

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0275751 A-1
APS ID 1012886
Authorization ID 1308145

Applicant, Facility and Project Information

Applicant Name	<u>Dennis B. Hassler</u>	Facility Name	<u>Hassler Treatment Plant</u>
Applicant Address	<u>6936 Mountain Road</u> <u>Macungie, PA 18062-9398</u>	Facility Address	<u>6936 Mountain Road</u> <u>Macungie, PA 18062-9398</u>
Applicant Contact	<u>Dennis B. Hassler, Owner</u>	Facility Contact	<u>Dennis B. Hassler, Owner</u>
Applicant Phone	<u>(610) 334-9594</u>	Facility Phone	<u>(610) 334-9594</u>
Client ID	<u>285951</u>	Site ID	<u>791173</u>
SIC Code	<u>8811</u>	Municipality	<u>Lower Macungie Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Lehigh</u>
Date Application Received	<u>February 26, 2020</u>	WQM Required	<u>Existing – Will be Transferred with Final Permit</u>
Date Application Accepted	<u>November 19, 2020</u>	WQM App. No.	<u>WQG012229T-1</u>
Project Description	<u>Renewal and Transfer of existing NPDES permit for discharge of treated sewage from a SRSTP.</u>		

Summary of Review

The applicant is requesting the renewal and transfer of an NPDES permit for a single residence sewage treatment plant (SRSTP) for a discharge of up to 400 GPD of treated sewage into an Unnamed Tributary to Swabia Creek, a High Quality, Cold-Water Fishery, Migratory Fish (HQ – CWF, MF) receiving stream in State Water Plan watershed 2-C (Lower Lehigh River). The Internal Review and Recommendations sheet for the original WQM permit states the facility actually discharges to a culverted intermittent stream before reaching the unnamed tributary. A licensed Professional Geologist from the Clean Water Program verified the discharge would not be an issue with the surficial geology in the area.

As per the Department's current existing use list, the receiving stream does not have an existing use classification that is more protective than the designated use. This stream segment is not designated as a naturally reproducing trout stream as per PA Fish & Boat Commission. This discharge is not expected to affect public water supplies.

All limits and monitoring frequencies have been carried over from the previous permit. As stated in the previous fact sheet, the limitations for BOD₅, TSS, and fecal coliform were established in accordance with document BPNPSM-PMT-003 and are more stringent than the Antidegradation Best Available Combination of Technologies (ABACT) limits for facilities with average flows < 2,000 GPD. ABACT seasonal limits for NH₃-N were also included in the previous permit. The previous WQM 7.0 model recommended a dissolved oxygen minimum of 3.0 mg/L and is included in the permit. Water quality modeling did not recommend more stringent limits.

A note has been added under the Part A effluent limitation table requiring at least one sample for Fecal Coliform to be taken between June 1 and August 31 each year.

Monitoring requirements for Total Residual Chlorine (TRC) are not included in the permit since the treatment facility utilizes ultraviolet light for disinfection. Part C.I.E. of this permit requires the permittee to monitor TRC concentrations in the event the permittee uses chlorine for backup disinfection or cleaning purposes.

Approve	Deny	Signatures	Date
X		/s/ Allison Seyfried / Environmental Engineering Specialist	November 24, 2020
X		/s/ Amy M. Bellanca, P.E. / Environmental Engineer Manager	12-9-20

Summary of Review

This NPDES permit and WQM Permit WQ012229 are being transferred from Emily Eckhart (Client ID 319757) to Dennis Hassler (Client ID 285951). WQM Permit WQG012229 will be transferred in conjunction with issuance of the final NPDES permit.

An "A-1" notation has been added after the NPDES permit number and a "T-1" notation will be added after the WQM permit number to represent the number of transfers since the original permits were issued.

The Annual Maintenance Report (AMR) that's to be issued with the final permit shall be used to record the monitoring results. Discharge Monitoring Reports (DMRs) will not be sent with the final permit.

The existing permit expired on July 31, 2020 and the application for renewal was not received on time. A letter from Dennis Hassler (Owner) included with the renewal application indicated he purchased the home in October 2015 and was unaware there was a permit for the sewage system that required sampling. An administrative deficiency letter for the permit application was issued via email on March 10, 2020 requesting various missing information. All the missing information was not received from Mr. Hassler until November 17, 2020.

A Water Management System Inspection query indicated that on July 27, 2017 a Compliance Evaluation was performed.

There are no open violations for this client that warrant withholding issuance of this 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, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>40° 30' 20.89"</u>	Longitude	<u>-75° 33' 56.13"</u>
Quad Name	<u>Allentown West</u>	Quad Code	<u>1441</u>
Wastewater Description:	<u>Sewage Effluent</u>		
Receiving Waters	<u>Unnamed Tributary to Swabia Creek (HQ-CWF, MF)</u>	Stream Code	<u>3583</u>
NHD Com ID	<u>26295663</u>	RMI	<u>0.724</u>
Drainage Area	<u>0.0627 mi²</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.0063</u>	Q ₇₋₁₀ Basis	<u>State-wide default</u>
Elevation (ft)	<u>526</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>2-C</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>Impaired</u>		
Cause(s) of Impairment	<u>PATHOGENS</u>		
Source(s) of Impairment	<u>SOURCE UNKNOWN</u>		
TMDL Status	<u>-</u>	Name	<u>-</u>
Nearest Downstream Public Water Supply Intake	<u>LCA Allentown City Water System</u>		
PWS Waters	<u>Little Lehigh Creek</u>	Flow at Intake (cfs)	<u>-</u>
PWS RMI	<u>2</u>	Distance from Outfall (mi)	<u>~12.8</u>