

## Northeast Regional Office CLEAN WATER PROGRAM

Application Type
Facility Type
Major / Minor
Minor

# NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

 Application No.
 PA0063975

 APS ID
 521702

 Authorization ID
 1364846

	Applicant and	Facility Information			
Applicant Name	Thompson Borough Susquehanna County	Facility Name	Thompson Borough Susquehanna County		
Applicant Address	Water Street PO Box 89	Facility Address	Water Street		
	Thompson, PA 18465	<u></u>	Thompson, PA 18465		
Applicant Contact	Andrew Gardner	Facility Contact	Andrew Gardner		
Applicant Phone	(570) 727-1075	Facility Phone	(570) 727-1075		
Client ID	61954	Site ID	256670		
Ch 94 Load Status		Municipality	Thompson Borough		
Connection Status		County	Susquehanna		
Date Application Rece	ived August 10, 2021	EPA Waived?	Yes		
Date Application Accep	oted August 10, 2021	If No, Reason			

#### **Summary of Review**

The applicant is requesting renewal of an NPDES permit to discharge treated sewage up to discharge rate of 0.030 MGD. The receiving stream is Starrucca Creek, a Cold Water Fishery, Migratory Fishery (CWF-MF) designated receiving stream in State Water Plan watershed 04E (Great Bend Susquehanna River). Its designated use is for aquatic life, water supply and recreation. Per the Department's current existing use list, the receiving stream does not have an existing use classification that is more protective than the designated use. The discharge is not expected to affect public water supplies.

The effluent limits remain the same as the previous Permit. The CBOD<sub>5</sub>, TSS, Fecal Coliform, TRC, and pH limits are BPT-based. The Ammonia-Nitrogen limit is water quality-based. The facility utilizes ultraviolet disinfection as its primary method, with chlorine disinfection as an emergency backup. TRC limits will remain to allow for monitoring the emergency backup or other use of chlorine daily when applicable. The monitoring frequencies will remain as per Technical Guidance 362-0400-001 Table 6-3.

Reported sludge from other entities

Thompson Sludge use and disposal description and location: Other STPs

#### **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* 

Approve	Deny	Signatures	Date
Х		Bernard Feist (signed) Bernard Feist, P.E. / Environmental Engineer	September 16, 2021
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Environmental Engineer Manager	9-24-21

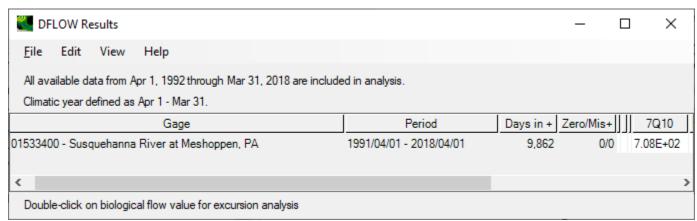
### **Summary of Review**

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.

The following violations must be resolved for a renewed Permit

VIOLATION ‡ DATE	VIOLATION CODE ‡	VIOLATION ‡	PF INSPECTOR
03/17/2021	92A.47(C)	NPDES - Illegal discharge to waters of the Commonwealth from a sanitary sewer overflow (SSO)	LACZI, CHRIS ctangular Snip
03/17/2021	91.33(A)	CSL - Failure to immediately report to DEP a pollution incident	LACZI,CHRIS
03/17/2021	302.1201	Operator Certification - Operator failed to comply with the Act or Chapter 302 regulations	LACZI,CHRIS
03/17/2021	302.1201	Operator Certification - Operator failed to comply with the Act or Chapter 302 regulations	LACZI,CHRIS

Outfall No. 001		Design Flow (MGD)	.03		
	1' 51.00"	Longitude	-75° 30' 27.00"		
Quad Name Tho	ompson	Quad Code	1 – 21.2		
Wastewater Descrip	otion: Sewage Effluent				
Receiving Waters	Starrucca Creek	Stream Code	32177		
NHD Com ID	43490643	RMI	14.5		
Drainage Area	5.08	Yield (cfs/mi²)	0.08		
Q <sub>7-10</sub> Flow (cfs)	0.4	Q <sub>7-10</sub> Basis	DFlow Gage 01533400		
Elevation (ft)	1542	Slope (ft/ft)	0.0179		
Watershed No.	4E	Chapter 93 Class.	CWF		
Existing Use	na	Existing Use Qualifier			
Exceptions to Use		Exceptions to Criteria			
Assessment Status	Attaining Use(s): aquatic	life, water supply and recreat	ion		



