Pennsylvania Department of Environmental Protection

Northwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0045039**
Wastewater Type	**Sewage**	APS ID	**1137753**
Facility Type	**SFTF**	Authorization ID	**1527932**

NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**PA DCNR**	Facility Name	**Oil Creek State Park**
Applicant Address	305 State Park Road	Facility Address	305 State Park Road
	Oil City, PA 16301-5933		Oil City, PA 16301-5933
Applicant Contact	Casey Schultz	Facility Contact	Casey Shultz
Applicant Phone	(814) 676-5915	Facility Phone	(814) 676-5915
Client ID	52524	Site ID	271700
SIC Code	8412	Municipality	Cornplanter Township
SIC Description	Services - Museums And Art Galleries	County	Venango
Date Application Received	May 19, 2025	WQM Required	No
Date Application Accepted		WQM App. No.	

Project Description: Renewal application for a Small Flow Treatment Facility (SFTF)

Summary of Review

The permittee is requesting reissuance of Individual Permit No. PA0045039 which is set to expire on February 28, 2026. This is an existing discharge which serves a public bathroom for a recreation site.

The existing facilities consist of (WQM Permit No. 6178401): A septic tank, dosing tank with submersible pump, subsurface sand mound, and tablet chlorination.

Act 14 notifications were submitted and received.

This facility is registered for and is using eDMR for reporting. No discharge has been reported in the last 2 years.

There are 42 open violations in WMS for the subject Client ID (52524) as of May 28, 2025. The final permit may not be issued unless the violations are resolved during the public comment period.

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		Carlee Wilson Carlee Wilson / Environmental Engineering Trainee	May 28, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	June 4, 2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.002
Latitude	41º 31' 0.49"	Longitude	-79º 40' 57.03"
Quad Name	-	Quad Code	-
Wastewater Description:	Sewage Effluent		
Receiving Waters	Oil Creek (CWF)	Stream Code	54128
NHD Com ID	100475045	RMI	-
Drainage Area	279	Yield (cfs/mi^2)	-
Q_{7-10} Flow (cfs)	19.2	Q_{7-10} Basis	USGS - StreamStats
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	16-E	Chapter 93 Class.	CWF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Impaired		
Cause(s) of Impairment	MERCURY, MERCURY, MERCURY, MERCURY		
Source(s) of Impairment	SOURCE UNKNOWN, SOURCE UNKNOWN, SOURCE UNKNOWN, SOURCE UNKNOWN		
TMDL Status	-	Name	-

Background/Ambient Data		Data Source
pH (SU)	-	-
Temperature (°F)	-	-
Hardness (mg/L)	-	-
Other:	-	-

Nearest Downstream Public Water Supply Intake	-		
PWS Waters	-	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	-

Changes Since Last Permit Issuance: N/A

Other Comments: Threatened and Endangered Mussels were identified in Oil Creek up to the Covered Red Bridge. Based on previous discussions with the USFWS and PAFBC, SFTF discharges are not believed to impact these species.

This SFTF was designed where applicable in accordance with the SFTF Manual, but it does not qualify for coverage under the PAG-04 General Permit due to the use of a dosing tank with submersible pump and subsurface sand mound.

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.

