pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southeast Regional Office
CLEAN WATER PROGRAM

Application Type	**New**	Application No.	**PA0245381**
Wastewater Type	**Sewage**	APS ID	**1059162**
Facility Type	**SRSTP**	Authorization ID	**1389057**

NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**Stephen And Caroline Grasso**	Facility Name	**370 Balligomingo Rd SFTF**
Applicant Address	694 W Beidler Road	Facility Address	370 Balligomingo Road
	King Of Prussia, PA 19406-1422		Conshohocken, PA 19428-2608
Applicant Contact	Stephen Grasso	Facility Contact	
Applicant Phone	(484) 530-1270	Facility Phone	
Client ID	368829	Site ID	848219
SIC Code	8800	Municipality	Upper Merion Township
SIC Description	Private Households	County	Montgomery
Date Application Received	March 8, 2022	WQM Required	
Date Application Accepted		WQM App. No.	

Project Description: New SRSTP Permit

Summary of Review

The applicant requests approval for NPDES Permit to discharge treated sewage from a small flow package treatment plant serving 3-bedroom single residence on 0.46 acres, located at 370 Balligomingo Road, Upper Merion Township, Montgomery County, PA. This system is to replace a failing on-lot system.

The cesspool is situated between the house and Balligomingo Road right of way. Much of the property between the dwelling and Gulph Creek is mapped Zone A Flood hazard. Access to this section of the property is extremely difficult due to severe slopes adjacent to Balligomingo Road. Therefore, applicant desires to find a solution to the existing failed cesspool by constructing a single-family stream discharge system.

The treatment plant will consist of a 1000- gallon dual chamber septic tank, followed by an Aqua Ecoflo Coco Biofilter (Series EC&) treatment system with a return line for UV disinfection.

This project will generate 400 gallons of sewage per day to be treated by SFTF with a discharge to Gulph Creek.

The design of the treatment doesn't comply with Small Flow Treatment Facilities Manual (Technical Guidance Number 362-0300-002) because of the use of Ecoflo Coco Biofilter, therefore, this facility doesn't qualify for coverage under general permit (WQG01) and required to submit an Individual WQM permit application. The Design Engineer's Report stated that the proposed treatment plant will be able to meet the effluent limitations applicable to Individual Single Residence Sewage Treatment Plants.

Act 537 Planning was approved on November 9, 2021 under DEP CODE No. 1-46955-436-3s. Permit may be issued.

Approve	Deny	Signatures	Date
x		*Vasantha* Vasantha Palakurti / Environmental Engineering Specialist	April 15, 2022
		Pravin C. Patel, P.E. / Environmental Engineer Manager	

Summary of Review
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 and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.0004
Latitude	40Âº 9' 21.92"	Longitude	-75Âº 19' 52.53"
Quad Name		Quad Code	
Wastewater Description:	Sewage Effluent		
Receiving Waters	Unnamed Tributary to Gulph Creek (TSF, MF)	Stream Code	00934
NHD Com ID	25979234	RMI	0.1700
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	3-F	Chapter 93 Class.	TSF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	CAUSE UNKNOWN, FLOW REGIME MODIFICATION, FLOW REGIME MODIFICATION, FLOW REGIME MODIFICATION, SILTATION, SILTATION, SILTATION		
Source(s) of Impairment	HABITAT MODIFICATION - OTHER THAN HYDROMODIFICATION, HABITAT MODIFICATION - OTHER THAN HYDROMODIFICATION, HIGHWAY/ROAD/BRIDGE RUNOFF (NON-CONSTRUCTION RELATED), HIGHWAY/ROAD/BRIDGE RUNOFF (NON-CONSTRUCTION RELATED), REMOVAL OF RIPARIAN VEGETATION, REMOVAL OF RIPARIAN VEGETATION, RURAL (RESIDENTIAL AREAS)		
TMDL Status	**None**	Name	

Other Comments: New Permit

Development of Effluent Limits:

Flow, BOD5, TSS and Fecal Coliform:
Limits for above mentioned parameters are derived from Standard Operating Procedure for New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications (SOP No. BCW-PMT-003). Minimum measuring frequency for all permit parameters will be required once per year in accordance with the SOP.

pH:
pH (6 – 9 STD units) is added to the permit.

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 (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9	1/year	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab
UV Intensity (mW/cm²)	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab