

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0288144
APS ID 1011539
Authorization ID 1305824

Applicant, Facility and Project Information

Applicant Name	<u>Kristine & Vincent Balinski</u>	Facility Name	<u>Kristine & Vincent Balinski SRSTP</u>
Applicant Address	<u>3578 Reicher Road</u> <u>Erie, PA 16509-4344</u>	Facility Address	<u>3578 Reicher Road</u> <u>McKean, PA 16426</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></u>		<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>
Application Received	<u>February 5, 2020</u>	WQM Required	<u>Yes – pending</u>
Application Accepted	<u>March 16, 2020</u>	WQM App. No.	<u>2520403</u>
Project Description	<u>NPDES permit renewal.</u>		

Summary of Review

Proposed treatment is for a combined NORWECO Singulair Green Bio-Kinetic Model 960 Aerobic Treatment Unit with Bio-Film Reactor polishing and Bio-Dynamic Model LF 1000 chlorination disinfection with a 200-gallon contact tank and effluent pumping. This is a malfunctioning on-lot system replacement at an existing three-bedroom residence with a 400-gallon 1.1-pound daily design and a December 5, 2019 Planning approval. The application is dated February 3, 2020.

The facility design is based on similar NSF listed units. The chlorine contact design is half the facility design flow. A 60-gpm effluent pump is provided

The WQM permit is for: NORWECO Singulair Bio-Kinetic Model 960 Aerobic Treatment Unit with Bio-Film Reactor polishing and chlorination disinfection with a 200-gallon contact tank and effluent pumping.

With proper construction and operation this proposal should protect the public health and achieve the Department's requirements.

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
		William H. Mentzer William H. Mentzer, P.E. Environmental Engineering Specialist	June 11, 2020
		Justin C. Dickey Justin C. Dickey, P.E. Environmental Engineer Manager	June 16, 2020

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0004
Latitude DP	42° 1' 8.20"	Longitude DP	-80° 6' 53.30"
Latitude NHD	42° 1' 2.41"	Longitude NHD	-80° 6' 53.19"
Quad Name	Erie South	Quad Code	0205
Wastewater:	Treated single residence domestic wastes		
Receiving Waters	Unnamed tributary to Elk Creek	Stream Code	unknown
NHD Com ID		RMI	0.11
Drainage Area	0 (2.78 a)	Yield (cfs/mi ²)	0
Q ₇₋₁₀ Flow (cfs)	0	Q ₇₋₁₀ Basis	Dry stream
Elevation (ft)	1090	Slope (ft/ft)	
Watershed No.	15-A	Chapter 93 Class.	CWF, MF
Existing Use	Statewide	Existing Use Qualifier	none
Exceptions to Use	None	Exceptions to Criteria	none
Comments	NHD outfall at road side 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		
Assessment Status	Attaining Use(s)		
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	Cambridge Springs		
PWS Waters	Lake Erie	Flow at Intake (cfs)	NA
PWS RMI	50.28	Distance from Outfall (mi)	40.83

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
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab

Compliance Sampling Location: Outfall 001 after disinfection