Pennsylvania Department of Environmental Protection

Northwest Regional Office
CLEAN WATER PROGRAM

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application Type	**Renewal**	Application No.	**PA0100757**
Facility Type	**Non-Municipal**	APS ID	**1128986**
Major / Minor	**Minor**	Authorization ID	**1512562**

Applicant and Facility Information

Applicant Name	**Trinity Real Estate Holdings LLC**	Facility Name	**Country Corner RV Park**
Applicant Address	PO Box 22	Facility Address	Georgetown Road & Route 173
	Cochranton, PA 16314-0022		New Lebanon, PA 16145
Applicant Contact	Toby Kopta	Facility Contact	
Applicant Phone	(814) 425-2299	Facility Phone	
Client ID	305277	Site ID	451529
Ch 94 Load Status	Not Overloaded	Municipality	New Lebanon Borough
Connection Status	No Limitations	County	Mercer
Date Application Received	January 14, 2025	EPA Waived?	Yes
Date Application Accepted		If No, Reason	

Purpose of Application: This is an application to renew an NPDES Permit for an RV Park in Mercer County.

Summary of Review

The existing treatment at the facility consists of (WQM Permit No. 4380406): Comminutor with bypass screen, aeration, settling, disinfection, and aerated sludge holding.

Act 14 – Notifications were submitted and received.

There are currently 2 open violations at the facility in WMS for the subject Client ID (305277) as of 12/9/25. The open violations consist of two open violations with the Clean Water Program with one occurring in 2021 for Operator Certification and the other occurring on 11/12/25 for failure to pay annual fee. These open violations will be included in the cover letter in hopes the permittee rectifies the open violations prior to issuance.

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		Dustin Hargenrater Dustin Hargenrater / Project Manager	December 9, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	December 17, 2025

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.02
Latitude	41º 24' 38.66"	Longitude	-80º 4' 19.26"
Quad Name	New Lebanon	Quad Code	41080D1
Wastewater Description:	Effluent		

Receiving Waters	Mill Creek (CWF)	Stream Code	51965
NHD Com ID	127351462	RMI	8.66
Drainage Area	3.52	Yield (cfs/mi^2)	0.039
Q_{7-10} Flow (cfs)	0.137	Q_{7-10} Basis	USGS - StreamStats
Elevation (ft)	1287	Slope (ft/ft)	---
Watershed No.	16-D	Chapter 93 Class.	CWF
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)	7.0	Default
Temperature (°F)	20	Default – CWF
Hardness (mg/L)	100	Default
Other:		

Nearest Downstream Public Water Supply Intake		Aqua Pennsylvania Inc. – Emlenton	
PWS Waters	Allegheny River	Flow at Intake (cfs)	1,376
PWS RMI	90.0	Distance from Outfall (mi)	52.8

Changes Since Last Permit Issuance: No changes to the facility during the last permit term.

Treatment Facility Summary

Treatment Facility Name: Country Corner Rv Park

WQM Permit No.	Issuance Date
4380406	1/22/2010
4380406 T-1	10/30/2013

Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Extended Aeration	Chlorine With Dechlorination	0.02

Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.02	17.4	Not Overloaded	Aerobic Digestion	Other WWTP

Changes Since Last Permit Issuance: No changes since last permit issuance.

Compliance History

DMR Data for Outfall 001 (from November 1, 2024 to October 31, 2025)