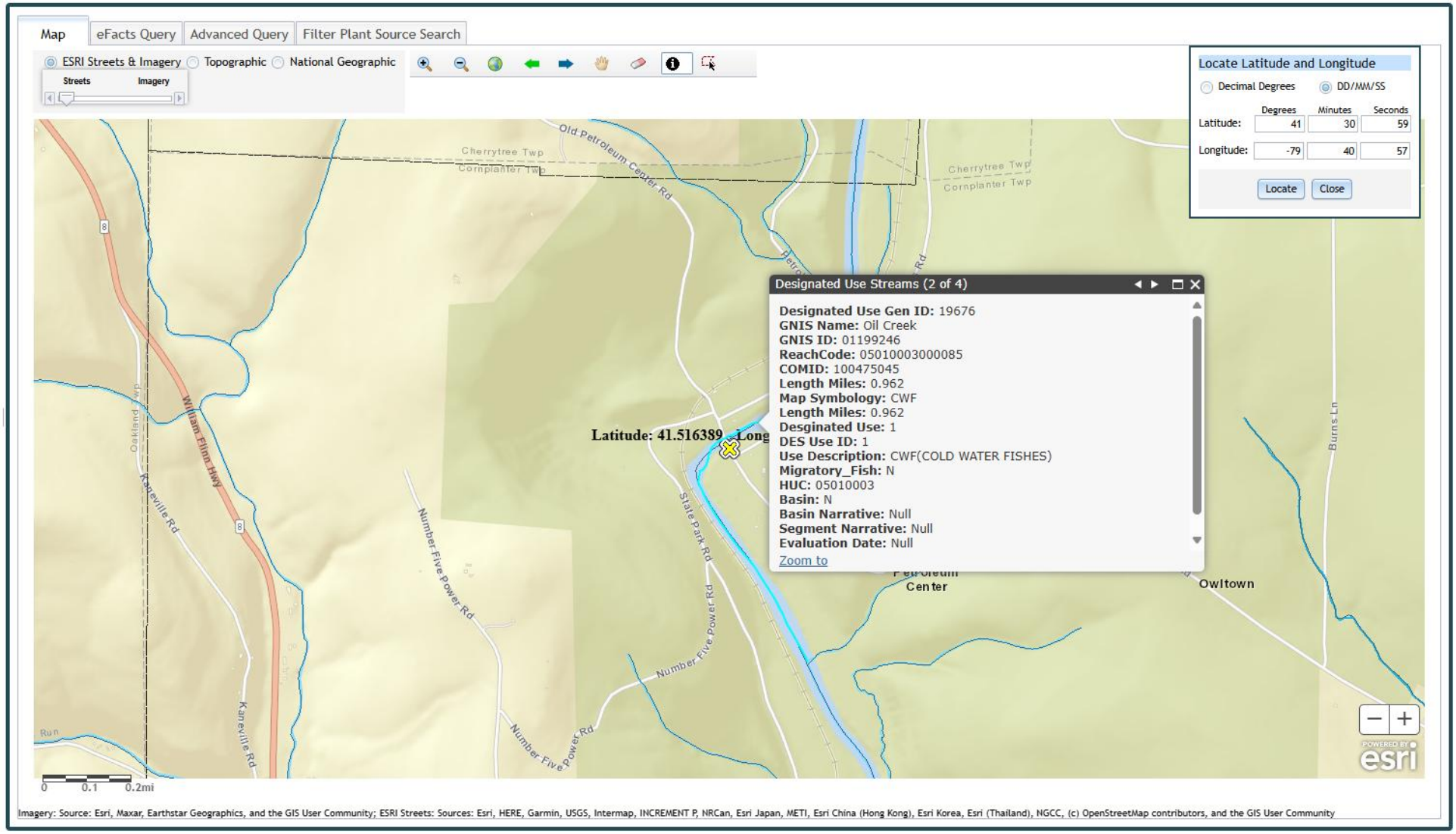
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	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	0.5	XXX	1.2	1/month	Grab
BOD5	XXX	XXX	XXX	25	XXX	50	1/month	Grab
TSS	XXX	XXX	XXX	30	XXX	60	1/month	Grab
Fecal Coliform (CFU/100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/month	Grab

Compliance Sampling Location: Outfall 001 – after disinfection

Other Comments: Effluent limitations are with the parameters monitored for SFTFs in accordance with the Department's SOP entitled "New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications," except for the BOD5 and TSS effluent limits. Due to the lack of discharge from the facility, the existing limits are being retained. The TRC evaluation spreadsheet indicated that the technology-based limits above were protective of the receiving stream.

Attachment 1
eMapPA – Receiving Stream Location and Data



Attachment 2
USGS (StreamStats) – Drainage Data

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	279	square miles
ELEV	Mean Basin Elevation	1517	feet
PRECIP	Mean Annual Precipitation	45	inches

Low-Flow Statistics

Low-Flow Statistics Parameters [Low Flow Region 3]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	279	square miles	2.33	1720
ELEV	Mean Basin Elevation	1517	feet	898	2700
PRECIP	Mean Annual Precipitation	45	inches	38.7	47.9

Low-Flow Statistics Flow Report [Low Flow Region 3]

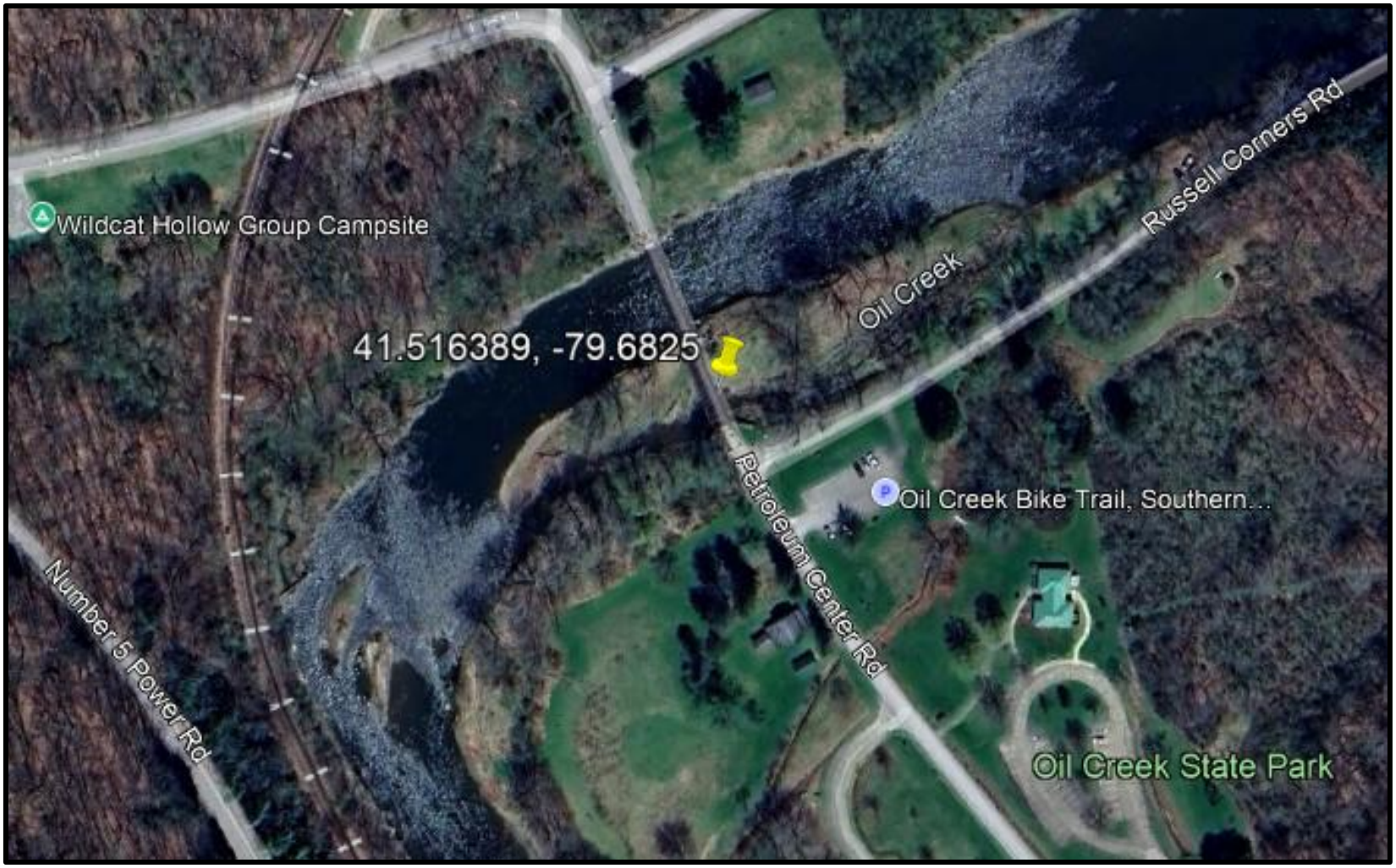
PIL: Lower 90% Prediction Interval, PIU: Upper 90% Prediction Interval, ASEp: Average Standard Error of Prediction, SE: Standard Error, PC: Percent Correct, RMSE: Root Mean Squared Error, PseudoR^2: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	SE	ASEp
7 Day 2 Year Low Flow	34.3	ft^3/s	43	43
30 Day 2 Year Low Flow	46.9	ft^3/s	38	38
7 Day 10 Year Low Flow	19.2	ft^3/s	54	54
30 Day 10 Year Low Flow	24.8	ft^3/s	49	49
90 Day 10 Year Low Flow	34.8	ft^3/s	41	41

Low-Flow Statistics Citations

Stuckey, M.H.,2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p.

Attachment 3
Google Earth – Aerial Site View



Attachment 4
TRC Spreadsheet

TRC EVALUATION

19.2	= Q stream (cfs)	0.5	= CV Daily
0.002	= Q discharge (MGD)	0.5	= CV Hourly
4	= no. samples	1	= AFC_Partial Mix Factor
0.3	= Chlorine Demand of Stream	1	= CFC_Partial Mix Factor
0	= Chlorine Demand of Discharge	15	= AFC_Criteria Compliance Time (min)
0.5	= BAT/BPJ Value	720	= CFC_Criteria Compliance Time (min)
	= %Factor of Safety (FOS)		=Decay Coefficient (K)

Source	Reference	AFC Calculations		Reference	CFC Calculations	
TRC	**1.3.2.iii**	WLA afc =	1979.592	**1.3.2.iii**	WLA cfc =	1929.940
PENTOXSD TRG	**5.1a**	LTAMULT afc =	0.373	**5.1c**	LTAMULT cfc =	0.581
PENTOXSD TRG	**5.1b**	LTA_afc=	737.643	**5.1d**	LTA_cfc =	1121.977

Source		Effluent Limit Calculations		
PENTOXSD TRG	5.1f	AML MULT =	1.720	
PENTOXSD TRG	5.1g	AVG MON LIMIT (mg/l) =	0.500	BAT/BPJ
		INST MAX LIMIT (mg/l) =	1.170	