

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0281761
APS ID 1029767
Authorization ID 1363260

Applicant, Facility and Project Information

Applicant Name	<u>Michael A Gotwalt</u>	Facility Name	<u>Michael A & Nancy J Gotwalt SRSTP</u>
Applicant Address	<u>1308 Carl Park Lane</u> <u>Vero Beach, FL 32963</u>	Facility Address	<u>115 Church Road</u> <u>Lewisberry, PA 17339-9607</u>
Applicant Contact	<u>Michael Gotwalt</u>	Facility Contact	<u>Michael Gotwalt</u>
Applicant Phone	<u>(717) 856-0252</u>	Facility Phone	<u>(717) 856-0252</u>
Client ID	<u>360285</u>	Site ID	<u>845163</u>
SIC Code	<u>4952</u>	Municipality	<u>Warrington Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>York</u>
Date Application Received	<u>July 27, 2021</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>August 11, 2021</u>	WQM App. No.	<u>6721402</u>
Project Description	<u>New Single Residence Treatment Plant</u>		

Summary of Review

The applications for new NPDES and WQM permits were submitted for a new single residence treatment plant that is proposed to serve an existing residence with a malfunctioning on-lot sewage disposal system. This proposed facility will be located in Washington Township, York County.

DEP has prepared this report for the applications for both NPDES and WQM permits. Based on the review outlined in this report, it is recommended that the NPDES permit be drafted and published in the *Pennsylvania Bulletin* for public comments for 30 days.

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.

Approve	Deny	Signatures	Date
x		Aaron Baar Aaron Baar / Permits Section	October 7, 2021
		Daniel W. Martin, P.E. / Environmental Engineer Manager	

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>.0004</u>
Latitude	<u>40° 6' 16.20"</u>	Longitude	<u>-76° 52' 19.90"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Beaver Creek (WWF, MF)</u>	Stream Code	<u>08532</u>
NHD Com ID	<u>57464745</u>	RMI	<u>0.3100</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>7-F</u>	Chapter 93 Class.	<u>WWF, 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>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u></u>	Name	<u></u>
Nearest Downstream Public Water Supply Intake	<u>YMCA Camp Cann Edi</u>		
PWS Waters	<u>Conewago Creek</u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u></u>	Distance from Outfall (mi)	<u>9.47 miles</u>

Changes Since Last Permit Issuance: None (new permit)

Other Comments: The discharge will be to an unnamed perennial waterway tributary to Beaver Creek. The UNT is currently attaining its designated use. The new discharge is not expected to create an impairment.

The nearest downstream public water supply intake is at the YMCA Camp located 9.47 miles downstream on the Conewago Creek. The proposed discharge is not expected to affect the water supply.

Treatment Facility Summary

The proposed sewage treatment plant will serve an existing single-family house (400 GPD) located at 115 Church Road, Lewisberry, PA. The plant will be operated and owned by Michael and Nancy Gotwalt. The treatment system, per the application, will be as follows:

Single family home → Norweco Singular Green 960 (500 gpd) → Norweco Hydro-Kinetic Bio-Film Reactor → Norweco AT-1500 UV Disinfection → outfall to unnamed tributary to Beaver Creek

The Norweco Hydro-Kinetic Bio-Film Reactor is certified NSF Standard 40. The proposed UV disinfection will be able to provide an effluent fecal coliform concentration less than or equal to 200 cfu/100 ml.

Based on the review of proposed designs and specifications, it is recommended that the WQM Permit be issued with standard sewage conditions. The Act 537 Planning was approved on November 5, 2020 (A3-67960-384-3s).

Compliance History

Since this is a new facility, there is no history of noncompliance with permit requirements and no effluent sample results/inspections reports associated with this facility.

Development of Effluent Limitations and Monitoring Requirements

All proposed effluent limitations and monitoring requirements are recommended by the DEPs Standard Operating Procedure (SOP) for New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications (SOP No. BPNPSM-PMT-003). The facility will utilize ultraviolet disinfection; therefore, quarterly monitoring requirement for total residual chlorine is not applicable. The permittee will be required to submit a completed Annual Maintenance Report (AMR) as a part of permit requirements. No Discharge Monitoring Report (DMR) is necessary for any facilities that are required to report effluent monitoring results on AMRs annually.

Chapter 93.4a(b) of the Department's rules and regulations require that "existing instream water uses and the level of water quality necessary to protect the existing uses shall be maintained and protected." The discharge will be to non-special protection waters/watershed. No high-quality waters will be impacted by this discharge. No exceptional value waters will be impacted by this discharge. All effluent limitations and monitoring requirements have been developed to ensure that existing instream water uses and the level of water quality necessary to protect the existing uses are maintained and protected.

Facilities that are designed based on a flow of less than 2,000 GPD are exempt from the Bay requirements. Accordingly, it is not necessary for the permittee to perform nutrient monitoring.

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 (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
BOD5	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

Compliance Sampling Location: Outfall 001