DFLOW Results for 01533400 - Susquehanna River at Meshoppen, PA STATION.--01533400 SUSQUEHANNA RIVER AT MESHOPPEN, PA

LOCATION.--Lat 4l\36'26", long 76\03'02", Wyoming County, Hydrologic Unit 02050106, on right bank 0.3 mi south of Meshoppen, 0.3 mi downstream from Meshoppen Creek, 2.3 mi upstream from bridge on State Highway 87, and 2.4 mi upstream from Mehoopany Creek.

DRAINAGE AREA.--8,720 square miles.

Low Flow yield = 708 cfs/ 8,720 square miles = 0.08

Outfall 001 RMI 14.5 NAD 1983 Latitude: 41.8636 (41 51 49)

NAD 1983 Longitude: -75.5067 (-75 30 25)

Drainage Area: 5.08 mi2 (1542 ft); Stream flow = 0.4 cfs

RMI 13.75 NAD 1983 Latitude: 41.8677 (41 52 04)

NAD 1983 Longitude: -75.4972 (-75 29 50)

Drainage Area: 7.93 mi2 (1471 ft)

#### **Treatment Facility Summary**

Treatment Facility Name: Thompson Borough WWTP

Supplemental Information

- (1) The hydraulic design capacity of 0.030 million gallons per day for the treatment facility is used to prepare the annual Municipal Wasteload Management Report to help determine whether a "hydraulic overload" situation exists, as defined in Title 25 Pa. Code Chapter 94.
- (2) The effluent limitations for Outfall 001 were determined using an effluent discharge rate of 0.03 MGD.
- (3) The organic design capacity of 55 lbs BOD5 per day for the treatment facility is used to prepare the annual Municipal Wasteload Management Report to determine whether an "organic overload" condition exists, as defined in 25 Pa. Code Chapter 94.

Development of Effluent Limitations									
Outfall No.	001	Design Flow (MGD)	.03						
Latitude	41° 51' 49.00"	Longitude	-75° 30' 29.00"						
Wastewater D	Description: Sewage Effl	uent							

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) and/or BPJ.

#### **Technology-Based Limitations**

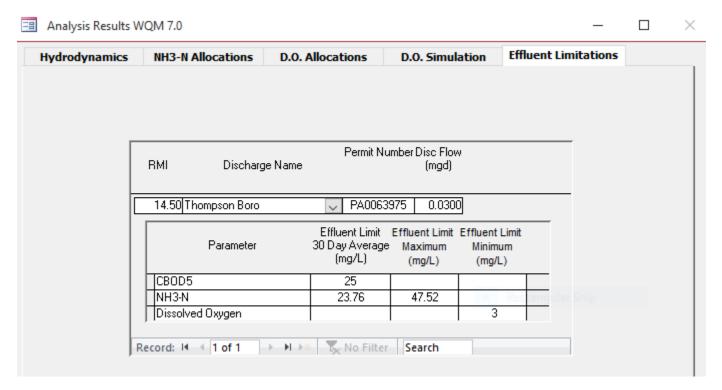
The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Parameter	Minimum	Average Monthly	Average Weekly	IMAX	Basis	
Flow (MGD)	XXX	Report	Report Max Daily	XXX	§§ 92a.27, 92a.61	
CBOD5 (mg/L)	XXX	25	40	50	§ 92a.47	
TSS (mg/L)	XXX	30	45	60	§ 92a.47	
TRC (mg/L)	XXX	0.5	XXX	1.6	§§ 92a.47-48	
NH3-N (mg/L)	XXX	25	XXX	50	BPJ	
D.O. (mg/L)	4	XXX	XXX	XXX	BPJ	
pH (SU)	6	XXX	XXX	9	§ 92a.47, § 95.2	
Total N (mg/L)	XXX	Report	XXX	XXX	§ 92a.61	
Total P (mg/L)	XXX	Report	XXX	XXX	§ 92a.61	
Fecal Coliform (No./100 ml) (May-Sept)	XXX	200 Geo Mean	xxx	1,000	§ 92a.47	
Fecal Coliform (No./100 ml) (Oct-April)	XXX	2,000 Geo Mean	XXX	10,000	§ 92a.47	
E. Coli (No./100 ml)*	XXX	XXX	XXX	Report	§ 92a.61	

