

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0273112
APS ID 1012236
Authorization ID 1306949

Applicant, Facility and Project Information

Applicant Name	<u>Bruce A Miller</u>	Facility Name	<u>Bruce A Miller SRSTP</u>
Applicant Address	<u>106 Albert Drive</u> <u>Prospect, PA 16052-9515</u>	Facility Address	<u>106 Albert Drive</u> <u>Prospect, PA 16052-9515</u>
Applicant Contact	<u>Bruce Miller</u>	Facility Contact	<u>Bruce Miller</u>
Applicant Phone	<u>(724) 355-8324</u>	Facility Phone	<u>(724) 355-8324</u>
Client ID	<u>319482</u>	Site ID	<u>791150</u>
SIC Code	<u>8800</u>	Municipality	<u>Lancaster Township</u>
SIC Description	<u>Private Households</u>	County	<u>Butler</u>
Date Application Received	<u>February 18, 2020</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>March 3, 2020</u>	WQM App. No.	<u>1015402 A-1</u>
Project Description	<u>Amendment to install Premier Tech coco filter system.</u>		

Summary of Review

This is a new discharge for an existing 4-bedroom home to a repair of an existing malfunctioning on-lot system.

Act 14 – Proof of Notification was submitted and received.

Proposed treatment will consist of (WQM Permit No. 1015402): A Premier Tech EC7 Coco Filter unit with external Salcor 3G Ultraviolet (UV) light disinfection unit installed along the effluent pipe.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (299780) as of 3/3/2020.

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		Jordan A. Frey, E.I.T. / Civil Engineer Trainee	
X		Justin C. Dickey, P.E. / Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0005</u>
Latitude	<u>40° 53' 13.09"</u>	Longitude	<u>-80° 07' 16.95"</u>
Quad Name	<u>Prospect</u>	Quad Code	<u>40080H1</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Little Yellow Creek (CWF)</u>	Stream Code	<u>34930</u>
NHD Com ID	<u>126217088</u>	RMI	<u>1.1100</u>
Drainage Area	<u>0.37</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.037</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1246</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>20C</u>	Chapter 93 Class.	<u>Cold Water Fishes</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>METALS</u>		
Source(s) of Impairment	<u>ACID MINE DRAINAGE</u>		
TMDL Status	<u>Final</u>	Name	<u>Little Connoquenessing Creek Watershed</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	Default	
Temperature (°F)	<u>20</u>	Default	
Hardness (mg/L)	<u>100</u>	Default	
Other:	<u>---</u>	---	
Nearest Downstream Public Water Supply Intake	<u>Harmony Borough Water Authority</u>		
PWS Waters	<u>Little Connoquenessing Creek</u>	Flow at Intake (cfs)	<u>2.0</u>
PWS RMI	<u>1.1</u>	Distance from Outfall (mi)	<u>7.13</u>

Changes Since Last Permit Issuance: The treatment system permitted on September 10, 2015 was never installed. A different treatment system is proposed as noted below. Planning was approved April 25, 2015.

Other Comments:

This SRSTP was designed where applicable in accordance with the SFTF Manual, but it does not qualify for the PAG-04 General Permit due to the use of a Premier Tech EC7-C-P Coco Filter unit. The proposed discharge is to resolve a repair of a malfunctioning on-lot system.

In accordance with the SOP, no water quality modeling was performed since this is a SRSTP.

Discharges from the SRSTP are not expected to affect the parameters of the sources of impairment.

WQM Permit No. 1015402, issued on September 10, 2015 permitted the construction and operation of sewage facilities consisting of a Norweco Singulair Green Bio-Kinetic Wastewater Treatment System Model TNT-500 followed by UV radiation disinfection. A WQM application was submitted with this NPDES Renewal Application received on February 18, 2020 to amend the proposed treatment facilities. Pending WQM Permit 1015402 A-1 proposes treatment facilities consisting of a 1500-gallon dual compartment concrete septic tank with an effluent filter followed by a Premier Tech EC7-500-C-P Coco Filter, UV disinfection, and an effluent sampling distribution box. The Premier Tech EC7 is reportedly capable of meeting CBOD5 averages of 10 mg/l and TSS averages of 10 mg/l.

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.

