

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0289663
APS ID 1042221
Authorization ID 1359974

Applicant, Facility and Project Information

Applicant Name	<u>Carlyn Duran & Joseph Radachy</u>	Facility Name	<u>Carlyn Duran & Joseph Radachy SRSTP</u>
Applicant Address	<u>3229 South Hill Road</u> <u>McKean, PA 16426-2107</u>	Facility Address	<u>3229 South Hill Road</u> <u>McKean, PA 16426</u>
Applicant Contact	<u>Joseph Radachy</u>	Facility Contact	<u>Joseph Radachy</u>
Applicant Phone	<u>(724) 301-2428</u>	Facility Phone	<u>(724) 301-2428</u>
Client ID	<u>363885</u>	Site ID	<u>848425</u>
SIC Code	<u>8800</u>	Municipality	<u>McKean Township</u>
SIC Description	<u>Private Households</u>	County	<u>Erie</u>
Date Application Received	<u>June 28, 2021</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>August 2, 2021</u>	WQM App. No.	<u>2521419</u>
Project Description	<u>Individual NPDES permit for a Single Residence Sewage Treatment Plant.</u>		

Summary of Review

The project involves the installation of a new 500 gpd single residence sewage treatment system for a 4-bedroom home. Planning approval (Module Code No. M6-20-174) was issued for Carlyn Duran & Joseph Radachy SRSTP on May 28, 2021. Act 14 – Proof of notification was submitted and received.

The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

I. OTHER REQUIRMENTS

- | | |
|---|---------------------------------|
| A. AMRs | F. Stormwater into Sewers |
| B. DMRs | G. Right of Way |
| C. Depth of Septage and Scum Management | H. Solids Handling |
| D. Septic Tank Pumping | I. Public Sewerage Availability |
| E. Chlorine Optimization | |

SPECIAL CONDITIONS: None

Proposed treatment will consist of (WQM Permit No. 2521419) the existing 1,250-gallon dual compartment septic tank, a EC7-500-P-G Coco Filter unit, a Norweco AT 1500 UV disinfection, where the treated effluent will discharge to a 300-gallon effluent pump tank, which pumps the effluent into a roadside ditch leading to Unnamed Tributary 62635 to Elk Creek (CWF).

Sludge use and disposal description and location(s): Septage must be pumped and hauled off-site by a septage hauler for land application under a general permit authorized by DEP or disposal at an STP.

There are no open violations in WMS for the subject client ID (363885) as of 10/28/2021.

Approve	Deny	Signatures	Date
X		Jon F. Bucha Jonathan F. Bucha / Civil Engineer General	October 27, 2021
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	November 1, 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>.0005</u>
Latitude	<u>41° 58' 44.2"</u>	Longitude	<u>-80° 5' 21.9"</u>
Quad Name	<u>Cambridge Springs NE</u>	Quad Code	<u>0305</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Elk Creek (CWF, MF)</u>	Stream Code	<u>62635</u>
NHD Com ID	<u>123920406</u>	RMI	<u>2.23</u>
Drainage Area	<u>0.092 mi²</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.0092</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1423 (Google Earth)</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>15-A</u>	Chapter 93 Class.	<u>CWF, MF</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>-</u>		
Source(s) of Impairment	<u>-</u>		
TMDL Status	<u>-</u>	Name	<u>-</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		Discharges to Lake Erie	
PWS Waters	<u>-</u>	Flow at Intake (cfs)	<u>-</u>
PWS RMI	<u>-</u>	Distance from Outfall (mi)	<u>-</u>

Changes Since Last Permit Issuance: N/A

Other Comments: This treatment facility is capable of meeting effluent 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.

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.

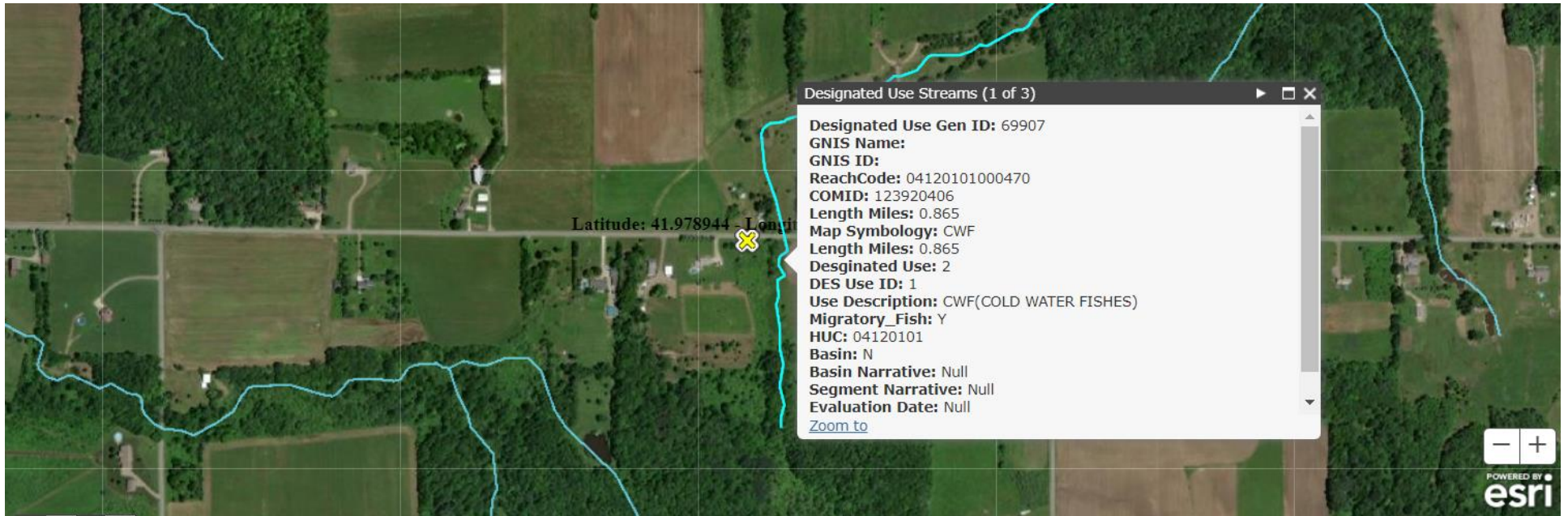
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