<sup>\* 2021</sup> update - Sewage discharges will include monitoring, at a minimum, for E. Coli, in new and reissued permits, with a monitoring frequency of 1/month for design flows >= 1 MGD, 1/quarter for design flows >= 0.05 and < 1 MGD, 1/year for design flows of 0.002 – 0.05 MGD.

#### **Water Quality-Based Limitations**

The following limitations were determined through water quality modeling (output files attached):



TRC EVALU	JATION										
Input appropria	Input appropriate values in A3:A9 and D3:D9										
0.4	= Q stream	n (cfs)	0.5	= CV Daily							
0.03	= Q discha	arge (MGD)	0.5	= CV Hourly							
4	= no. samı	ples	1	= AFC_Partia	al Mix Factor						
0.3	= Chlorine	Demand of Stream	1	= CFC_Partia	al Mix Factor						
0	= Chlorine	Demand of Discharge	15	= AFC_Criter	ria Compliance Time (min)						
1	= BAT/BP.	J Value	720	= CFC_Criter	ria Compliance Time (min)						
0	= % Facto	r of Safety (FOS)		=Decay Coef	ficient (K)						
Source	Reference	AFC Calculations		Reference	CFC Calculations						
TRC	1.3.2.iii	WLA afc =	2.768	1.3.2.iii	WLA cfc = 2.691						
PENTOXSD TRG	5.1a	LTAMULT afc =	0.373	5.1c	LTAMULT cfc = 0.581						
PENTOXSD TRG	5.1b	LTA_afc=	1.032	5.1d	LTA_cfc = 1.565						
Source		Effluer	nt Limit Calcu	lations							
PENTOXSD TRG	5.1f		AML MULT =	1.720							
PENTOXSD TRG	5.1g	AVG MON L	IMIT (mg/l) =	1.000	BAT/BPJ						
		INST MAX L	IMIT (mg/l) =	2.340							

The existing Permit limits remain unchanged. The limits for TRC and ammonia-nitrogen are water quality-based. The TRC Spreadsheet incorporates a DEP "facility-specific BAT" based on the NERO POTW BAT for this size of facility, the lack of any subsequent upgrading or expansion, and no known chlorine impact on the receiving stream.

