

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0097489
APS ID 1117606
Authorization ID 1491851

Applicant, Facility and Project Information

Applicant Name <u>Martin Diesel LLC</u>	Facility Name <u>Martin Diesel SFTF</u>
Applicant Address <u>7425 Route 422 Highway W</u>	Facility Address <u>7425 Route 422 Highway W</u>
<u>Indiana, PA 15701-4343</u>	<u>Indiana, PA 15701-4343</u>
Applicant Contact <u>Matthew Martin</u>	Facility Contact _____
Applicant Phone <u>(724) 471-2371</u>	Facility Phone _____
Client ID <u>371320</u>	Site ID <u>259168</u>
SIC Code <u>1622,4952</u>	Municipality <u>Armstrong Township</u>
SIC Description <u>Construction - Bridge, Tunnel, And Elevated Highway, Trans. & Utilities - Sewerage Systems</u>	County <u>Indiana</u>
Date Application Received <u>June 17, 2024</u>	WQM Required _____
Date Application Accepted _____	WQM App. No. _____
Project Description <u>Single Residence Sewage Treatment Plant (SRSTP) NPDES Renewal.</u>	

Summary of Review

This is an existing discharge for an on-lot system that serves a business.

Act 14 – Proof of Notification was submitted and received.

Proposed treatment will consist of (WQM Permit No. 3289401): Jet Aeration Company Model J – 153 with J – 149 Up-Flow Filter and Model 105 Chlorinator with a 200-gallon contact tank.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (371320) as of 3/13/2025.

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		Jordan A. Frey, E.I.T. Jordan A. Frey, E.I.T. / Project Manager	March 13, 2025
		Adam Olesnanik, P.E. / Environmental Engineer Manager	

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	40° 38' 46.26"	Longitude	-79° 15' 58.99"
Quad Name	Elderton	Quad Code	40079F3
Wastewater Description: Sewage Effluent			
Receiving Waters	Curry Run (CWF)	Stream Code	46706
NHD Com ID	123858111	RMI	0.5500
Drainage Area	7.29	Yield (cfs/mi ²)	0.1
Q ₇₋₁₀ Flow (cfs)	0.729	Q ₇₋₁₀ Basis	Default
Elevation (ft)	1036	Slope (ft/ft)	---
Watershed No.	17-E	Chapter 93 Class.	CWF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	SILTATION, SILTATION, SILTATION		
Source(s) of Impairment	REMOVAL OF RIPARIAN VEGETATION, RURAL (RESIDENTIAL AREAS), STREAMBANK MODIFICATIONS/DESTABILIZATION		
TMDL Status	Final	Name	Crooked Creek Watershed
Background/Ambient Data		Data Source	
pH (SU)	7.0	Default	
Temperature (°F)	20	Default	
Hardness (mg/L)	100	Default	
Other:			
Nearest Downstream Public Water Supply Intake	Buffalo Township Municipal Water Authority - Freeport		
PWS Waters	Allegheny River	Flow at Intake (cfs)	2576
PWS RMI	30	Distance from Outfall (mi)	>25

Changes Since Last Permit Issuance: None.

Other Comments:

This SRSTP was designed where applicable in accordance with the SFTF Manual, but it does not qualify for the PAG-04 General Permit due to the use of a Jet system. The proposed discharge is to resolve a repair of a malfunctioning on-lot system.

The Jet unit is reportedly capable of meeting CBOD5 averages of 10 mg/l and TSS averages of 10 mg/l.

In accordance with the SOP, no water quality modeling was performed since this is a SRSTP.

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.

