

Application Type Amendment, Major
Facility Type Non-Municipal
Major / Minor Minor

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Application No. PA0030295 A-1
APS ID 1042784
Authorization ID 1360971

Applicant and Facility Information

Applicant Name	<u>Commodore Perry School District</u>	Facility Name	<u>Commodore Perry School</u>
Applicant Address	<u>3002 Perry Highway</u> <u>Hadley, PA 16130-2628</u>	Facility Address	<u>3002 Perry Highway</u> <u>Hadley, PA 16130-2628</u>
Applicant Contact	<u>Kenneth Jewell (Superintendent)</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 253-3255</u>	Facility Phone	<u></u>
Client ID	<u>23962</u>	Site ID	<u>257748</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Perry Township</u>
Connection Status	<u>No Limitations</u>	County	<u>Mercer</u>
Date Application Received	<u>July 1, 2021</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>July 19, 2021</u>	If No, Reason	<u></u>
Purpose of Application	<u>Permit amendment to change sampling type for CBOD5, TSS, and ammonia nitrogen.</u>		

Summary of Review

The permittee is requesting to change the required sampling type for CBOD5, TSS and ammonia nitrogen in their current NPDES Permit from an "8-hour composite" to "Grab." This is due to the fact that they currently do not have a composite sampler installed upon which to take composite samples.

Although the Department's Permit Writers Manual suggests 8-hour composites for a design hydraulic flow of this type, the Department is open to changing the sampling type for the above mentioned parameters given the actual recorded discharge flows and the periods of actual contributing sewage flows. The sampling type for CBOD5, TSS, and ammonia nitrogen will be changed to "Grab" in this permit amendment. No other changes to the permit are being proposed at this time.

There is currently one open violation listed in EFACTS for this Permittee (1/19/2023) under the Safe Drinking Water Program.

Sludge use and disposal description and location(s): Sludge is hauled offsite to another WWTP.

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		Adam J. Pesek Adam J. Pesek, E.I.T. / Project Manager	January 19, 2023
X		Chad W. Yurisc, P.E. Chad W. Yurisc, P.E. / Environmental Engineer Manager	January 26, 2023

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0092
Latitude	41° 25' 35.2"	Longitude	-80° 12' 25.4"
Quad Name	Hadley	Quad Code	03034
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary of Little Shenango River (Millner Run)	Stream Code	36274
NHD Com ID	130028303	RMI	0.6
Drainage Area	0	Yield (cfs/mi ²)	0 (dry); 0.05288 (perennial) Dry Stream; L. Shenango River @ Greenville Gage
Q ₇₋₁₀ Flow (cfs)	0	Q ₇₋₁₀ Basis	
Elevation (ft)		Slope (ft/ft)	0.024
Watershed No.	20-A	Chapter 93 Class.	TSF
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)	7.41	WQN 913 (2000-2015)	
Temperature (°C)	25	Default (TSF)	
Hardness (mg/L)			
Other:	0.046	WQN 913 (2000-2015)	
Nearest Downstream Public Water Supply Intake	Greenville Municipal Authority		
PWS Waters	Shenango River	Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	19

Changes Since Last Permit Issuance:

Other Comments: Design flow is based on an 8-hour runoff period.

Treatment Facility Summary				
Treatment Facility Name: Commodore Perry School				
WQM Permit No.		Issuance Date		
361S18 A-1		6/28/2017		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary With Ammonia Reduction	Activated Sludge	Hypochlorite	0.0092
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.0092	87.25	Not Overloaded		Other WWTP

Changes Since Last Permit Issuance:

Other Comments:

Compliance History

DMR Data for Outfall 001 (from December 1, 2021 to November 30, 2022)

Parameter	NOV-22	OCT-22	SEP-22	AUG-22	JUL-22	JUN-22	MAY-22	APR-22	MAR-22	FEB-22	JAN-22	DEC-21
Flow (MGD) Average Monthly	00	00	00			E	FF	FF	FF	E	FF	FF
Flow (MGD) Daily Maximum	00	00	00			E	FF	FF	FF	E	FF	FF
pH (S.U.) Daily Minimum	6.65	6.57	6.48			6.7	6.5	6.8	6.7	6.6	6.6	6.8
pH (S.U.) Daily Maximum	8.48	8.21	8.28			7.2	7.3	7.2	7.4	7.3	7.2	7.3
DO (mg/L) Daily Minimum	7.64	6.61	5.31			4.6	4.2	4.6	4.6	4.4	3.9	3.0
TRC (mg/L) Average Monthly	0.2	0.1	0.1			< 0.2	0.1	< 0.10	< 0.1	< 0.2	0.2	0.4
TRC (mg/L) Instantaneous Maximum	0.22	0.18	0.12			0.2	0.2	0.2	0.2	0.29	0.3	0.9
CBOD5 (mg/L) Average Monthly	< 4.0	4.4	5.4			4.1	6.2	5.7	4.0	< 4.0	4.0	4.0
TSS (mg/L) Average Monthly	19.3	9.0	17.8			< 8.5	33.5	17.8	6.8	11.0	10.8	17.8
Fecal Coliform (No./100 ml) Geometric Mean	< 1	< 3.0	817			> 1774	432	< 110	> 49	762	98	49
Fecal Coliform (No./100 ml) Instantaneous Maximum	1	< 9.0	> 2420			> 2420	2420	2420	2420	2420	2420	2420
Total Nitrogen (mg/L) Daily Maximum												3.66
Ammonia (mg/L) Average Monthly	0.3	< 0.30	0.5			< 1.7	0.2	< 0.3	< 0.3	< 2.0	0.5	0.3
Total Phosphorus (mg/L) Daily Maximum												6.69

Compliance History

Effluent Violations for Outfall 001, from: January 1, 2022 To: November 30, 2022

Parameter	Date	SBC	DMR Value	Units	Limit Value	Units
DO	01/31/22	Daily Min	3.9	mg/L	4.0	mg/L
TSS	05/31/22	Avg Mo	33.5	mg/L	30.0	mg/L
Fecal Coliform	05/31/22	Geo Mean	432	No./100 ml	200	No./100 ml
Fecal Coliform	06/30/22	Geo Mean	> 1774	No./100 ml	200	No./100 ml
Fecal Coliform	09/30/22	Geo Mean	817	No./100 ml	200	No./100 ml
Fecal Coliform	03/31/22	Geo Mean	> 49	No./100 ml	2000	No./100 ml
Fecal Coliform	05/31/22	IMAX	2420	No./100 ml	1000	No./100 ml
Fecal Coliform	09/30/22	IMAX	> 2420	No./100 ml	1000	No./100 ml
Fecal Coliform	06/30/22	IMAX	> 2420	No./100 ml	1000	No./100 ml

Summary of Inspections: Last inspection was conducted on 1/21/2021. No violations were reported during that inspection. However, numerous incidents of non-compliance were noted related to O&M, recordkeeping, and bypass bar screen was not installed.

Other Comments:

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	1/week	Measured
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0 Daily Max	XXX	3/week	Grab
DO	XXX	XXX	4.0 Daily Min	XXX	XXX	XXX	3/week	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.6	3/week	Grab
CBOD5	XXX	XXX	XXX	25.0	XXX	50	2/month	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60	2/month	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	2/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/month	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Grab
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	13.5	XXX	27	2/month	Grab
Ammonia May 1 - Oct 31	XXX	XXX	XXX	4.5	XXX	9	2/month	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001 (after disinfection)