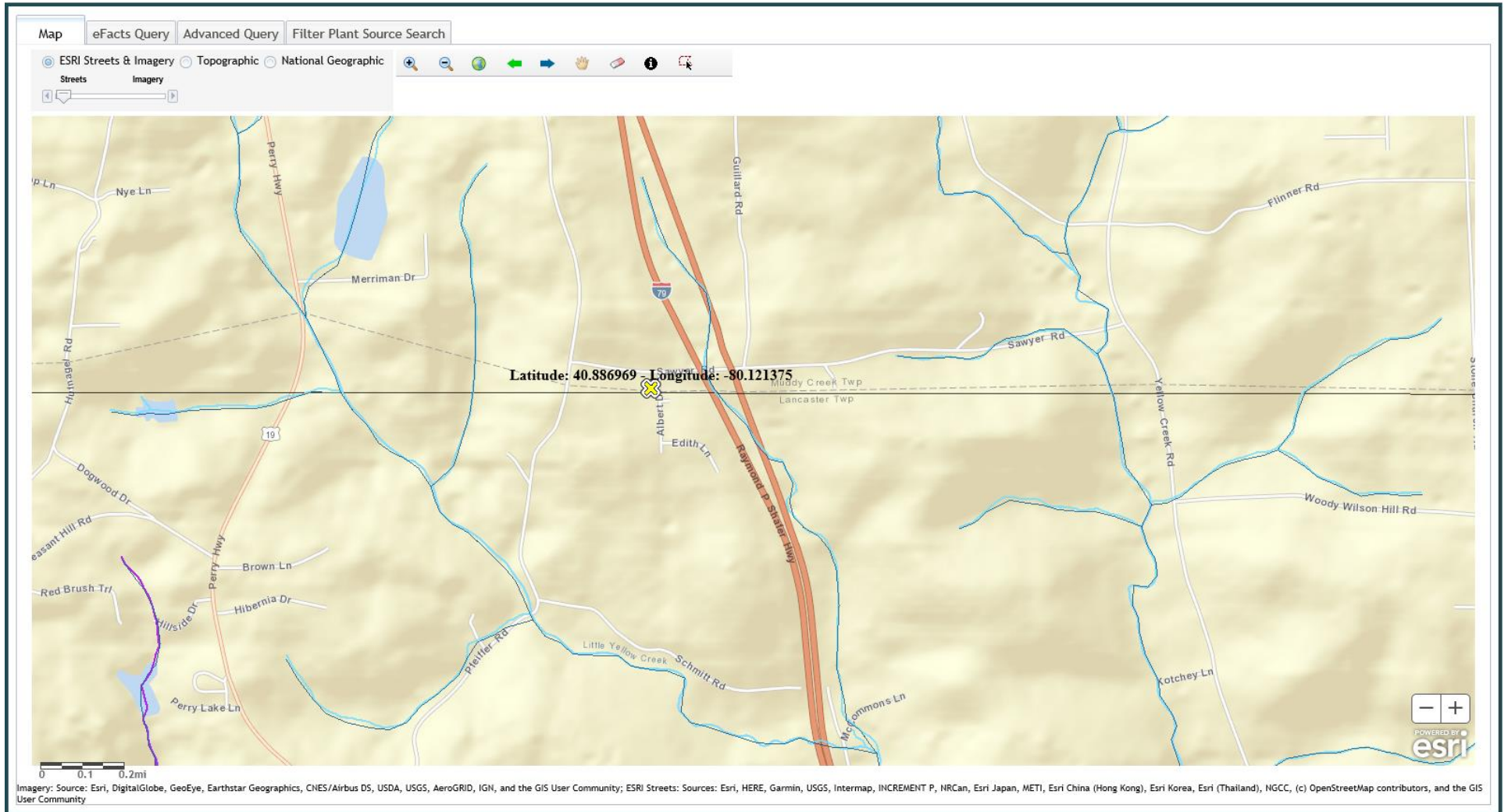
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Upon Request	Grab
CBOD5	XXX	XXX	XXX	10	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10	XXX	20	1/year	Grab
Fecal Coliform (CFU/100 ml)	XXX	XXX	XXX	200 Geo Mean	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, and Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

Attachment 1
eMap – Location Map / Receiving Stream Designation



Attachment 2
Google Earth Imagery