Parameter	OCT-25	SEP-25	AUG-25	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24
Flow (MGD) Average Monthly	0.004	0.004	0.004	0.005	0.004	0.005	0.003	0.002	0.003	0.005	0.003	0.003
pH (S.U.) Daily Minimum	7.1	6.75	6.08	6.16	6.87	6.89	7.1	7.06	7.08	7.04	7.09	6.77
pH (S.U.) Daily Maximum	7.52	7.32	7.04	7.09	7.28	7.38	7.27	7.31	7.28	7.3	7.43	7.55
DO (mg/L) Daily Minimum	4.77	4.63	5.21	5.02	5.8	6.68	6.27	6.49	6.51	6.27	5.87	5.6
TRC (mg/L) Average Monthly	0.22	0.16	0.35	0.12	0.16	0.20	0.18	0.13	0.13	0.13	0.13	0.12
TRC (mg/L) Instantaneous Maximum	0.33	0.19	0.71	0.15	0.36	0.31	0.29	0.22	0.22	0.22	0.22	0.26
CBOD5 (mg/L) Average Monthly	< 2.0	< 2.4	< 2.4	< 2.4	< 2.4	< 3.1	< 2.4	< 2.2	< 2.3	< 2.2	< 2.4	< 2.4
TSS (mg/L) Average Monthly	< 7.0	6.6	6.6	6.2	< 2.5	6.5	4.0	< 3.3	< 2.5	11.0	< 2.5	< 2.5
Fecal Coliform (No./100 ml) Geometric Mean	< 29.0	< 19.0	< 3.0	< 1.0	< 1.0	< 3.0	3.0	< 1.0	< 6.0	< 3.0	3.0	< 1
Total Nitrogen (mg/L) Average Monthly	6.87	< 12.18	< 20.92	< 18.81	10.732	< 9.977	4.6	< 9.295	7.273	< 7.134	< 4.124	< 4.423
Ammonia (mg/L) Average Monthly	< 0.2	< 0.1	0.2	0.9	2.6	< 2.4	< 1.0	1.2	2.2	< 1.5	< 0.2	< 0.1
Total Phosphorus (mg/L) Average Monthly	0.9	2.1	3.6	3.0	1.7	1.7	0.9	1.1	1.0	0.9	0.7	0.4

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** .02
Latitude 41º 24' 39.11" **Longitude** -80º 4' 20.11"
Wastewater Description: 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)

Water Quality-Based Limitations

The discharge was modeled using WQM 7.0 v 1.1, and the TRC_CALC model. The WQM 7.0 model uses a mass balance equation using in-stream data for Q_{7-10}, Yield, Drainage Area, average concentration data for pH from the facility, and discharge rate of the facility. It then uses these values to calculate WQBELs for CBOD5, Ammonia-Nitrogen, and Dissolved Oxygen. The TRC_CALC model takes into consideration the Q_{7-10} of the receiving stream and the discharge rate and uses a mass balance approach to calculate WQBELs for Total Residual Chlorine.

With the use of these models no new WQBELs are being proposed. The WQBELs produced by the model are less stringent than the current limits and due to the anti-backsliding regulations found in the Clean Water Act Section 402(o)(1), the existing limits are not able to be rolled back.

Best Professional Judgment (BPJ) Limitations

E. Coli monitoring will be added in accordance with the SOP for Establishing Effluent Limitations for Individual Sewage Permits on a 1/year basis. According to the SOP, 1/year testing is recommended for facilities between 0.002 MGD and 0.05 MGD.

Total Nitrogen and Total Phosphorous monitoring will be reduced to yearly monitoring. The Department was originally implementing an increased sampling frequency due to wanting to collect data across the state to determine the nutrient load to PA Waters. Since the facility is not in the Chesapeake Bay watershed and the receiving waters are not impaired for nutrients the Phase 2 WIP Wastewater Supplement report outlines a plan to reduce monitoring frequencies for Phase 4 and 5 facilities which is designed as facilities with a design of <0.4 MGD.

Anti-Backsliding

Outfall 001, Continued (from August 1, 2020 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	XXX	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0 Daily Max	XXX	1/day	Grab
Dissolved Oxygen	XXX	XXX	4.0 Daily Min	XXX	XXX	XXX	1/day	Grab
Total Residual Chlorine (TRC)	XXX	XXX	XXX	0.43	XXX	1.43	1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5)	XXX	XXX	XXX	25	XXX	50	2/month	8-Hr Composite
Total Suspended Solids	XXX	XXX	XXX	30	XXX	60	2/month	8-Hr Composite
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	Report	XXX	XXX	2/month	8-Hr Composite
Ammonia-Nitrogen Nov 1 - Apr 30	XXX	XXX	XXX	Report	XXX	XXX	2/month	8-Hr Composite
Ammonia-Nitrogen May 1 - Oct 31	XXX	XXX	XXX	7.5	XXX	15	2/month	8-Hr Composite
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	2/month	8-Hr Composite

The highlighted limits will be retained with this permit renewal as they were determined to be more stringent than limits produced by the modeling efforts

