

Application Type	<u>New (see comment below)</u>	<b>NPDES / WQM PERMITS FACT SHEET INDIVIDUAL SFTF/SRSTP</b>	Application No.	<u>PA0246999 2802402 T-3</u>
Wastewater Type	<u>Sewage</u>		APS ID	<u>1032465 1343625 (NPDES) 1343476 (WQM)</u>
Facility Type	<u>SRSTP</u>		Authorization ID	<u>1343476 (WQM)</u>

**Applicant, Facility and Project Information**

Applicant Name	<u>LaGena Hayes (Estates of Donald Hayes)</u>	Facility Name	<u>Hayes SRSTP</u>
Applicant Address	<u>7886 Lincoln Way West Saint Thomas, PA 17252</u>	Facility Address	<u>7886 Lincoln Way West Saint Thomas, PA 17252</u>
Applicant Contact	<u>LaGena Hayes</u>	Facility Contact	<u>LaGena Hayes</u>
Applicant Phone	<u>(803) 352-0731</u>	Facility Phone	<u>(803) 352-0731</u>
Client ID	<u>361080</u>	Site ID	<u>557627</u>
SIC Code	<u>8800</u>	Municipality	<u>Saint Thomas Township</u>
SIC Description	<u>Private Households</u>	County	<u>Franklin</u>
Date Application Received	<u>February 17, 2021</u>	WQM Required	<u>See comments below</u>
Date Application Accepted	<u>March 2, 2021</u>	WQM App. No.	<u>2802402</u>
Project Description	<u>See comments below.</u>		

**Summary of Review**

This fact sheet supports the issuance of new NPDES permit and WQM permit transfer for discharge of treated sewage from the single residence sewage treatment plant (SRSTP) located in Saint Thomas Township, Franklin County. DEP originally issued an NPDES permit for this SRSTP on December 24, 2002 and renewed twice in 2006 and 2011. Since then, no renewal application was received and the permit expired in 2016. Also, since the last renewal, there has been a change in ownership from Mr. David Marshall to Ms. LaGena Hayes. As a result, DEP requested a new NPDES permit application while keeping the existing NPDES permit number. As the SRSTP is still in operational, no new WQM permit is needed; however, a WQM permit needs to be transferred. DEP has decided to process these permit authorizations simultaneously.

Based on the review outlined in this fact sheet, it is recommended that the NPDES permit be drafted. Also, it is recommended that the WQM permit be transferred upon issuance of the NPDES permit.

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		<i>Jinsu Kim</i> Jinsu Kim / Environmental Engineering Specialist	April 1, 2021
		Daniel W. Martin, P.E. / Environmental Engineer Manager	
X		/s/ Maria D. Bebenek, P.E. / Program Manager	April 8, 2021

**Discharge, Receiving Waters and Water Supply Information**

Outfall No.	001	Design Flow (MGD)	.0004
Latitude	39°54'52"	Longitude	-77°48'15"
Quad Name	Newburg	Quad Code	
Wastewater Description:	Sewage Effluent		
Receiving Waters	UNT to Campbell Run (CWF)	Stream Code	59938
NHD Com ID	49485508	RMI	0.1
Drainage Area	0.3 sq.mi	Yield (cfs/mi <sup>2</sup> )	
Q <sub>7-10</sub> Flow (cfs)	0.00924	Q <sub>7-10</sub> Basis	USGS StreamStats
Elevation (ft)		Slope (ft/ft)	
Watershed No.	7-B	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	PA-MD Border		
PWS Waters	Conococheague Creek	Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	22

**Drainage Area / Streamflow**

The discharge is to an unnamed tributary to Campbell Run at RM 0.1. A drainage area upstream of the discharge point is estimated to be 0.3 sq.mi. according to USGS StreamStats available at <https://streamstats.usgs.gov/ss/>. USGS StreamStats also produced a Q7-10 flow of 0.00924 cfs at the point of proposed discharge.

**Unnamed Tributary of Campbell Run**

25 Pa Code Chapter 93.9z lists the entire basin of Campbell Run as cold water and migratory fishes. No special protection water is therefore impacted by this discharge. DEP's 2020 integrated water quality report indicates that the discharge is located in a stream segment listed as attaining uses.

**Public Water Supply Intake**

According to DEP's eMapPA available at <http://www.depgis.state.pa.us/emappa/>, the nearest downstream public water supply intake is PA-MD Border located on Conococheague Creek, approximately 22 miles from the discharge point. Given the nature and distance, the proposed discharge is not expected to impact the water supply.

**Treatment Facility Summary**

The facility serves a single family residence (400 GPD) located at 7886 Lincoln Way West Saint Thomas, PA 17252. The WQM permit no. 2802402 originally issued in 2002 covers the construction/operation of the treatment system consisting of an aerobic treatment system (Micro SepTec Envrosolver) with a sand filter and UV disinfection unit. The design rates are 0.0004 MGD (annual average) and 0.0006 MGD (hydraulic design capacity) with 0.8 lbs BOD/day organic design capacity.

**Compliance History**

No files including AMRs are available for a review at this time. During a phone call on March 30, 2021, DEP has informed the new owner to submit AMRs once the permit is issued under the new owner's name. The permittee (previous or new owner) did not submit the renewal application in a timely manner, resulting DEP to send a compliance notice on December 23, 2020. There are no open violation associated with this permit.

**Development of Effluent Limitations and Monitoring Requirements**

The effluent limitations and monitoring requirements are derived from DEP's Standard Operating Procedure (SOP) for New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications (SOP No. BPNPSM-PMT-003).

The draft permit will include the following Part C conditions:

- a. Small Flow Treatment Facility Maintenance, including measurement of the depth of septage and scum, 5-year septic tank pumping requirement, reporting requirement of a completed Annual Maintenance Form.
- b. Stormwater Prohibition
- c. Property Rights
- d. Proper Disposal of Solids

**Class A Wild Trout Fishery**

The Class A Wild Trout Fishery will be not be impacted by the 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) and/or BPJ.

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

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Annual Average	Daily Maximum	Minimum	Annual Average	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
BOD5	XXX	XXX	XXX	10	XXX	20	1/year	Grab
Total Suspended Solids	XXX	XXX	XXX	10	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/year	Grab