#### **Anti-Backsliding**

Retain existing Limits

#### **Compliance History**

#### DMR Data for Outfall 001 (from August 1, 2020 to July 31, 2021)

Dov. (RIGD)	Parameter	JUL- 21	JUN- 21	MAY- 21	APR- 21	MAR- 21	FEB- 21	JAN- 21	DEC- 20	NOV- 20	OCT- 20	SEP- 20	AUG- 20
Average Monthly	Flow (MGD)								20	20	20	20	20
Flow (MGD)		0.0232	0.0274	0.0265	0.0181	0.0224	0.0149	0.0158	0.0129	0.0129	0.0137	0.0133	0.0136
Daily Maxamum		0.0202	0.0274	0.0200	0.0101	0.0224	0.0140	0.0100	0.0120	0.0120	0.0107	0.0100	0.0100
PH (SLU)   Minimum   7.46   7.36   7.58   7.56   7.56   7.56   7.56   7.42   7.14   7.11   6.98   7.39   7.48     PH (SLU)   Minimum   8.01   8.02   7.91   7.91   7.92   7.92   8.22   8.22   7.68   8.11   8.39   8.56     TRC (mgL)   Minimum   8.01   8.02   7.91   7.91   7.92   7.92   8.22   8.22   7.68   8.11   8.39   8.56     TRC (mgL)   Minimum   8.01   8.02   7.91   7.91   7.92   7.92   8.22   8.22   7.68   8.11   8.39   8.56     TRC (mgL)   Minimum   8.01   8.02   7.91   7.91   7.92   7.92   8.22   8.22   7.68   8.11   8.39   8.56     TRC (mgL)   Minimum   8.01   8.02   7.91   7.91   7.92   7.92   8.22   8.22   7.68   8.11   8.39   8.56     TRC (mgL)   Minimum   8.01   8.02   7.91   7.91   7.92   7.92   8.22   8.22   7.68   8.11   8.39   8.56     TRC (mgL)   Minimum   8.01   8.02   7.91   7.91   7.92   7.92   8.22   8.22   7.68   8.11   8.39   8.56     TRC (mgL)   Minimum   8.01   8.02   7.91   7.91   7.92   7.92   8.22   8.22   7.68   8.11   8.39   8.56     TRC (mgL)   Minimum   7.46   7.91   7.91   7.92   7.92   8.22   8.22   7.68   8.11   8.39   8.56     TRC (mgL)   Minimum   7.46   7.91   7.91   7.92   7.92   8.22   8.22   7.68   8.11   8.39   8.56     TRC (mgL)   Minimum   7.46   7.91   7.91   7.92   7.92   8.22   8.22   7.68   8.11   8.39   7.20   7.0		0.0299	0.0298	0.0299	0.0263	0.0277	0.0195	0.0245	0.0135	0.0141	0.0156	0.0154	0.0158
Minimum	. ,	0.0200	0.0200	0.0200	0.0200	0.02	0.0.00	0.02.0	0.0.00	0.0	0.0.00	0.0.0.	0.0.00
H (SL U)		7.46	7.36	7.58	7.56	7.56	7.56	7.42	7.14	7.11	6.98	7.39	7.48
Maximum   8.01   8.02   7.91   7.91   7.92   7.92   8.22   8.22   7.68   8.11   8.39   8.56	pH (S.U.)												
Average Monthly   Co.1   Co.0   Co.00   Co.0		8.01	8.02	7.91	7.91	7.92	7.92	8.22	8.22	7.68	8.11	8.39	8.56
CBODS (liss/day)	TRC (mg/L)												
Average Monthly   0.80   <1.03   <0.50   <0.90   <0.80   <0.03   <0.50   <0.30   <0.40   <0.30   <0.40   <0.30   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.50   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.40   <0.		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CBODS (las/day)   Weekly Average   < 0.77													
Weeky Average   Co.77   1.6   Co.5   0.7   1.0   Co.5   0.6   Co.3   0.6   Co.3   Co.4   Co.5   Co		< 0.80	< 1.03	< 0.50	0.90	< 0.80	< 0.03	0.50	< 0.30	< 0.40	< 0.30	< 0.30	< 0.40
CBODS (mg/L)   CAUSING													
Average Monthly   C		< 0.7	1.6	< 0.5	0.7	1.0	< 0.5	0.6	< 0.3	0.6	0.3	< 0.4	0.5
CBODS (mg/L)   Weekly Average   <3.0   7.0   3.0   4.0   5.0   3.0   6.0   <3.0   5.0   3.0   <3.0   5.0   S.0													
Weekly Average   Sab		< 4.0	< 5.0	< 3.0	5.0	< 4.0	< 3.0	5.0	< 3.0	< 4.0	< 3.0	< 3.0	< 4.0
