Pennsylvania Department of Environmental Protection

Northwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0239186**
Wastewater Type	**Sewage**	APS ID	**1123962**
Facility Type	**SFTF**	Authorization ID	**1503340**

NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**Cipted Corp**	Facility Name	**Cipted Corp Evans City**
Applicant Address	1498 Evans City Road Evans City, PA 16033-7646	Facility Address	1498 Evans City Road Evans City, PA 16033-7646
Applicant Contact	Cj Tedesco	Facility Contact	Mike Flumer
Applicant Phone	(724) 935-6700	Facility Phone	(724) 935-6700
Client ID	357378	Site ID	248843
SIC Code	4225,4952,6512	Municipality	Forward Township
SIC Description	Fin, Ins & Real Est - Nonresidential Building Operators,Trans. & Utilities - General Warehousing And Storage,Trans. & Utilities - Sewerage Systems	County	Butler
Date Application Received	October 18, 2024	WQM Required	Previously issued - 1003414
Date Application Accepted		WQM App. No.	--

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

Summary of Review

On October 18, 2024, the Department received a renewal application for Individual Permit No. PA0239186 which expired on April 20, 2025. There is one outfall (Outfall 001) which discharges into a storm sewer to Tributary 35094 to Connoquenessing Creek.

The existing facilities consists of (WQM Permit No. 1003414): A proprietary activated sludge treatment system with accessible sand filter and chlorination (Norweco Model 960 aerobic treatment unit, 500-gallon dosing tank, 92.5-square foot accessible sand filter, and tablet chlorinator with a 300-gallon contact tank)

The system was originally designed for a 0.000750 MDG discharge and later downgraded to a 0.0005 MGD facility.

Act 14 notifications were submitted and received.

Annual Maintenance Reports (AMRs) have been submitted yearly. Lab results were submitted with the application and the system appears to be operating as designed. TRC sampling results are missing.

There are no open violations in WMS for the subject Client ID (357378) as of October 21, 2025.

Approve	Deny	Signatures	Date
X		Carlee Wilson Carlee Wilson / Environmental Engineering Trainee	October 21, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	November 3, 2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.0005
Latitude	40º 47' 20.79"	Longitude	-80º 1' 54.66"
Quad Name	-	Quad Code	-
Wastewater Description:	Sewage Effluent		
Receiving Waters	Unnamed Tributary to Connoquenessing Creek (WWF)	Stream Code	35094
NHD Com ID	126218483	RMI	0.22
Drainage Area	0.28	Yield (cfs/mi^2)	0.007
Q_{7-10} Flow (cfs)	0.002	Q_{7-10} Basis	USGS - StreamStats
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	20-C	Chapter 93 Class.	WWF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
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	-		
PWS Waters	-	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	-

Comments:

TRC Modeling (Attachment 3) was conducted since this an SFTF. The existing BPJ limits will be retained into this renewal.

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.