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" (386-0400-001), 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	XXX	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0 Daily Max	XXX	1/day	Grab
DO	XXX	XXX	4.0 Daily Min	XXX	XXX	XXX	1/day	Grab
TRC	XXX	XXX	XXX	0.43	XXX	1.43	1/day	Grab
CBOD5	XXX	XXX	XXX	25	XXX	50	2/month	8-Hr Composite
TSS	XXX	XXX	XXX	30	XXX	60	2/month	8-Hr Composite
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
E. Coli (No./100 ml)	XXX	XXX	XXX	Report Daily Max	XXX	XXX	1/year	Grab
Total Nitrogen	XXX	XXX	XXX	Report Daily Max	XXX	XXX	1/year	8-Hr Composite
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	Report	XXX	XXX	2/month	8-Hr Composite
Ammonia May 1 - Oct 31	XXX	XXX	XXX	7.5	XXX	15	2/month	8-Hr Composite
Total Phosphorus	XXX	XXX	XXX	Report Daily Max	XXX	XXX	1/year	8-Hr Composite

Compliance Sampling Location: Outfall 001, after disinfection.

Attachment 1
WQM 7.0 Modeling

Input Data WQM 7.0

SWP Basin	Stream Code	Stream Name	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope (ft/ft)	PWS Withdrawal (mgd)	Apply FC
16D	51965	MILL CREEK	**8.660**	1287.00	3.52	0.00000	0.00	☑

Stream Data

Design Cond.	LFY (cfsm)	Trib Flow (cfs)	Stream Flow (cfs)	Rch Trav Time (days)	Rch Velocity (fps)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Tributary Temp (°C)	Tributary pH	Stream Temp (°C)	Stream pH
Q7-10	0.039	0.00	0.00	0.000	0.000	0.0	0.00	0.00	20.00	7.00	0.00	0.00
Q1-10		0.00	0.00	0.000	0.000							
Q30-10		0.00	0.00	0.000	0.000							

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	Disc Temp (°C)	Disc pH
Country Corner	PA0100757	0.0200	0.0000	0.0000	0.000	25.00	7.00

Parameter Data

Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/days)
CBOD5	25.00	2.00	0.00	1.50
Dissolved Oxygen	4.00	8.24	0.00	0.00
NH3-N	25.00	0.00	0.00	0.70

Input Data WQM 7.0

SWP Basin	Stream Code	Stream Name	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope (ft/ft)	PWS Withdrawal (mgd)	Apply FC
16D	51965	MILL CREEK	8.160	1273.00	4.08	0.00000	0.00	☑

Stream Data

Design Cond.	LFY (cfsm)	Trib Flow (cfs)	Stream Flow (cfs)	Rch Trav Time (days)	Rch Velocity (fps)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Tributary Temp (°C)	Tributary pH	Stream Temp (°C)	Stream pH
Q7-10	0.039	0.00	0.00	0.000	0.000	0.0	0.00	0.00	20.00	7.00	0.00	0.00
Q1-10		0.00	0.00	0.000	0.000							
Q30-10		0.00	0.00	0.000	0.000							

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	Disc Temp (°C)	Disc pH
		0.0000	0.0000	0.0000	0.000	25.00	7.00

Parameter Data

Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/days)
CBOD5	25.00	2.00	0.00	1.50
Dissolved Oxygen	3.00	8.24	0.00	0.00
NH3-N	25.00	0.00	0.00	0.70

WQM 7.0 Hydrodynamic Outputs

SWP Basin	Stream Code	Stream Name
16D	51965	MILL CREEK

RMI	Stream Flow (cfs)	PWS With (cfs)	Net Stream Flow (cfs)	Disc Analysis Flow (cfs)	Reach Slope (ft/ft)	Depth (ft)	Width (ft)	W/D Ratio	Velocity (fps)	Reach Trav Time (days)	Analysis Temp (°C)	Analysis pH
Q7-10 Flow												
8.660	0.14	0.00	0.14	.0309	0.00530	.386	7.39	19.17	0.06	0.518	20.92	7.00
Q1-10 Flow												
8.660	0.09	0.00	0.09	.0309	0.00530	NA	NA	NA	0.05	0.629	21.30	7.00
Q30-10 Flow												
8.660	0.19	0.00	0.19	.0309	0.00530	NA	NA	NA	0.07	0.448	20.71	7.00

WQM 7.0 Modeling Specifications

Parameters	Both	Use Inputted Q1-10 and Q30-10 Flows	☑
WLA Method	EMPR	Use Inputted W/D Ratio	☐
Q1-10/Q7-10 Ratio	0.64	Use Inputted Reach Travel Times	☐
Q30-10/Q7-10 Ratio	1.36	Temperature Adjust Kr	☑
D.O. Saturation	90.00%	Use Balanced Technology	☑
D.O. Goal	5		