BODS (lbs/day)   Raw Sewage   Influent cbr/> Average Monthly   31   64   93   25   63   34   20   22   52   24   16   41   41   BODS (ng/L)   Raw Sewage   Influent cbr/> Average Monthly   138   274   420   144   328   309   192   200   478   213   156   372   TSS (lbs/day)   Raw Sewage   Influent cbr/> Average Monthly   1.58   <0.80   0.90   1.46   <1.71   <0.70   0.70   <0.60   <1.16   <0.60   0.70   0.90					4.0							0.0	- 0
Raw Sewage Influent cbt/s Average Monthly 31 64 93 25 63 34 20 22 52 24 16 41 Manual Average Monthly 31 64 93 25 63 34 20 22 52 24 16 41 Manual Average Monthly 31 64 93 25 63 34 20 22 52 24 16 41 Maximum 166 72 11 31 44 116 44 890 410 12 4 8 Maximum 166 72 11 31 4 4 116 44 890 410 12 4 8 Maximum 166 72 11 31 4 4 116 44 890 410 12 4 8 Maximum 166 72 11 31 4 4 116 44 890 410 12 4 8 Maximum 166 72 11 31 4 4 116 44 890 410 12 4 8 Maximum 166 72 11 31 4 4 116 44 890 410 12 4 8 Maximum 166 72 10 Annual Average Maximum 166 72 10		< 3.0	7.0	3.0	4.0	5.0	3.0	6.0	< 3.0	5.0	3.0	< 3.0	5.0
Influent cbr/s   Average Monthly   31   64   93   25   63   34   20   22   52   24   16   41													
Average Monthly   31   64   93   25   63   34   20   22   52   24   16   41													
BODS (mg/L)		31	64	03	25	63	3/1	20	22	52	24	16	//1
Raw Sewage   Name   N		31	04	33	20	0.5	34	20	22	32	24	10	41
Influent <a "="" doi.org="" href="https://doi.org/10.1008/journal-news-left-align: left-align: left-alig&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  Average Monthly&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  TSS (lbs/day)&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;138&lt;/td&gt;&lt;td&gt;274&lt;/td&gt;&lt;td&gt;420&lt;/td&gt;&lt;td&gt;144&lt;/td&gt;&lt;td&gt;328&lt;/td&gt;&lt;td&gt;309&lt;/td&gt;&lt;td&gt;192&lt;/td&gt;&lt;td&gt;200&lt;/td&gt;&lt;td&gt;478&lt;/td&gt;&lt;td&gt;213&lt;/td&gt;&lt;td&gt;156&lt;/td&gt;&lt;td&gt;372&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  Average Monthly&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  TSS (lbs/day)&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;1.58&lt;/td&gt;&lt;td&gt;&lt; 0.80&lt;/td&gt;&lt;td&gt;0.90&lt;/td&gt;&lt;td&gt;1.46&lt;/td&gt;&lt;td&gt;&lt; 1.71&lt;/td&gt;&lt;td&gt;&lt; 0.70&lt;/td&gt;&lt;td&gt;0.70&lt;/td&gt;&lt;td&gt;&lt; 0.60&lt;/td&gt;&lt;td&gt;&lt; 1.16&lt;/td&gt;&lt;td&gt;&lt; 0.60&lt;/td&gt;&lt;td&gt;0.70&lt;/td&gt;&lt;td&gt;0.90&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  Influent &lt; \( \sigma \)   S8&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  Average Monthly   58&lt;/td&gt;&lt;td&gt;Raw Sewage&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  TSS (lbs/day)   Weekly Average   1.73   &lt; 0.90   1.00   1.40   2.70   1.06   0.80   0.90   1.90   0.70   0.70   1.28   TSS (mg/L)   Average Monthly   7.0   &lt; 4.0   5.0   9.0   &lt; 6.0   7.0   &lt; 6.0   &lt; 11.0   &lt; 5.0   6.0   8.0   8.0   TSS (mg/L)   Raw Sewage Influent &lt;br/&gt;  Strong/L)   Raw Sewage Influent &lt;br/&gt;  Raw Sewage Influent &lt;br/&gt;  Raw Sewage Influent &lt;br/&gt;  Strong/L)   TSS (mg/L)   Total Nitrogen (mg/L)   Annual Average   Annual Average   Ammonia (lbs/day)   Annual Average   Ammonia (lbs/day)   Annual Average   Ammonia (lbs/day)   Ammonia (mg/L)   Ammon&lt;/td&gt;&lt;td&gt;Influent &lt;br/&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  Weekly Average&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;58&lt;/td&gt;&lt;td&gt;17&lt;/td&gt;&lt;td&gt;14&lt;/td&gt;&lt;td&gt;9&lt;/td&gt;&lt;td&gt;15&lt;/td&gt;&lt;td&gt;12&lt;/td&gt;&lt;td&gt;7&lt;/td&gt;&lt;td&gt;16&lt;/td&gt;&lt;td&gt;44&lt;/td&gt;&lt;td&gt;11&lt;/td&gt;&lt;td&gt;8&lt;/td&gt;&lt;td&gt;39&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  