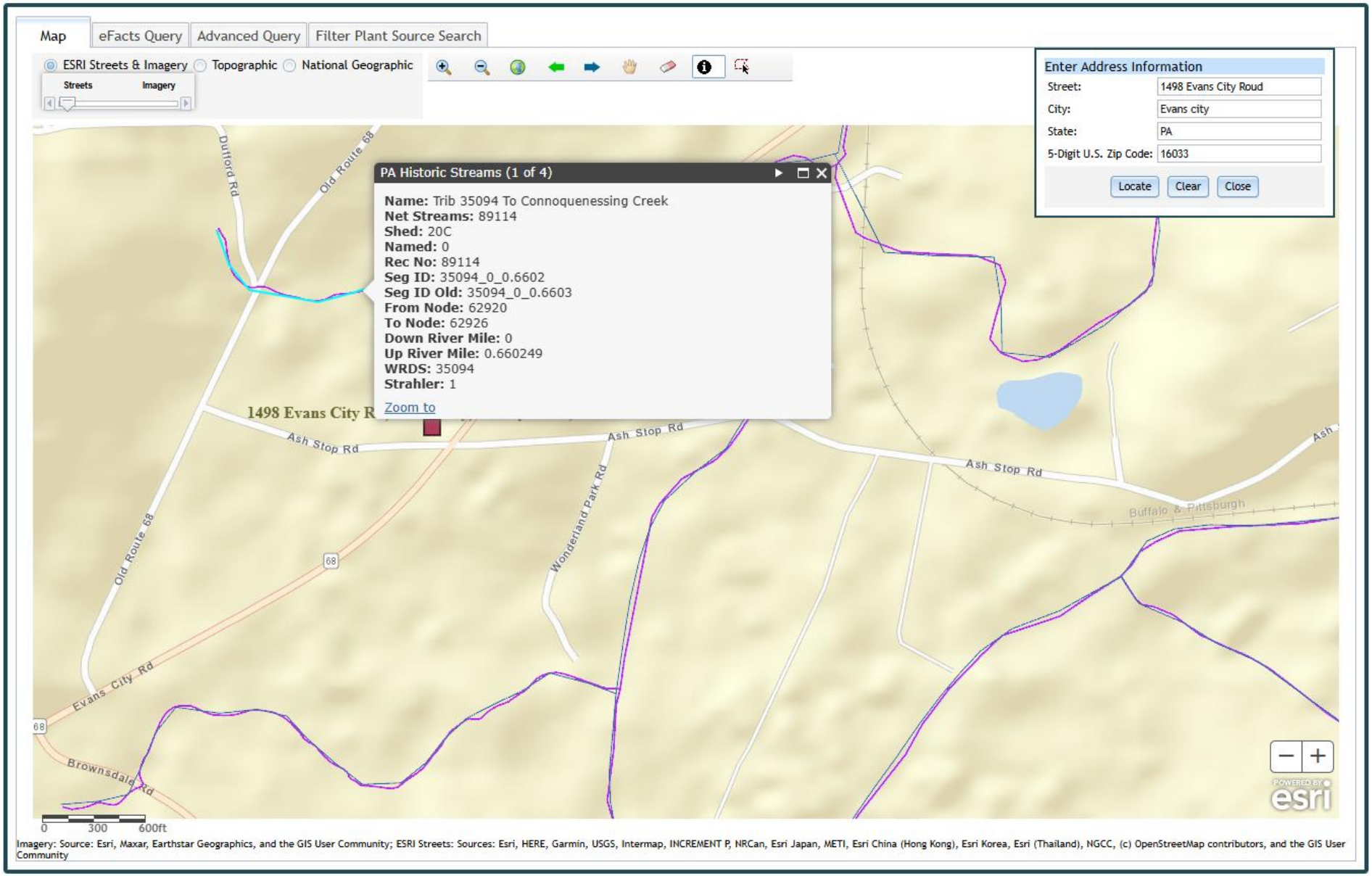
Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Upon Request	Grab
TRC	XXX	XXX	XXX	0.5 Avg Mo	XXX	1.6	1/month	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

