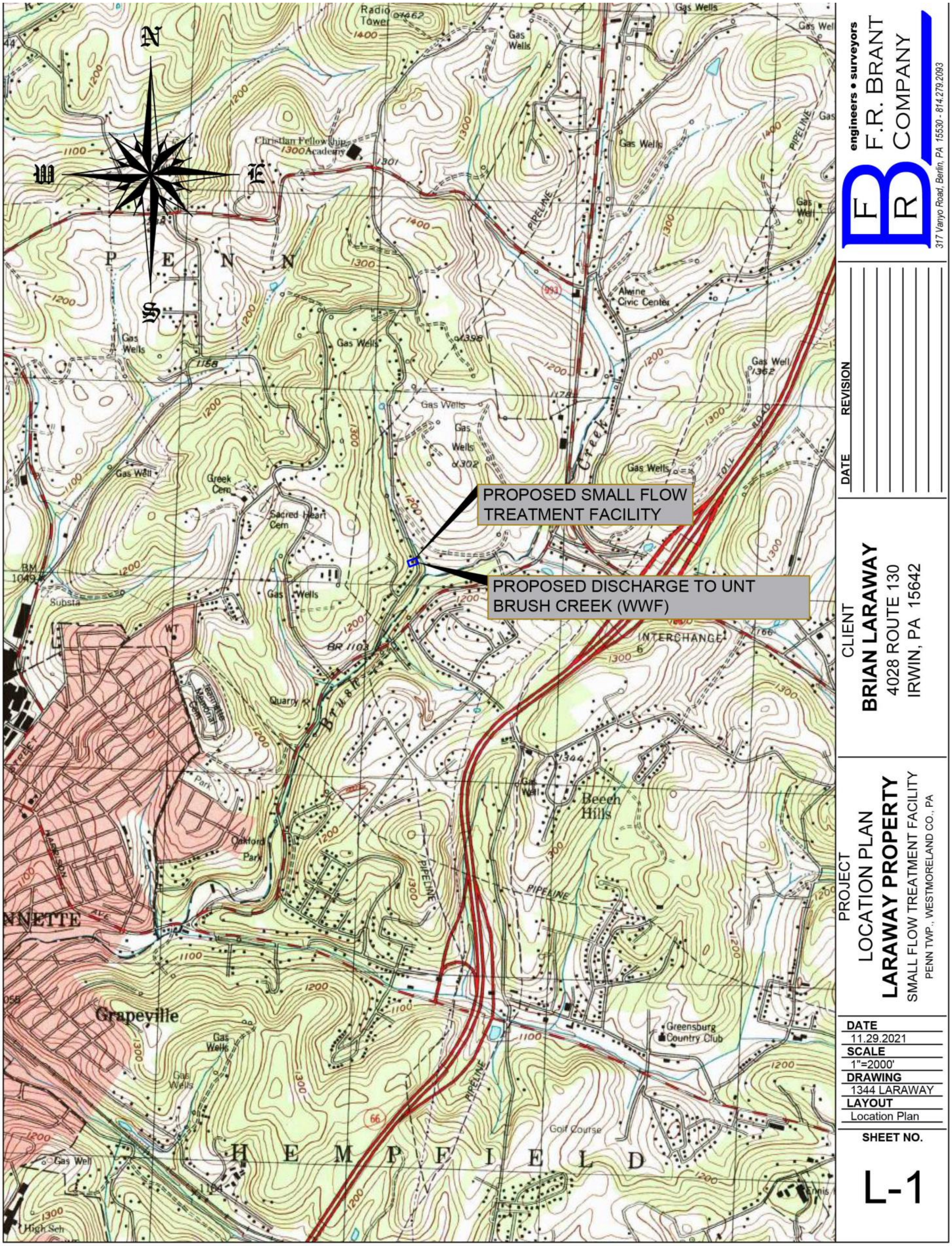
The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). 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: After last treatment unit

Other Comments: None


PROPOSED SMALL FLOW TREATMENT FACILITY
PROPOSED DISCHARGE TO UNT BRUSH CREEK (WWF)
engineers • surveyors
F.R. BRANT COMPANY
317 Vanyo Road, Berlin, PA 15530 - 814.279.2093
DATE
REVISION
CLIENT
BRIAN LARAWAY
4028 ROUTE 130
IRWIN, PA 15642
PROJECT
LOCATION PLAN
LARAWAY PROPERTY
SMALL FLOW TREATMENT FACILITY
PENN TWP., WESTMORELAND CO., PA
DATE
11.29.2021
SCALE
1"=2000'
DRAWING
1344 LARAWAY
LAYOUT
Location Plan
SHEET NO.
L-1
P E N N
H E M P F I E L D
Grapeville
Beech Hills
Greensburg Country Club
Christian Fellowship Academy
Alwine Civic Center
Brush Creek
INTERCHANGE