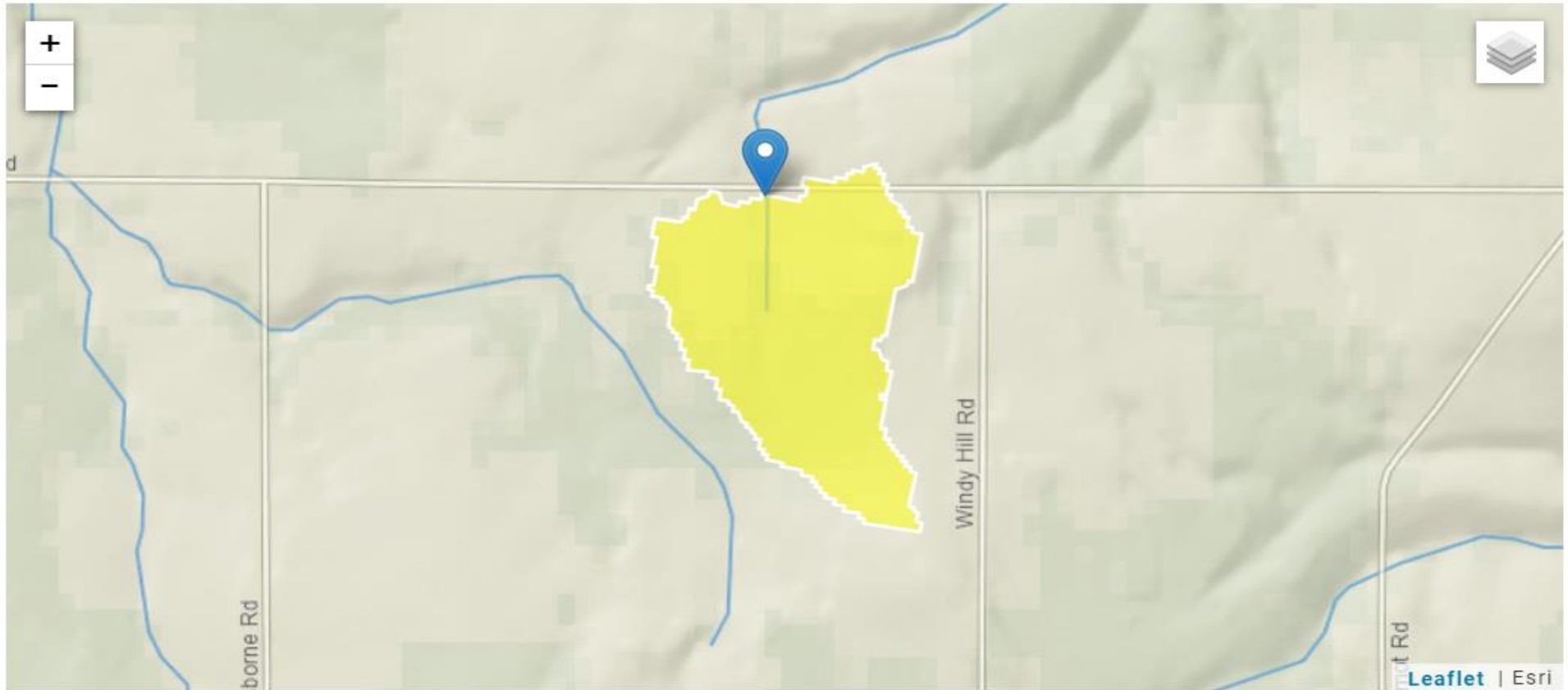
Compliance Sampling Location: Outfall 001 after disinfection.

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD5, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7 and the monitoring frequency has been established as "upon request" due to CWF stream designation.

Attachment A – Designated Stream Use



Attachment B – Streamstats Drainage Area



Basin Characteristics			
Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.092	square miles
ELEV	Mean Basin Elevation	1434	feet