



Application Type

Renewal

Facility Type

Non-Municipal

Major / Minor

Minor

Application No.

PA0245232

APS ID

1139873

Authorization ID

1531424

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Applicant and Facility Information

Applicant Name	George Short	Facility Name	George Short SRSTP
Applicant Address	1176 Timber Lane	Facility Address	1176 Timber Lane
	Chalfont, PA 18914-3451		Chalfont, PA 18914-3451
Applicant Contact	George Short	Facility Contact	George Short
Applicant Phone	(215) 343-6724	Facility Phone	(215) 343-6724
Client ID	359313	Site ID	842480
Ch 94 Load Status	Not Overloaded	Municipality	Warrington Township
Connection Status	No Limitations	County	Bucks
Date Application Received	June 16, 2025	EPA Waived?	Yes
Date Application Accepted		If No, Reason	
Purpose of Application	Permit Renewal		

Summary of Review

Applicant requests renewal of an NPDES permit to discharge treated sewage from George Short SRSTP to Unnamed Tributary to Mill Creek.

The site is an existing three-bedroom single-family residence on a 0.98 acres land previously served by an on-lot sewage disposal system.

The current treatment plant consists of 1500 gal 2-compartment septic tank with Polylok filter, followed by 276-gal lift pump tank, Premier Tech Aqua Ecoflo Biofilter Tank (EC7-500 series), Norweco AT 1500 UV disinfection unit, 4" Sch 40 PVC delivery pipe to riprap outfall at bank tributary.

The system has enough capacity to handle 400 GPD. The design for this facility is not in compliance with DEP's Small Flow Treatment Facilities Manual (Technical Guidance Number 362-0300-002) because of the use of biofilter, therefore, this facility doesn't qualify for coverage under general permit (PAG04.) The original permit was issued on 3/26/2021 for this system as an Individual NPDES permit.

No comments received from Operations Section.

Approve	Deny	Signatures	Date
X		<i>Sara Abraham</i> Sara Reji Abraham, E.I.T. / Project Manager	June 25, 2025
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	06/25/2025

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.

Act 14 notifications:

Warrington Township - May 23, 2025
Bucks County - May 23, 2025

Permit Conditions:

- A. AMR to DEP
- B. DMR to DEP
- C. Septage and Scum Measurement
- D. Septic Tank Pumping
- E. Chlorine Optimization
- F. No Stormwater
- G. Acquire Necessary Property Rights
- H. Proper Sludge Disposal
- I. Abandon STP when Municipal Sewers Available
- J. UV System Cleaning

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.0004
Latitude	40° 16' 9.38"	Longitude	-75° 10' 22.47"
Quad Name	Doylestown	Quad Code	1644
Wastewater Description:		Treated Sewage Effluent	
Receiving Waters	Unnamed Tributary to Mill Creek (TSF, MF)	Stream Code	02757
NHD Com ID	25479128	RMI	0.2700
Drainage Area	0.0378		StreamStats (from previous fact sheet)
Q ₇₋₁₀ Flow (cfs)	0.000337*	Q ₇₋₁₀ Basis	Chapter 93 Class.
Watershed No.	2-F		TSF, MF
Assessment Status	Attaining Use(s)		
TMDL Status	Final	Name	Neshaminy Creek

Changes Since Last Permit Issuance: None

* Q₇₋₁₀ to Q_d ratio is less than 3:1 and dry stream guidance is applicable. However, the facility is an SRSTP and an existing discharge, it is not necessary to apply the dry stream standard at this renewal.

Treatment Facility Summary				
Treatment Facility Name: George Short SRSTP				
WQM Permit No.	Issuance Date			
0920406	3/28/2021			
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Primary	Septic Tank	Ultraviolet	0.0004
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
		Not Overloaded		

Changes Since Last Permit Issuance: None

Development of Effluent Limitations			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	40° 16' 9.00"	Longitude	-75° 10' 23.00"
Wastewater Description:	Treated Sewage Effluent		

The existing limits 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 is required once per year in accordance with the SOP.

The following limits are recommended for the draft permit:

Parameter	Limit (mg/l)	SBC	Basis
CBOD5	10	Avg Annual	SOP
	20	Imax	
TSS	10	Avg Annual	
	20	Imax	
Fecal Coliform	200	Avg Annual	
Flow	Report		
TRC *			
Total Phosphorus	Report		**
pH	6.0 to 9.0 Std Units		Chapter 93

* UV system is for disinfection therefore no TRC limit is required. For SRSTPs, UV intensity /transmittance monitoring is not required to be included in the permit. Current monitoring for UV intensity is eliminated from the permit. A Part C condition requiring UV surface cleaning is included.

**Due to the Neshaminy Creek TMDL, Phosphorus was included in the permit when it was originally issued in 2021.

***BOD5 limit was included inadvertently in the original permit. More appropriate parameter, CBOD5 is included in the permit at this issuance.

pH limit is also included in the draft permit. This is a new parameter in 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" (386-0400-001), 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	Instant. 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	XXX	XXX	9.0	1/year	Grab
CBOD5	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
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab



Pennsylvania
Department of
Environmental Protection