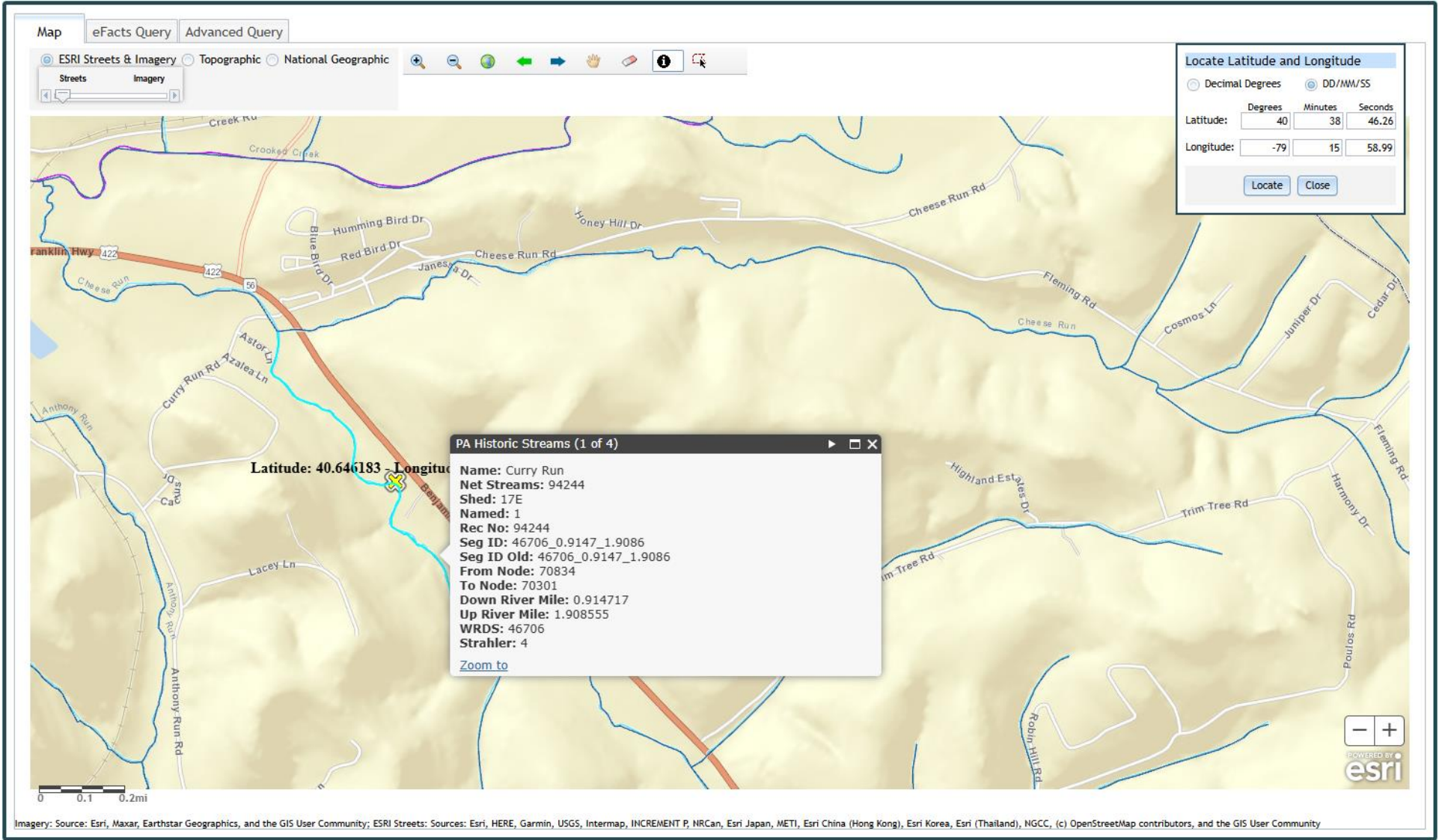
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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 (MGD)	0.0004	XXX	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
CBOD5	XXX	XXX	XXX	25.0	XXX	50.0	1/month	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60.0	1/month	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	1/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/month	Grab

Compliance Sampling Location: Outfall 001, After disinfection

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD₅ and Total Suspended Solids are BPJ limits based on the Small Flow Treatment Facilities Manual. Fecal Coliform is technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

Attachment 1
eMap – Location Map



Attachment 2
Google Earth Imagery

