

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0231720
APS ID 1106681
Authorization ID 1471692

Applicant, Facility and Project Information

Applicant Name	<u>Kenneth F. & Rebecca M. Thomas</u>	Facility Name	<u>Kenneth F. & Rebecca M. Thomas</u>
Applicant Address	<u>131 Picnic Grove Road</u> <u>Catawissa, PA 17820</u>	Facility Address	<u>131 Picnic Grove Road</u> <u>Catawissa, PA 17820</u>
Applicant Contact	<u>Kenneth Thomas</u>	Facility Contact	<u>Kenneth Thomas</u>
Applicant Phone	<u>(570) 764-1381</u>	Facility Phone	<u>(570) 764-1381</u>
Client ID	<u>353284</u>	Site ID	<u>254071</u>
SIC Code	<u>4952</u>	Municipality	<u>Locust Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Columbia</u>
Date Application Received	<u>February 2, 2024</u>	WQM Required	<u>No.</u>
Date Application Accepted	<u>February 22, 2024</u>	WQM App. No.	<u></u>
Project Description	<u>New Individual NPDES Permit for an existing SRSTP.</u>		

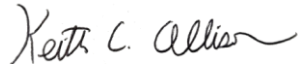

Summary of Review

The proposed permit is for an existing Single Residence Sewage Treatment Plant (SRSTP) serving a home in the Locust Township, Columbia County. The discharge is currently permitted under PAG044944. However, the permittee was required to obtain coverage under an individual NPDES permit due to the discharge to a special protection watershed. Coverage under PAG044944 will be rescinded upon final issuance of this individual NPDES permit.

A map of the discharge location is attached.

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		 Keith C. Allison / Project Manager	April 24, 2024
X		 Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	April 25, 2024

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>40° 52' 59.94"</u>	Longitude	<u>-76° 23' 44.96"</u>
Quad Name	<u>Catawissa, PA</u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Lick Run (HQ-CWF)</u>	Stream Code	<u>27504</u>
NHD Com ID	<u>65642577</u>	RMI	<u>0.8</u>
Drainage Area	<u>1.0 mi²</u>	Yield (cfs/mi ²)	<u>N/A</u>
Q ₇₋₁₀ Flow (cfs)	<u>Undetermined</u>	Q ₇₋₁₀ Basis	<u>N/A</u>
Elevation (ft)	<u>880</u>	Slope (ft/ft)	<u>Undetermined</u>
Watershed No.	<u>5-E</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u>HQ-CWF</u>	Existing Use Qualifier	<u>Class A Wild Trout</u>
Exceptions to Use	<u>None</u>	Exceptions to Criteria	<u>None</u>
Assessment Status	<u>Attaining Use(s)</u>		
Nearest Downstream Public Water Supply Intake	<u>Danville Municipal Water Auth.</u>		
PWS Waters	<u>Susquehanna River</u>	Distance from Outfall (mi)	<u>Approx. 20</u>

Changes Since Last Permit Issuance: The stream and drainage characteristics have been updated.

Other Comments: The discharge is not expected to affect any downstream water supply at this time with the monitoring and limitations proposed.

Compliance History	
Summary of AMRs:	AMRs have been submitted.
Summary of Inspections:	The facility was last inspected by the Department on June 23, 2023. This inspection noted no violations.
Other Comments:	A query in WMS found no open violations in eFACTS for Kenneth and Rebecca Thomas.

Treatment Facility
The treatment process, as permitted under WQM No. 1983404 T-2, consists of 900-gallon septic tank, a dosing tank/distribution box, a 600 ft ² subsurface sand filters, erosion chlorinator, and 170-gallon chlorine contact tank. The facility is designed to treat 400 gpd.

Existing Effluent Limitations and Monitoring Requirements

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	Upon Request	Estimate
TRC	XXX	XXX	XXX	Report Avg Mo	XXX	Report	1/month	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	Upon Request	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	Upon Request	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	Upon Request	Grab
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	Upon Request	Grab

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.

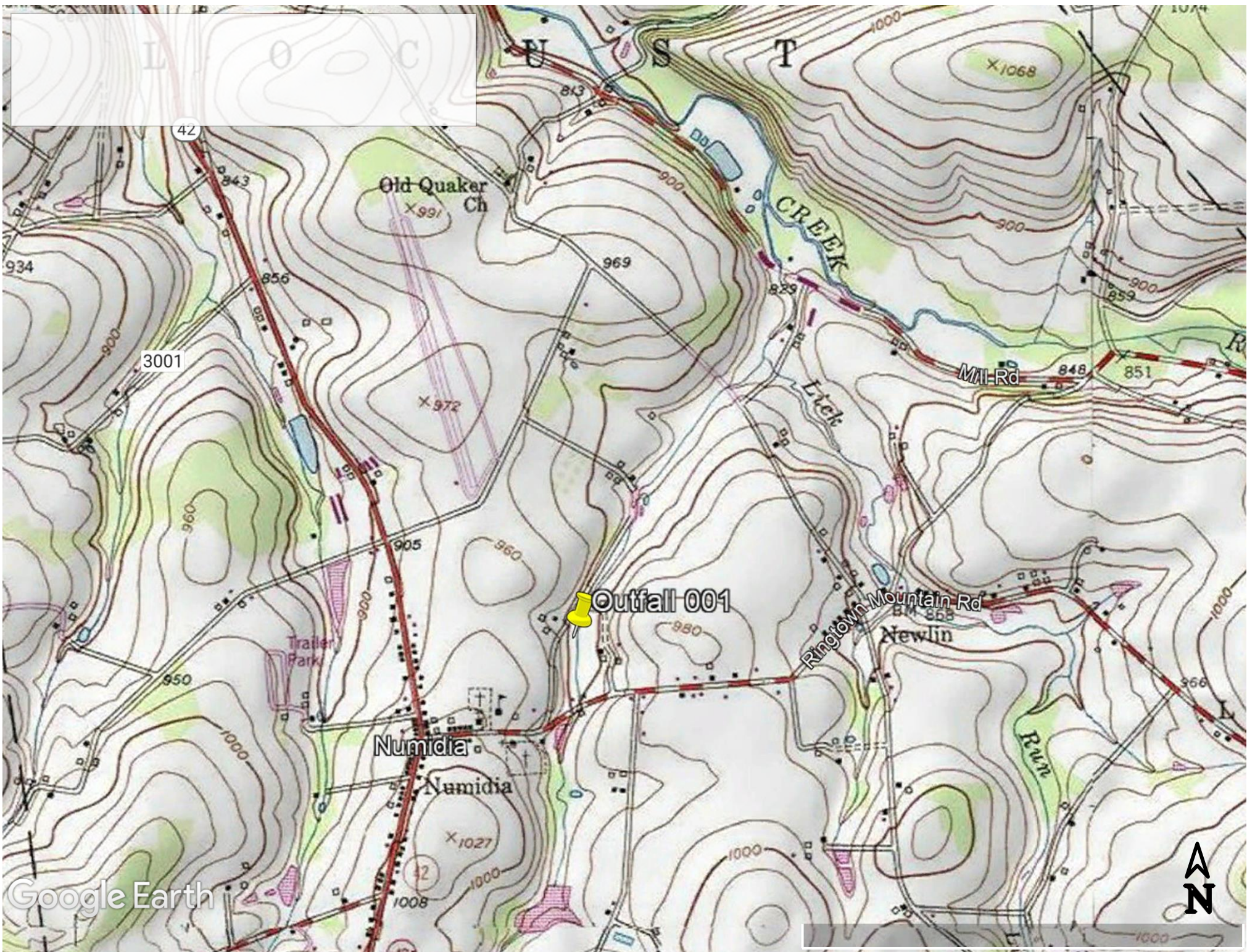
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TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

Other Comments: The exiting limits from the PAG04 only require Flow, BOD5, TSS, pH, and fecal coliform monitoring "upon request". Consistent with typical requirements for individual SRSTP permits the monitoring for all of these but pH will be annual. pH monitoring and limits are not typically required and will not be included now. The existing effluent limitations are adequate to protect the receiving waters.

Attachment

Discharge Location Map



Google Earth

