

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0244490
APS ID 1100722
Authorization ID 1461464

Applicant, Facility and Project Information

Applicant Name	<u>Patrick Reilly & Paula Holzman</u>	Facility Name	<u>Reilly Holzman Res SRSTP</u>
Applicant Address	<u>171 Creamery Road</u> <u>Coatesville, PA 19320-1716</u>	Facility Address	<u>171 Creamery Road</u> <u>Coatesville, PA 19320-1716</u>
Applicant Contact	<u>Patrick Reilly</u>	Facility Contact	<u>Patrick Reilly</u>
Applicant Phone	<u>(717) 201-2000</u>	Facility Phone	<u>(717) 201-2000</u>
Client ID	<u>322785</u>	Site ID	<u>712232</u>
SIC Code	<u>8811</u>	Municipality	<u>West Caln Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Chester</u>
Date Application Received	<u>November 1, 2023</u>	WQM Required	<u></u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>Renewal</u>		

Summary of Review

The applicant applied for renewal of a National Pollutant Discharge Elimination system (NPDES) permit to discharge treated wastewater from a single residence sewage treatment plant to Unnamed Tributary to West Branch Brandywine Creek. The discharging stream is a High-Quality stream with Cold Water and Migratory Fish.

The facility is built and active. Based on the current and previous application description the facility consists a dual chambered 1500-gal septic tank, Zabel A-100 filter, 1250-gal single septic tank, Recirculating sub-surface sand filter, D-box, UV disinfectant, air compressor to provide 5 mg/l DO, 5-foot round Ultraviolet SALCOR 3G disinfection and lift pump tank.

According to the permit requirement in Part C, the permittee got the septic tank cleaned in June 2023.

There is no process change since last permit issuance, therefore the limits have been rolled over to the current renewal.

The Christina River Basin total maximum daily load (TMDL) for nutrients and dissolved oxygen for low-flow conditions, issued by the Environmental Protection Agency (EPA) in January 2001, and revised in October 2002 and September 2006, does not include this facility. There is no WLA for this facility, therefore TMDL are not applicable for this discharge.

Act 14 Notices were submitted as required.

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

Approve	Deny	Signatures	Date
x		<i>Vasantha</i> Vasantha Palakurti / Environmental Engineering Specialist	November 20, 2023
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	11/22/2023

Summary of Review

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>40° 0' 59.43"</u>	Longitude	<u>-75° 52' 13.13"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to West Branch Brandywine Creek (HQ-CWF, MF)</u>	Stream Code	<u>00215</u>
NHD Com ID	<u>26105686</u>	RMI	<u>1.3</u>
Drainage Area	<u></u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u></u>	Q ₇₋₁₀ Basis	<u></u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>3-H</u>	Chapter 93 Class.	<u>HQ-CWF, MF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Attaining Use(s)</u>		
TMDL Status	<u>Final</u>	Name	<u>Christina River Basin*</u>

Changes Since Last Permit Issuance: no changes since last renewal

* The Christina River Basin total maximum daily load (TMDL) for nutrients and dissolved oxygen for low-flow conditions, issued by the Environmental Protection Agency (EPA) in January 2001, and revised in October 2002 and September 2006, does not include this facility. There is no WLA for this facility, therefore TMDL are not applicable for this discharge.

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	1/year	Grab
DO	XXX	XXX	6.0 Inst Min	XXX	XXX	XXX	1/year	Grab
CBOD5	XXX	XXX	XXX	20	XXX	40	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
Ammonia	XXX	XXX	XXX	9.0	XXX	18	1/year	Grab