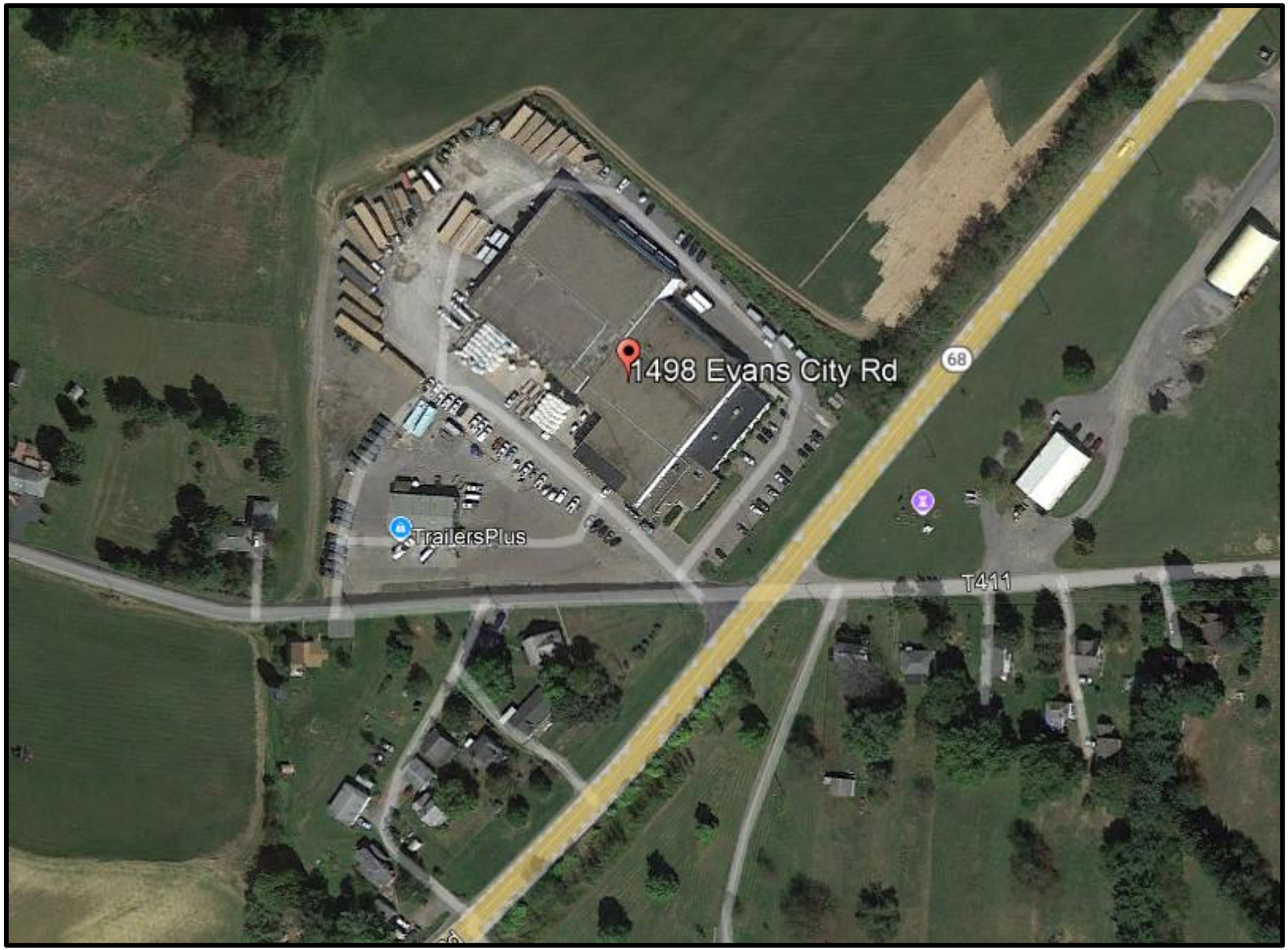
Other Comments: Effluent limits were retained from the previous permit cycle. Flow is monitor only based on Chapter 92a.61. The limits for BOD_5, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

The current monitoring frequencies are less stringent than the minimum frequencies established in the Department's "*New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications*" (SOP No. BCW-PMT-003) for SFTFs but the facility has been well-maintained, so the current monitoring frequencies are proposed to be carried over to the renewal. "If an existing facility has been well-maintained and monitoring frequencies in the existing permit are less stringent than those below, the existing frequencies may be carried over to the renewal…" - SOP No. BCW-PMT-003.

Attachment 1
eMapPA – Receiving Stream Location and Data



Attachment 2
Google Earth – Aerial Site View



Attachment 3
TRC Spreadsheet

TRC EVALUATION

0.002	= Q stream (cfs)	0.5	= CV Daily
0.0005	= 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 = 0.844	**1.3.2.iii**	WLA cfc = 0.815
PENTOXSD TRG	**5.1a**	LTAMULT afc = 0.373	**5.1c**	LTAMULT cfc = 0.581
PENTOXSD TRG	**5.1b**	LTA_afc= 0.314	**5.1d**	LTA_cfc = 0.474

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	

WLA afc	**(.019/e(-k*AFC_tc)) + [(AFC_Yc*Qs*.019/Qd*e(-k*AFC_tc))...** **...+ Xd + (AFC_Yc*Qs*Xs/Qd)]*(1-FOS/100)**
LTAMULT afc	EXP((0.5*LN(cvh^2+1))-2.326*LN(cvh^2+1)^0.5)
LTA_afc	wla_afc*LTAMULT_afc
WLA_cfc	**(.011/e(-k*CFC_tc) + [(CFC_Yc*Qs*.011/Qd*e(-k*CFC_tc))...** **...+ Xd + (CFC_Yc*Qs*Xs/Qd)]*(1-FOS/100)**
LTAMULT_cfc	EXP((0.5*LN(cvd^2/no_samples+1))-2.326*LN(cvd^2/no_samples+1)^0.5)
LTA_cfc	wla_cfc*LTAMULT_cfc
AML MULT	EXP(2.326*LN((cvd^2/no_samples+1)^0.5)-0.5*LN(cvd^2/no_samples+1))
AVG MON LIMIT	MIN(BAT_BPJ,MIN(LTA_afc,LTA_cfc)*AML_MULT)
INST MAX LIMIT	**1.5*((av_mon_limit/AML_MULT)/LTAMULT_afc)**