WQM 7.0 Wasteload Allocations

SWP Basin	Stream Code	Stream Name
16D	51965	MILL CREEK

NH3-N Acute Allocations

RMI	Discharge Name	Baseline Criterion (mg/L)	Baseline WLA (mg/L)	Multiple Criterion (mg/L)	Multiple WLA (mg/L)	Critical Reach	Percent Reduction
8.660	Country Corner	15.05	50	15.05	50	0	0

NH3-N Chronic Allocations

RMI	Discharge Name	Baseline Criterion (mg/L)	Baseline WLA (mg/L)	Multiple Criterion (mg/L)	Multiple WLA (mg/L)	Critical Reach	Percent Reduction
8.660	Country Corner	1.8	12.68	1.8	12.68	0	0

Dissolved Oxygen Allocations

RMI	Discharge Name	CBOD5		NH3-N		Dissolved Oxygen		Critical Reach	Percent Reduction
		Baseline (mg/L)	Multiple (mg/L)	Baseline (mg/L)	Multiple (mg/L)	Baseline (mg/L)	Multiple (mg/L)		
8.66	Country Corner	25	25	12.68	12.68	4	4	0	0

WQM 7.0 D.O.Simulation

SWP Basin	Stream Code	Stream Name
16D	51965	MILL CREEK

RMI	Total Discharge Flow (mgd)	Analysis Temperature (°C)	Analysis pH
8.660	0.020	20.920	7.000
Reach Width (ft)	**Reach Depth (ft)**	**Reach WDRatio**	**Reach Velocity (fps)**
7.393	0.386	19.168	0.059
Reach CBOD5 (mg/L)	**Reach Kc (1/days)**	**Reach NH3-N (mg/L)**	**Reach Kn (1/days)**
6.23	0.976	2.33	0.751
Reach DO (mg/L)	**Reach Kr (1/days)**	**Kr Equation**	**Reach DO Goal (mg/L)**
7.463	19.399	Owens	5
Reach Travel Time (days)			
0.518			

Subreach Results

TravTime (days)	CBOD5 (mg/L)	NH3-N (mg/L)	D.O. (mg/L)
0.052	5.91	2.24	7.88
0.104	5.61	2.16	8.06
0.155	5.32	2.08	8.10
0.207	5.05	2.00	8.10
0.259	4.79	1.92	8.10
0.311	4.54	1.85	8.10
0.363	4.31	1.78	8.10
0.414	4.09	1.71	8.10
0.466	3.88	1.64	8.10
0.518	3.68	1.58	8.10

WQM 7.0 Effluent Limits

SWP Basin	Stream Code	Stream Name
16D	51965	MILL CREEK

RMI	Name	Permit Number	Disc Flow (mgd)	Parameter	Effl. Limit 30-day Ave. (mg/L)	Effl. Limit Maximum (mg/L)	Effl. Limit Minimum (mg/L)
8.660	Country Corner	PA0100757	0.020	CBOD5	25		
				NH3-N	12.68	25.36	
				Dissolved Oxygen			4

Attachment 2
TRC_CALC Modeling

TRC_CALC

TRC EVALUATION

Input appropriate values in A3:A9 and D3:D9

0.137	= Q stream (cfs)	0.5	= CV Daily
0.03	= Q discharge (MGD)	0.5	= CV Hourly
30	= 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)
0	= % Factor of Safety (FOS)	0	=Decay Coefficient (K)

Source	Reference	AFC Calculations		Reference	CFC Calculations	
TRC	1.3.2.iii	WLA afc =	0.961	1.3.2.iii	WLA cfc =	0.929
PENTOXSD TRG	5.1a	LTAMULT afc =	0.373	5.1c	LTAMULT cfc =	0.581
PENTOXSD TRG	5.1b	LTA_afc=	0.358	5.1d	LTA_cfc =	0.540

Source		Effluent Limit Calculations		
PENTOXSD TRG	5.1f	AML MULT =	1.231	
PENTOXSD TRG	5.1g	AVG MON LIMIT (mg/l) =	0.441	AFC
		INST MAX LIMIT (mg/l) =	1.441	

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)**