

Application Type Amendment,
Major
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0288144 A-1
APS ID 1069681
Authorization ID 1407067

Applicant, Facility and Project Information

Applicant Name	<u>Kristine & Vincent Balinski</u>	Facility Name	<u>Kristine & Vincent Balinski SRSTP</u>
Applicant Address	<u>3578 Reichert Road</u> <u>Erie, PA 16509</u>	Facility Address	<u>3578 Reichert Road</u> <u>Erie, PA 16509</u>
Applicant Contact	<u>Vincent Balinski</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 397-8469</u>	Facility Phone	<u></u>
Applicant E Mail	<u>hd2006@neo.rr.com</u>	Facility E Mail	<u></u>
Client ID	<u>355209</u>	Site ID	<u>838981</u>
Municipality	<u>McKean Township</u>	County	<u>Erie</u>
SIC Code	<u>8800</u>	SIC Code	<u>4952</u>
SIC Description	<u>Private Households</u>	SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>
Date Application Received	<u>August 12, 2022</u>	WQM Required	<u>Amendment pending</u>
Date Application Accepted	<u>September 6, 2022</u>	WQM App. No.	<u>2520403 A-1</u>
Project Description	<u>Replacement of a chlorination disinfection system with a UV radiation disinfection system.</u>		

Summary of Review

No violations are reported. A chlorinator and chlorine contact tank are to be replaced with a NORWECO AT 1500 UV radiation disinfection system

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	September 8, 2022
X		Vacant Environmental Engineer Manager	Okay to Draft JCD 9/19/2022

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>0.0004</u>
Latitude DP	<u>42° 1' 8.20"</u>	Longitude DP	<u>-80° 6' 53.30"</u>
Latitude NHD	<u>42° 1' 2.41"</u>	Longitude NHD	<u>-80° 6' 53.19"</u>
Quad Name	<u>Erie South</u>	Quad Code	<u>0205</u>
Wastewater:	<u>Treated single residence domestic wastes</u>		
Receiving Waters	<u>Unnamed tributary to Elk Creek</u>	Stream Code	<u>unknown</u>
NHD Com ID		RMI	<u>0.11</u>
Drainage Area	<u>0 (2.78 a)</u>	Yield (cfs/mi ²)	<u>0</u>
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	<u>Dry stream</u>
Elevation (ft)	<u>1090</u>	Slope (ft/ft)	
Watershed No.	<u>15-A</u>	Chapter 93 Class.	<u>CWF, MF</u>
Existing Use	<u>Statewide</u>	Existing Use Qualifier	<u>none</u>
Exceptions to Use	<u>None</u>	Exceptions to Criteria	<u>none</u>
Comments	<u>NHD outfall at roadside ditch confluence with tributary 62620 at RMI 1.04 Drainage 2.62 a/0.41 sq Miles. Elevation 1086.45 feet. Downstream is KAITLYN & TIMOTHY WHITBECK SRTP. Drainage 93.9 a/0.15 sq mile Elevation 1076.90 RMI 0.75</u>		
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Background/Ambient Data		Data Source	
pH (SU)			
Temperature (°F)			
Hardness (mg/L)			
Other:			
Nearest Downstream Public Water Supply Intake	<u>City of Erie</u>		
PWS Waters	<u>Lake Erie</u>	Flow at Intake (cfs)	<u>NA</u>
PWS RMI	<u>915.04</u>	Distance from Outfall (mi)	<u>36.46</u>

Changes Since Last Permit Issuance: none

Other Comments: No discharge or downstream water supply intake impairment 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) ⁽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	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: See AMR for UV radiation disinfection requirements