TSS (mg/L)&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  Average Monthly   7.0   &lt; 4.0   5.0   9.0   &lt; 9.0   &lt; 6.0   7.0   &lt; 6.0   &lt; 11.0   &lt; 5.0   6.0   8.0    &lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;1.73&lt;/td&gt;&lt;td&gt;&lt; 0.90&lt;/td&gt;&lt;td&gt;1.00&lt;/td&gt;&lt;td&gt;1.40&lt;/td&gt;&lt;td&gt;2.70&lt;/td&gt;&lt;td&gt;1.06&lt;/td&gt;&lt;td&gt;0.80&lt;/td&gt;&lt;td&gt;0.90&lt;/td&gt;&lt;td&gt;1.90&lt;/td&gt;&lt;td&gt;0.70&lt;/td&gt;&lt;td&gt;0.70&lt;/td&gt;&lt;td&gt;1.28&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  TSS (mg/L)   Raw Sewage   Influent &lt;a href=" https:="" like="">https://doi.org/like/<a href="https://doi.org/like/">https://doi.org/like/<a href="https://doi.org/like/">https://doi</a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a>													
Raw Sewage   Influent <a href="https://example.com/">Raw Sewage   Influent <a href="https://example.com/">Raw Sewage   Influent <a href="https://example.com/">Raw Sewage   Influent <a href="https://example.com/">Ray Sewage   Influent <a href="&lt;/td"><td>Average Monthly</td><td>7.0</td><td>&lt; 4.0</td><td>5.0</td><td>9.0</td><td>&lt; 9.0</td><td>&lt; 6.0</td><td>7.0</td><td>&lt; 6.0</td><td>&lt; 11.0</td><td>&lt; 5.0</td><td>6.0</td><td>8.0</td></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a>	Average Monthly	7.0	< 4.0	5.0	9.0	< 9.0	< 6.0	7.0	< 6.0	< 11.0	< 5.0	6.0	8.0
Influent   Average Monthly   238   73   65   49   75   98   69   151   402   97   71   353   75   75   75   75   75   75   7													
Average Monthly   238   73   65   49   75   98   69   151   402   97   71   353     TSS (mg/L)   Weekly Average   7.0   < 4.0   5.0   8.0   13.0   7.0   8.0   8.0   17.0   6.0   7.0   11.0     Fecal Coliform (CFU/100 ml)   Geometric Mean   26   < 8   1   6   < 2   < 22   13   < 60   < 10   10   < 4   < 6     Fecal Coliform (CFU/100 ml)   Geometric Mean   166   72   1   31   < 4   116   44   890   < 10   12   4   8     Nitrate-Nitrite (lbs/day)   Annual Average   12.75													
TSS (mg/L)   Weekly Average		220	72	GE.	40	75	00	60	151	402	07	71	252
Weekly Average         7.0         < 4.0         5.0         8.0         13.0         7.0         8.0         8.0         17.0         6.0         7.0         11.0           Fecal Coliform (CFU/100 ml) Geometric Mean         26         < 8		230	73	05	49	75	90	09	131	402	91	71	303
Fecal Coliform (CFU/100 ml)   Geometric Mean   26   <8   1   6   <2   <22   13   <60   <10   10   <4   <6		7.0	-40	5.0	8.0	13.0	7.0	8.0	8.0	17.0	6.0	7.0	11 0
CFU/100 ml)   Geometric Mean   26   <8   1   6   <2   <22   13   <60   <10   10   <4   <6   <6   <6   <6   <6   <6   <6		7.0	` ₹.∪	0.0	0.0	10.0	7.0	0.0	0.0	17.0	0.0	7.0	11.0
Geometric Mean   26   <8   1   6   <2   <22   13   <60   <10   10   <4   <6													
Fecal Coliform (CFU/100 ml)   Instantaneous   Maximum   166   72   1   31   < 4   116   44   890   < 10   12   4   8   8	( /	26	< 8	1	6	< 2	< 22	13	< 60	< 10	10	< 4	< 6
CFU/100 ml)   Instantaneous   Maximum   166   72   1   31   < 4   116   44   890   < 10   12   4   8   8   8   8   8   8   8   8   8	E 10 "												
Instantaneous Maximum  166  72  1  31  <4  116  44  890  <10  12  4  8  Nitrate-Nitrite (lbs/day) Annual Average  (lmg/L) Annual Average  Total Nitrogen (lbs/day) Annual Average  Total Nitrogen (mg/L) Annual Average  Total Nitrogen (mg/L) Annual Average  Total Nitrogen (mg/L) Annual Average  Ammonia (lbs/day) Average Monthly  Average Monthly  Annual (mg/L)  Ammonia (mg/L)													
Nitrate-Nitrite (lbs/day)													
(lbs/day)       Annual Average       12.75         Nitrate-Nitrite       (mg/L)         Annual Average       4.18         Total Nitrogen       (lbs/day)         Annual Average       0.71         Total Nitrogen       (mg/L)         Annual Average       6.99         Ammonia (lbs/day)       4.18         Annual Average       4.18		166	72	1	31	< 4	116	44	890	< 10	12	4	8
Annual Average       12.75         Nitrate-Nitrite (mg/L)       4.18         Annual Average       4.18         Total Nitrogen (lbs/day)       0.71         Annual Average       0.71         Total Nitrogen (mg/L)       6.99         Annual Average       6.99         Ammonia (lbs/day)       4.18         Annual Average       4.18         Annual Average       4.18         Annual Average       4.18         Annual Average       4.18         Ammonia (lbs/day)       4.18         Average Monthly       4.0.20         Ammonia (mg/L)       4.18													
Nitrate-Nitrite (mg/L) Annual Average	` ' ' '												
(mg/L)       Annual Average       4.18         Total Nitrogen       (lbs/day)         Annual Average       0.71         Total Nitrogen       (mg/L)         Annual Average       6.99         Ammonia (lbs/day)       4.18         Annual Average       4.18         Ammonia (lbs/day)       4.18         Annual Average       4.18         Ammonia (lbs/day)       4.18         Ammonia (mg/L)       4.18									12.75				
Annual Average													
Total Nitrogen (lbs/day) Annual Average  Total Nitrogen (mg/L) Annual Average  Ammonia (lbs/day) Average Monthly  Average Monthly  Ammonia (mg/L)  Ammonia (mg/L)  Ammonia (mg/L)  Ammonia (mg/L)									4.40				
(lbs/day) Annual Average  Total Nitrogen (mg/L) Annual Average  Ammonia (lbs/day) Average Monthly < 0.30									4.18				
Annual Average 0.71 0.71  Total Nitrogen (mg/L) Annual Average 6.99  Ammonia (lbs/day) Average Monthly < 0.30 0.20 0.09  Ammonia (mg/L)													
Total Nitrogen (mg/L) Annual Average Ammonia (lbs/day) Average Monthly < 0.30 0.20 0.09 Ammonia (mg/L)									0.71				
(mg/L)       Annual Average       6.99         Ammonia (lbs/day)       Co.10       Co.10       Co.10       Co.20         Ammonia (mg/L)       Co.10       Co.10       Co.20       Co.20									0.71				
Annual Average         6.99           Ammonia (lbs/day)            Average Monthly         < 0.30													
Ammonia (Ibs/day) Average Monthly < 0.30 0.20 0.09 < 0.10 < 0.10 < 0.20  Ammonia (mg/L)									6.99				
Average Monthly         < 0.30         0.20         0.09         < 0.10         < 0.10         < 0.20           Ammonia (mg/L)             < 0.10									0.00				
Ammonia (mg/L)		< 0.30	0.20	0.09							< 0.10	< 0.10	< 0.20
		< 1.4	0.8	0.5		<u> </u>	<u> </u>		<u> </u>	<u> </u>	< 1.0	< 1.0	< 1.5

TKN (lbs/day)						
Annual Average				8.88		
TKN (mg/L)						
Annual Average				2.8		
Total Phosphorus						
(lbs/day)						
Annual Average				1.25		
Total Phosphorus						
(mg/L)						
Annual Average				0.75		