

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0261190
APS ID 654971
Authorization ID 1307107

Applicant, Facility and Project Information

Applicant Name	<u>Tiger Properties</u>	Facility Name	<u>Tiger Properties</u>
Applicant Address	<u>4 E High Street</u> <u>Carlisle, PA 17013-3086</u>	Facility Address	<u>770 Conodoguinet Avenue</u> <u>Carlisle, PA 17015-7740</u>
Applicant Contact	<u>Andrew Diehl</u>	Facility Contact	<u>Andrew Diehl</u>
Applicant Phone	<u>(717) 226-5084</u>	Facility Phone	<u>(717) 226-5084</u>
Client ID	<u>266582</u>	Site ID	<u>710671</u>
SIC Code	<u>6514</u>	Municipality	<u>North Middleton Township</u>
SIC Description	<u>Fin, Ins & Real Est - Dwelling Operators, Except Apartments</u>	County	<u>Cumberland</u>
Date Application Received	<u>February 20, 2020</u>	WQM Required	<u>Issued</u>
Date Application Accepted	<u>March 4, 2020</u>	WQM App. No.	<u>2108405</u>
Project Description	<u>Renewal of an SRSTP for an existing treatment plant.</u>		

Summary of Review

An NPDES permit renewal application was submitted for a Single-Residence Sewage Treatment Plant (SRSTP) located in North Middleton Township, Cumberland County.

DEP's SOP recommends an average monthly limit of 10 mg/L for both Total Suspended Solids and CBOD₅. Although the treatment plant has not been constructed yet, DEP's letter to the manufacturer "Premier Tech Aqua" about Alternate Technology on February 24, 2014 indicated that Ecoflo STB-650 peat filter can produce an effluent which shall not exceed 10 mg/L CBOD₅ and 10 mg/L TSS as monthly average. Accordingly, new limits of TSS and CBOD₅ will be included in the draft permit to be consistent with DEP's SOP. A year-round fecal coliform limit of 200 cfu/100 mL is recommended and is consistent with DEP's SOP. Also, pH monitoring frequency has changed from "Upon Request" to "1/month" according to Permit Writer's Manual (362-0400-001, Chapter 6 Page 10.) No water quality modeling is necessary since the dilution ratio is greater than 99,000:1 (stream flow to discharge flow.)

Chesapeake Bay Requirements

No nutrient monitoring requirement is recommended for this facility. Facilities that are designed based on a flow of less than or equal to 2,000 GPD or considered as SRSTPs are exempt from the Bay requirements.

303d Listed Streams:

The receiving stream is listed as attaining its designated uses.

Anti-Degradation Requirements

The discharge is to non-special protection waters/watershed. No HQ/EV waters are impacted by this discharge. The effluent limit for this discharge have been developed to ensure that existing in-stream water uses and the level of water quality necessary to protect the existing uses are maintained and protected.

Approve	Deny	Signatures	Date
X		<i>Jared Lescavage</i> Jared Lescavage / Project Manager	December 14, 2021
x		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	12/15/2021

Summary of Review

Class A Wild Trout Streams

No Class A Wild Trout Fishery is impacted by this discharge.

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.

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>.0004</u>
Latitude	<u>40° 12' 40.86"</u>	Longitude	<u>-77° 14' 29.76"</u>
Quad Name	_____	Quad Code	_____
Wastewater Description: <u>Sewage Effluent</u>		_____	
Receiving Waters	<u>Conodoguinet Creek (WWF, MF)</u>	Stream Code	<u>10194</u>
NHD Com ID	<u>56406665</u>	RMI	<u>41.64</u>
Drainage Area	<u>367.65</u>	Yield (cfs/mi ²)	_____
Q ₇₋₁₀ Flow (cfs)	<u>61.4</u>	Q ₇₋₁₀ Basis	<u>StreamStats</u>
Elevation (ft)	_____	Slope (ft/ft)	_____
Watershed No.	<u>7-B</u>	Chapter 93 Class.	<u>WWF, MF</u>
Existing Use	_____	Existing Use Qualifier	_____
Exceptions to Use	_____	Exceptions to Criteria	_____
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u>N/A</u>		
Source(s) of Impairment	<u>N/A</u>		
TMDL Status	_____	Name	_____
Background/Ambient Data		Data Source	
pH (SU)	_____	_____	
Temperature (°F)	_____	_____	
Hardness (mg/L)	_____	_____	
Other:	_____	_____	
Nearest Downstream Public Water Supply Intake	<u>CARLISLE BORO MUNI AUTH WATER SYS</u>		
PWS Waters	<u>Conodoguinet Creek</u>	Flow at Intake (cfs)	<u>48.4</u>
PWS RMI	<u>35.95</u>	Distance from Outfall (mi)	<u>5.7</u>

Changes Since Last Permit Issuance: None

Other Comments: N/A

Compliance History	
Summary of DMRs:	N/A
Summary of Inspections:	A violation was noted on August 31, 2018 for Tiger Properties not commencing construction of the SRSTP even after the initial permit was issued in 2008.

Other Comments: **N/A**

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	Report Daily Max	XXX	XXX	XXX	XXX	2/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Min Mo Avg	XXX	9.0 Avg Mo	XXX	1/month	Grab
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
CBOD5	XXX	XXX	XXX	10.0	XXX	20.0	2/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	2/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200.0 Geo Mean	XXX	XXX	2/year	Grab

Compliance Sampling Location: Outfall 001

Other Comments: N/A