

Application Type Renewal
 Facility Type Non-Municipal
 Major / Minor Minor

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Application No. PA0204609 A-1
 APS ID 1064068
 Authorization ID 1397385

Applicant and Facility Information

Applicant Name	<u>Jamie R Danko</u>	Facility Name	<u>Danko Properties SRSTP</u>
Applicant Address	<u>156 Shannon Lane</u> <u>Ligonier, PA 15658-3575</u>	Facility Address	<u>156 Shannon Lane</u> <u>Ligonier, PA 15658-3575</u>
Applicant Contact	<u>Jamie Danko</u>	Facility Contact	<u>Jamie Danko</u>
Applicant Phone	<u>(724) 875-2729</u>	Facility Phone	<u>(724) 875-2729</u>
Client ID	<u>370212</u>	Site ID	<u>2929</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Ligonier Township</u>
Connection Status		County	<u>Westmoreland</u>
Date Application Received	<u>March 22, 2022</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>March 29, 2022</u>	If No, Reason	
Purpose of Application	<u>Renewal and transfer of NPDES permit for treated sewage.</u>		

Summary of Review

The applicant has applied for a transfer and renewal of NPDES Permit No. PA0204609, which was originally issued by the Department on August 1, 1990. The previous permittee was Nicholas and Susan Rosa. The most recent permit expired December 31, 2020.

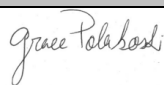
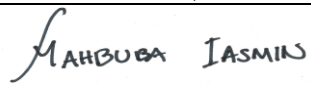
WQM Permit No. 6590408 will be transferred concurrently. WQM Permit No. 6590408 was originally issued August 1, 1990 and permitted the construction of a Jet Aeration Plant with an Up-Flow filter (2000 gal) and a chlorine contact tank (600 gal).

Maintenance was performed in February 2022 to replace a broken aerator (no WQM Permit Amendment required) and to service both the septic tank and the chlorine contact tank.

The current applicant acquired the property in 2016. The most recent eDMR records for this facility are from 2014. When the current permittee was contacted, she indicated that the facility is not discharging even though the property is occupied full-time. While the septic tank was pumped in February 2022, none of the chlorine disinfection tablets appear to be in contact with the water. This issue was forwarded to the Division of Operations in October 2022.

While permit issuance is recommended, the permittee is advised to contact the Division of Operations to request dye testing at their earliest convenience.

Previously, the facility was permitted prior to the development of the most recent revision (May 17, 2019) of Department SOP "New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications" (BCW-PMT-003). To bring the

Approve	Deny	Signatures	Date
X		 Grace Polakoski, E.I.T. / Environmental Engineering Specialist	February 1, 2023
x		 Mahbuba Iasmin, Ph.D., P.E. / Environmental Engineer Manager	February 8, 2023

Summary of Review

facility into compliance with current Department Guidance, the effluent limitations in the above SOP have been imposed during this permit cycle.

Sludge use and disposal description and location(s): N/A

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>0.0006</u>
Latitude	<u>40° 13' 43"</u>	Longitude	<u>-79° 18' 03"</u>
Quad Name	<u>Stahlstown</u>	Quad Code	<u>1711</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Fourmile Run (TSF)</u>	Stream Code	<u>43542</u>
NHD Com ID	<u>125293998</u>	RMI	<u>2.75</u>
Drainage Area	<u>35.1 sq. mi.</u>	Yield (cfs/mi ²)	<u>0.063</u>
Q ₇₋₁₀ Flow (cfs)	<u>2.21</u>	Q ₇₋₁₀ Basis	<u>USGS StreamStats (Attachment A)</u>
Elevation (ft)	<u>1165</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>18-C</u>	Chapter 93 Class.	<u>TSF</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>N/A</u>		
Source(s) of Impairment	<u>N/A</u>		
TMDL Status	<u>Final</u>	Name	<u>Kiskiminetas-Conemaugh River Watersheds TMDL</u>
Background/Ambient Data		Data Source	
pH (SU)	<u></u>		<u></u>
Temperature (°F)	<u></u>		<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Latrobe Municipal Authority</u>		
PWS Waters	<u>Loyalhanna Creek</u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u></u>	Distance from Outfall (mi)	<u>6.82</u>

Changes Since Last Permit Issuance:

Other Comments:

Kiskiminetas-Conemaugh River Watershed TMDL

A TMDL for the Kiskiminetas-Conemaugh River Watershed, of which Fourmile Run is a part, was completed on January 29, 2010 for the control of acid mine drainage pollutants: aluminum, iron, manganese, sediment, and pH. In accordance with 40 CFR § 122.44(d)(1)(vii)(B), when developing WQBELs, the permitting authority shall ensure that effluent limits developed to protect a narrative water quality criterion, a numeric water quality criterion, or both, are consistent with the assumptions and requirements of any available wasteload allocation (WLA) for the discharge prepared by the State and approved by the EPA pursuant to 40 CFR §130.7. Danko Properties SRSTP was not assigned wasteload allocations for aluminum,, iron, and manganese by Appendix G of the Kiskiminetas-Conemaugh River Watershed TMDL and the STP is listed as a Negligible Discharge Facility in Appendix C.

Treatment Facility Summary				
Treatment Facility Name: Danko Properties SRSTP				
WQM Permit No.	Issuance Date	Purpose		
6590408 T-1	Under DEP Review	Transfer of ownership		
6590408	8/1/1990	Construction of SRSTP		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary		Chlorine tablet	0.0006
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.0006		Not Overloaded		

Changes Since Last Permit Issuance: N/A

Other Comments: N/A

Compliance History

Facility: Danko SRSTP

NPDES Permit No.: PA0204609

Compliance Review Period: 6/2017 – 6/2022

Inspection Summary:

INSPECTED				
INSP ID	DATE	INSP TYPE	AGENCY	INSPECTION RESULT DESC
3303126	12/28/2021	Compliance Evaluation	PA Dept of Environmental Protection	Violation(s) Noted
2607051	06/23/2017	Compliance Evaluation	PA Dept of Environmental Protection	No Violations Noted

Violation Summary:

VOL ID	VIOLATION DATE	VIOLATION TYPE	VIOLATION TYPE DESC	RESOLVED DATE
940912	12/28/2021	92A.21(B)	NPDES - Failure to submit an individual permit application at least 180 days prior to commencing a discharge	01/05/2022
940913	12/28/2021	92A.41(A)12B	NPDES - Failure to submit monitoring report(s) or properly complete monitoring reports	01/05/2022

Open Violations by Client ID:

No open violations for client id 272830

Enforcement Summary:

ENF					
ENF ID	TYPE	ENF TYPE DESC	ENF CREATION DATE	ENF FINALSTATUS	ENF CLOSED DATE
400332	NOV	Notice of Violation	01/05/2022	Administrative Close Out	06/03/2022

DMR Violation Summary:

No DMR violations reported

Compliance Status:

In compliance

Completed by: John Murphy

Completed date: 6/3/2022

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Development of Effluent Limitations

Outfall No. <u>001</u>	Design Flow (MGD) <u>0.0006</u>
Latitude <u>40° 13' 43.00"</u>	Longitude <u>-79° 18' 3.00"</u>
Wastewater Description: <u>Sewage Effluent</u>	

Technology-Based Limitations

The following effluent limitations and monitoring requirements, at a minimum, will be established in all new and renewed SRSTP permits based on the requirements of DEP's "Standard Operating Procedure (SOP) for Clean Water Program New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Application" (SOP No. BCW-PMT-003, Version 1.8, Final, November 9, 2012, Revised May 17, 2019).

Parameter	Avg	IMAX	Sample Type	Frequency: SFTFs	Frequency: SRSTPs
Flow (GPD)	Report	XXX	Estimate (SRSTPs) Measured (SFTFs)	1/month	1/year
BOD5 (mg/L)	10	20	Grab	1/month	1/year
TSS (mg/L)	10	20	Grab	1/month	1/year
pH*	6.0 S.U. Inst. Min.	9.0 S.U.	Grab	1/month	1/year
TRC (mg/L)	Report for SRSTPs; Use TRC Spreadsheet to determine WQBELs or 0.02 mg/L for SFTFs		Grab	1/month	1/month
Fecal Coliform (No./100 ml)	200 Geometric Mean (SFTFs) / Average (SRSTPs)		Grab	1/month	1/year

* Technology-Based effluent limits for pH will be imposed based upon Federal Regulation 133.102(c) and State Regulation 95.2(1).

