

Application Type Renewal
Facility Type Municipal
Major / Minor Minor

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Application No. PA0228346
APS ID 1053846
Authorization ID 1380024

Applicant and Facility Information

Applicant Name	<u>Huston Township Municipal Authority Clearfield County</u>	Facility Name	<u>Huston Township Sewer System</u>
Applicant Address	<u>11837 Bennetts Valley Highway Penfield, PA 15849-5433</u>	Facility Address	<u>15588 Bennetts Valley Highway Penfield, PA 15849</u>
Applicant Contact	<u>Nellie Bundy</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 637-5070</u>	Facility Phone	<u>(814) 591-9874</u>
Client ID	<u>318115</u>	Site ID	<u>540871</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Huston Township</u>
Connection Status	<u>No Limitations</u>	County	<u>Clearfield</u>
Date Application Received	<u>December 27, 2021</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u></u>
Purpose of Application	<u></u>		

Summary of Review

Sludge use and disposal description and location(s):

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
		Jeffrey J. Gocek, E.I.T. / Project Manager	May 11, 2023
		Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.15</u>
Latitude	<u>41° 14' 28.07"</u>	Longitude	<u>-78° 32' 1.04"</u>
Quad Name	_____	Quad Code	_____
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Tyler Run (CWF)</u>	Stream Code	_____
NHD Com ID	<u>61432018</u>	RMI	_____
Drainage Area	_____	Yield (cfs/mi ²)	_____
Q ₇₋₁₀ Flow (cfs)	_____	Q ₇₋₁₀ Basis	_____
Elevation (ft)	_____	Slope (ft/ft)	_____
Watershed No.	<u>8-A</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	_____	Existing Use Qualifier	_____
Exceptions to Use	_____	Exceptions to Criteria	_____
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>METALS, PH</u>		
Source(s) of Impairment	<u>ACID MINE DRAINAGE, ACID MINE DRAINAGE</u>		
TMDL Status	<u>Final</u>	Name	<u>Bennett Branch Sinnemahoning Creek</u>
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:

Other Comments:

Treatment Facility Summary				
Treatment Facility Name: Huston Township Municipal Authority Sewer System STP				
WQM Permit No.		Issuance Date		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary With Total Nitrogen Reduction	Extended Aeration	Hypochlorite	0.15
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.225	290	Not Overloaded	Aerobic Digestion	Other WWTP

Changes Since Last Permit Issuance:

Other Comments:

Compliance History	
Summary of DMRs:	[REDACTED]
Summary of Inspections:	[REDACTED]

Other Comments: [REDACTED]

Compliance History

DMR Data for Outfall 001 (from April 1, 2022 to March 31, 2023)

Parameter	MAR-23	FEB-23	JAN-23	DEC-22	NOV-22	OCT-22	SEP-22	AUG-22	JUL-22	JUN-22	MAY-22	APR-22
Flow (MGD) Average Monthly	0.0361	0.0306	0.0404	0.0342	0.0347	0.0319	0.035	0.0325	0.0381	0.0461	0.0407	0.0364
Flow (MGD) Weekly Average	0.0402	0.0362	0.0501	0.0366	0.0397	0.0397	0.0448	0.0368	0.0424	0.0599	0.0494	0.0396
pH (S.U.) Minimum	6.7	6.7	6.7	6.8	6.8	6.7	6.5	6.6	6.7	6.6	6.9	6.89
pH (S.U.) Instantaneous Maximum	7.2	7.1	7.2	7.5	7.5	7.4	7.4	7.3	7.4	7.2	7.3	7.3
DO (mg/L) Minimum	1	1.05	1.05	1.02	0.82	1.01	0.94	1	0.86	0.88	0.83	0.93
CBOD5 (lbs/day) Average Monthly	1	1	2	0.9	< 0.6	< 0.7	< 0.5	< 0.5	< 1	2	< 1	1
CBOD5 (lbs/day) Weekly Average	2	1	4	1	0.9	1	0.6	0.7	< 2	2	1	2
CBOD5 (mg/L) Average Monthly	4.0	5.0	1.0	4.0	< 2.0	< 3.0	< 2.0	< 2.0	< 4.0	4.0	< 3.0	3.0
CBOD5 (mg/L) Weekly Average	5.0	6.0	5.0	6.0	3.0	6.0	3.0	3.0	< 6.0	5.0	5.0	4.0
BOD5 (mg/L) Influent Average Monthly	248	300	256	253	269	245	182	186	297	350	316	305
TSS (lbs/day) Average Monthly	3	3	5	2	2	1	1	1	1	5	2	2
TSS (lbs/day) Weekly Average	4	4	9	3	2	1	2	2	2	7	2	2
TSS (mg/L) Average Monthly	9.0	15.0	14.0	11.0	7.0	5.0	6.0	4.0	5.0	13.0	5.0	5.0
TSS (mg/L) Influent Average Monthly	144	175	187	161	138	180	131	162	228	235	199	195
TSS (mg/L) Weekly Average	15.0	19.0	19.0	14.0	10.0	7.0	10.0	6.0	6.0	14.0	5.0	6.0
Fecal Coliform (No./100 ml) Geometric Mean	< 1	23	< 24	4	< 2	< 1	< 2	< 8	< 11	< 2	< 7	< 2

**NPDES Permit Fact Sheet
Huston Township Sewer System**

NPDES Permit No. PA0228346

Fecal Coliform (No./100 ml) Instantaneous Maximum	4	2419.6	2419.6	6.3	7.5	4.1	5.2	204.6	140.8	14.5	> 2419.6	4.1
UV Transmittance (%) Minimum	47.1	42.6	41.3	27.3	30.4	41.4	35.1	47.9	26.2	35.1	42.7	47.6
Ammonia (lbs/day) Average Monthly	5	5	6	0.9	1	0.8	0.8	0.7	2	4	8	6
Ammonia (mg/L) Average Monthly	15.42	20.91	15.95	3.951	4.951	4.178	3.216	2.756	7.179	9.9	20.15	19.01
Total Aluminum (lbs/day) Average Monthly				< 0.3								
Total Aluminum (mg/L) Average Monthly				< 0.1								
Total Iron (lbs/day) Average Monthly				< 0.6								
Total Iron (mg/L) Average Monthly				< 0.2								
Total Manganese (lbs/day) Average Monthly				0.2								
Total Manganese (mg/L) Average Monthly				0.723								

Compliance History

Effluent Violations for Outfall 001, from: May 1, 2022 To: March 31, 2023

Parameter	Date	SBC	DMR Value	Units	Limit Value	Units
Fecal Coliform	05/31/22	IMAX	> 2419.6	No./100 ml	1000	No./100 ml

Summary of Inspections:

Other Comments:

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** .15
Latitude 41° 14' 30.67" **Longitude** -78° 32' 0.75"
Wastewater Description: Sewage Effluent

Technology-Based Limitations

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

Pollutant	Limit (mg/l)	SBC	Federal Regulation	State Regulation
CBOD ₅	25	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
	40	Average Weekly	133.102(a)(4)(ii)	92a.47(a)(2)
Total Suspended Solids	30	Average Monthly	133.102(b)(1)	92a.47(a)(1)
	45	Average Weekly	133.102(b)(2)	92a.47(a)(2)
pH	6.0 – 9.0 S.U.	Min – Max	133.102(c)	95.2(1)
Fecal Coliform (5/1 – 9/30)	200 / 100 ml	Geo Mean	-	92a.47(a)(4)
Fecal Coliform (5/1 – 9/30)	1,000 / 100 ml	IMAX	-	92a.47(a)(4)
Fecal Coliform (10/1 – 4/30)	2,000 / 100 ml	Geo Mean	-	92a.47(a)(5)
Fecal Coliform (10/1 – 4/30)	10,000 / 100 ml	IMAX	-	92a.47(a)(5)
Total Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)

Comments:

Water Quality-Based Limitations

A “Reasonable Potential Analysis” (Attachment) determined the following parameters were candidates for limitations:

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

Parameter	Limit (mg/l)	SBC	Model
			

Comments:

Best Professional Judgment (BPJ) Limitations

Comments:

Anti-Backsliding

