

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0289426  
APS ID 1038020  
Authorization ID 1353316

**Applicant, Facility and Project Information**

Applicant Name	<u>Erika Cialella</u>	Facility Name	<u>Erika Cialella SRSTP</u>
Applicant Address	<u>13 E Oakwood Way</u> <u>New Castle, PA 16105-1205</u>	Facility Address	<u>259 Classic Lane</u> <u>New Castle, PA 16105-5305</u>
Applicant Contact	<u>Erika Cialella</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 674-1812</u>	Facility Phone	<u></u>
Applicant E Mail	<u>janovicke@gmail.com</u>	Facility E Mail	<u></u>
Client ID	<u>362730</u>	Site ID	<u>847588</u>
Municipality	<u>Neshannock Township</u>	County	<u>Lawrence</u>
SIC Code	<u>8800</u>	SIC Code	<u>4952</u>
SIC Description	<u>Private Households</u>	SIC Description	<u>Trans. &amp; Utilities - Sewerage Systems</u>
Application Received	<u>April 16, 2021</u>	WQM Required	<u>Yes - pending</u>
Application Accepted	<u>June 14, 2021</u>	WQM App. No.	<u>3721402</u>
Project Description	<u>New small flow sewage treatment facility discharge permit</u>		

**Summary of Review**

Proposed is replacement of a failed on-lot sewage treatment facility serving a 5-bedroom residence. Design is for 1.8-ppd BOD5 and 600-gpd. No violations have been reported.

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		<i>William H. Mentzer</i> William H. Mentzer, P.E. Environmental Engineering Specialist	June 22, 2021
X		Justin C. Dickey Justin C. Dickey, P.E. Environmental Engineer Manager	June 25, 2021

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>0.0006</u>
Latitude DP	<u>41° 3' 33.84"</u>	Longitude DP	<u>-80° 19' 34.32"</u>
Latitude NHD	<u>41° 3' 34.30"</u>	Longitude NHD	<u>-80° 19' 11.85"</u>
Quad Name	<u>New Castle North</u>	Quad Code	<u>1003</u>
Wastewater:	<u>Treated single residence domestic wastes</u>		
Receiving Waters	<u>Unnamed Tributary to Neshannock Creek</u>	Stream Code	<u>unknown</u>
NHD Com ID	<u>130032020</u>	RMI	<u>0.3900</u>
Drainage Area	<u>0.004 (2.27 a)</u>	Yield (cfs/mi <sup>2</sup> )	<u>0</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0</u>	Q <sub>7-10</sub> Basis	<u>Dry stream</u>
Elevation (ft)	<u>1101.30</u>	Slope (ft/ft)	<u>0.144</u>
Watershed No.	<u>20-A</u>	Chapter 93 Class.	<u>TSF</u>
Existing Use	<u>statewide</u>	Existing Use Qualifier	<u>none</u>
Use Exceptions	<u>none</u>	Exceptions to Criteria	<u>none</u>
Comments	<u>Swale confluence 35533 RMI 0.40 Elevation 912.56 feet Drainage 2.55 square miles</u>		
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>SILTATION</u>		
Source(s) of Impairment	<u>AGRICULTURE</u>		
TMDL Status	_____	Name	_____
Background/Ambient Data	Data Source		
pH (SU)	_____	_____	
Temperature (°F)	_____	_____	
Hardness (mg/L)	_____	_____	
Other:	_____	_____	
Nearest Downstream Public Water Supply Intake	<u>Beaver Falls</u>		
PWS Waters	<u>Beaver River</u>	Flow at Intake (cfs)	<u>NA</u>
PWS RMI	<u>5.39</u>	Distance from Outfall (mi)	<u>27.31</u>

Changes Since Last Permit Issuance: NA

Other Comments: No water supply impacts are expected.

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> 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	Upon Request	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	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001 after disinfection

Other Comments: UV radiation requirements are on the Annual Maintenance Report (AMR)