Additional Considerations:

SFTFs/SRSTPs are not required to monitor for Total Nitrogen and Total Phosphorus in new and reissued permits.

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 (GPD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
TRC	XXX	XXX	XXX	Report	XXX	Report	1/month	Grab
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	1000	1/year	Grab

Compliance Sampling Location: Outfall 001

ATTACHMENT A:
USGS StreamStats Report

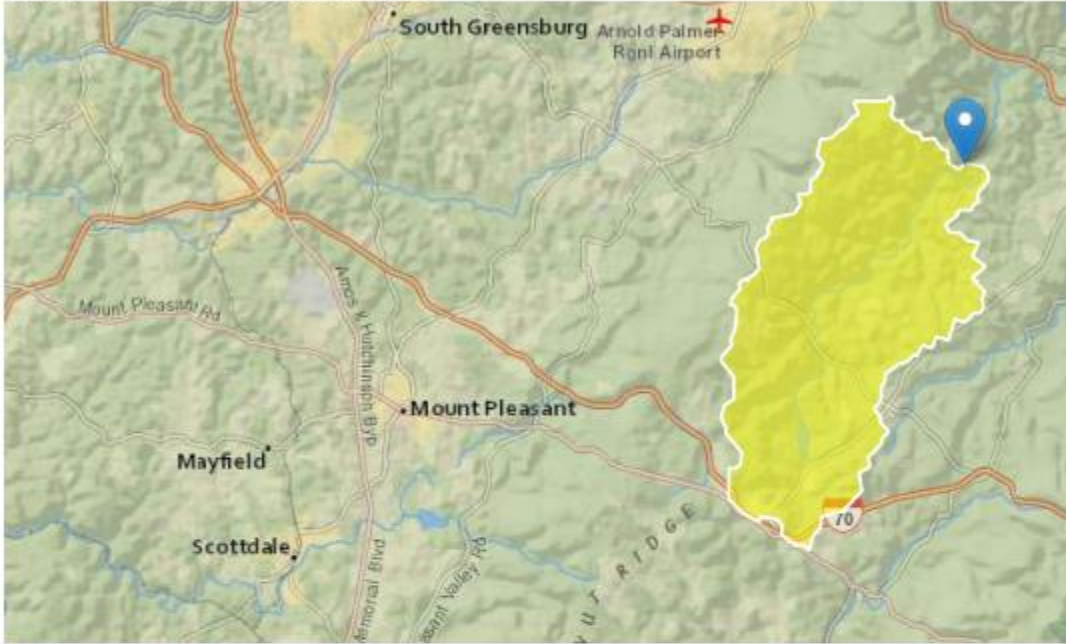
StreamStats Report

Region ID: PA

Workspace ID: PA20220603135516612000

Clicked Point (Latitude, Longitude): 40.22909, -79.29972

Time: 2022-06-03 09:55:37 -0400



 Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	35.1	square miles
ELEV	Mean Basin Elevation	1642	feet
PRECIP	Mean Annual Precipitation	45	inches

> Low-Flow Statistics

Low-Flow Statistics Parameters [99.9 Percent (35.1 square miles) Low Flow Region 3]

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Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	35.1	square miles	2.33	1720
ELEV	Mean Basin Elevation	1642	feet	898	2700
PRECIP	Mean Annual Precipitation	45	inches	38.7	47.9

Low-Flow Statistics Flow Report [99.9 Percent (35.1 square miles) Low Flow Region 3]

PIl: Prediction Interval-Lower, PIu: Prediction Interval-Upper, ASEp: Average Standard Error of Prediction, SE: Standard Error (other -- see report)

Statistic	Value	Unit	SE	ASEp
7 Day 2 Year Low Flow	4.39	ft ³ /s	43	43
30 Day 2 Year Low Flow	6.19	ft ³ /s	38	38
7 Day 10 Year Low Flow	2.21	ft ³ /s	54	54
30 Day 10 Year Low Flow	2.94	ft ³ /s	49	49
90 Day 10 Year Low Flow	4.21	ft ³ /s	41	41

Low-Flow Statistics Citations

Stuckey, M.H.,2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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