

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0244716
APS ID 1094180
Authorization ID 1449775

Applicant, Facility and Project Information

Applicant Name	<u>Anthony P & Susan Laurento</u>	Facility Name	<u>Laurento SRSTP</u>
Applicant Address	<u>1117 Nobb Hill Drive</u> <u>West Chester, PA 19380-1884</u>	Facility Address	<u>1117 Nobb Hill Drive</u> <u>West Chester, PA 19380-1884</u>
Applicant Contact	<u>Anthony Laurento</u>	Facility Contact	<u>Anthony Laurento</u>
Applicant Phone	<u>(484) 319-5094</u>	Facility Phone	<u>(484) 319-5094</u>
Client ID	<u>192022</u>	Site ID	<u>237856</u>
SIC Code	<u>8811</u>	Municipality	<u>East Bradford Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Chester</u>
Date Application Received	<u>June 29, 2023</u>	WQM Required	<u></u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>.Permit renewal</u>		

Summary of Review

The applicant is requesting a renewal for the septic system consists of the treatment tank; primary compartment and aerobic tank, sand filtering dosing pump, sand filter, chlorine contact/holding tank, and discharge site. Chlorine is being used as the type of disinfection.

There are no changes in the flow, stream designation, and influent quality, however total nitrogen and total phosphorus effluent limitations are being added to the new permit as the watershed is part of the Christina River Basin TMDL.

Per Total Maximum Daily Loads of Nutrients and Dissolved Oxygen Under Low-Flow Conditions In the Christina River Basin, Pennsylvania, Delaware and Maryland document, the original permit PA0056618 had the following effluent limitations

Flow	0.0005 mgd
CBOD5	25.00 mg/L
NH3-N	30.00 mg/L
TN	40.00 mg/L
TP	10.00 mg/L
DO	6.00 mg/L
CBOD5	0.104 lb/day
NH3-N	0.125 lb/day
TN	0.167 lb/day
TP	0.042 lb/day
DO	0.025 lb/day

Approve	Deny	Signatures	Date
X		<i>Charley Yang</i> Charley Yang / Environmental Engineering Specialist	January 25, 2024
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	01/25/2024

Summary of Review

NPDES permit No. PA0056618 was issued in 1995 to serve the residences of Mr. John & Barbara Krupinskil at the same home located at 117 Nobb Hill Drive, West Chester, PA. This same permit was reissued to the new owners Mr. David & Jeanette Cornwell on October 23, 2001. The permit was not reissued as required by law 5 years later in 2006. As a result, the Department terminated the permit on September 30, 2014. The new owners Mr. Anthony & Susan Laurento submitted a permit application on January 2, 2015 and PA0244716 was issued on May 20, 2015.

The receiving stream(s), Unnamed Tributary to Broad Run, is located in State Water Plan watershed 3-H and is classified for High Quality Waters - Cold Water Fishes and, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

There are pending violations on the site due to failure to submit AMR and failure to renew the permit.

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.	<u>001</u>	Design Flow (MGD)	<u>.0005</u>
Latitude	<u>39° 59' 24.32"</u>	Longitude	<u>-75° 38' 34.79"</u>
Quad Name	_____	Quad Code	_____
Wastewater Description:	<u>Sewage Effluent</u>		
Receiving Waters	<u>Unnamed Tributary to Broad Run (HQ-CWF, MF)</u>	Stream Code	<u>02259</u>
NHD Com ID	<u>26106360</u>	RMI	<u>040</u>
Drainage Area	_____	Yield (cfs/mi ²)	_____
Q ₇₋₁₀ Flow (cfs)	_____	Q ₇₋₁₀ Basis	_____
Elevation (ft)	_____	Slope (ft/ft)	_____
Watershed No.	<u>3-H</u>	Chapter 93 Class.	<u>HQ-CWF, MF</u>
Existing Use	_____	Existing Use Qualifier	_____
Exceptions to Use	_____	Exceptions to Criteria	_____
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>FLOW REGIME MODIFICATION, SILTATION</u>		
Source(s) of Impairment	<u>URBAN RUNOFF/STORM SEWERS, URBAN RUNOFF/STORM SEWERS</u>		
TMDL Status	<u>Final</u>	Name	<u>Christina River Basin</u>
Background/Ambient Data	Data Source		
pH (SU)	_____	_____	
Temperature (°F)	_____	_____	
Hardness (mg/L)	_____	_____	
Other:	_____	_____	
Nearest Downstream Public Water Supply Intake	_____		
PWS Waters	_____	Flow at Intake (cfs)	_____
PWS RMI	_____	Distance from Outfall (mi)	_____

Changes Since Last Permit Issuance:

Other Comments:

Compliance History	
Summary of DMRs:	failure to submit AMR
Summary of Inspections:	failure to submit AMR and failure to renew the permit

Other Comments:

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 Inst Min	XXX	XXX	9.0	1/year	Grab
DO	XXX	XXX	3.0 Inst Min	XXX	XXX	XXX	1/year	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.25	1/year	Grab
CBOD5	XXX	XXX	XXX	10.00	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
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	4.5	XXX	9	1/year	Grab
Ammonia May 1 - Oct 31	XXX	XXX	XXX	1.5	XXX	3	1/year	Grab
Total Nitrogen	XXX	XXX	XXX	40.0	XXX	XXX	1/year	Grab
Total Phosphorus	XXX	XXX	XXX	10.0	XXX	XXX	1/year	Grab

Compliance Sampling Location:

Other Comments: