

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0233056
APS ID 1009891
Authorization ID 1302817

Applicant, Facility and Project Information

Applicant Name	<u>James B. & Rebecca M. Knepley</u>	Facility Name	<u>James B. & Rebecca M. Knepley</u>
Applicant Address	<u>2775 Bottle Run Road</u> <u>Williamsport, PA 17701</u>	Facility Address	<u>48 Meadowood Road</u> <u>Linden, PA 17744</u>
Applicant Contact	<u>James Knepley</u>	Facility Contact	<u>James Knepley</u>
Applicant Phone	<u>(570) 220-9529</u>	Facility Phone	<u>(570) 220-9529</u>
Client ID	<u>354737</u>	Site ID	<u>841238</u>
SIC Code	<u>4952</u>	Municipality	<u>Woodward Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Lycoming</u>
Date Application Received	<u>January 23, 2020</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>January 24, 2020</u>	WQM App. No.	<u>4120401</u>
Project Description	<u>New SRSTP in Woodward Township.</u>		

Summary of Review

James and Rebecca Knepley have submitted an application for an NPDES permit for a proposed Single Residence Sewage Treatment Plant (SRSTP) to serve an existing home currently served by a malfunctioning septic system. The discharge is subject to an individual NPDES permit due to the treatment system not being one prescribed in the Department's Small Flow Treatment Facilities manual.

A WQM application for the associated treatment system has been received and will be issued with the final NPDES permit.

Act 537 Planning for the proposed treatment and discharge was approved by the Department in a December 9, 2019 letter.

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	January 28, 2020
		Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>41° 15' 38.08"</u>	Longitude	<u>-77° 9' 22.83"</u>
Quad Name	<u>Salladasburg, PA</u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Quenshukeny Run (WWF, MF)</u>	Stream Code	<u>20972</u>
NHD Com ID	<u>66915529</u>	RMI	<u>0.5300 (of UNT 20972)</u>
Drainage Area	<u>0.11</u>	Yield (cfs/mi ²)	<u>Undetermined</u>
Q ₇₋₁₀ Flow (cfs)	<u>Undetermined</u>	Q ₇₋₁₀ Basis	<u>Undetermined</u>
Elevation (ft)	<u>820</u>	Slope (ft/ft)	<u>Undetermined</u>
Watershed No.	<u>10A</u>	Chapter 93 Class.	<u>Warm Water Fishes, Migratory Fishes</u>
Existing Use	<u>N/A</u>	Existing Use Qualifier	<u>N/A</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>PA American Water Company at Milton, PA</u>		
PWS Waters	<u>West Branch Susquehanna River</u>	Flow at Intake (cfs)	<u>8,500,000</u>
PWS RMI	<u>10.8</u>	Distance from Outfall (mi)	<u>Approx. 39.3</u>

Comments: A Point of First Use (POFU) determination was conducted during the Act 537 planning process for this project on November 16, 2017 by Dave Rebeck and Rob Everett of the Department. At that time the receiving stream at the proposed discharge point was determined to be an unnamed unmapped perennial flowing stream.

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

Treatment Facility
The treatment facility, as proposed under WQM permit application No. 4120401 will consist of the existing 900-gallon two-compartment septic tank, a 500-gallon single compartment septic tank with effluent filter, and an EcoFlo Model EC7-500-P-P Coco Filter with integrated UV disinfection system.

Compliance History
A query in WMS found no open violations in eFACTS for James B. and Rebecca M. Knepley.

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.

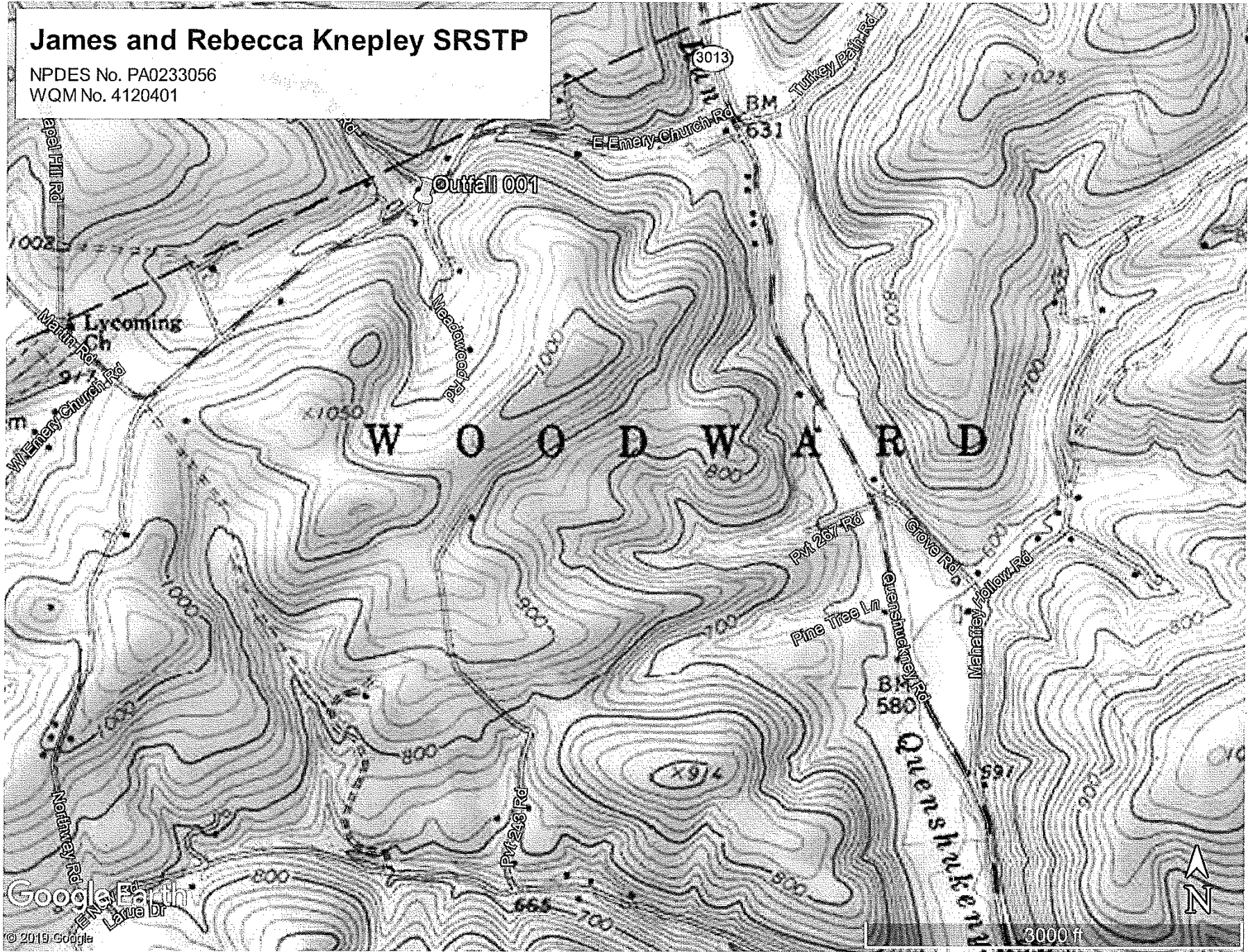
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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
Total Residual Chlorine (TRC)	XXX	XXX	XXX	Report Avg Mo	XXX	Report	1/month	Grab
Biochemical Oxygen Demand (BOD5)	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Total Suspended Solids	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 above limitations and monitoring requirements are consistent with the Department's typical requirements for SRSTPs. The limits are expected to be protective of the receiving stream. In addition, the associated application for WQM Permit No. 4120401 indicates that the above limits should be achievable by the proposed system.

Attachment:
Discharge Location Map



James and Rebecca Knepley SRSTP
NPDES No. PA0233056
WQM No. 4120401