



Application Type

Renewal

Facility Type

Non-Municipal

Major / Minor

Minor

Application No.

**PA0045187**

APS ID

**1134038**

Authorization ID

**1521212**

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SEWAGE**

**Applicant and Facility Information**

Applicant Name	<b>Richland Comm LLC</b>	Facility Name	<b>Richland Meadows MHP STP</b>
Applicant Address	232 Yankee Road	Facility Address	232 Yankee Road Lot 500
	Quakertown, PA 18951		Quakertown, PA 18951-5325
Applicant Contact	Lee Williams	Facility Contact	Timothy Mong
Applicant Phone	(215) 536-6084	Facility Phone	(215) 872-1980
Client ID	112977	Site ID	238709
Ch 94 Load Status	Not Overloaded	Municipality	Richland Township
Connection Status	No Limitations	County	Bucks
Date Application Received	March 7, 2025	EPA Waived?	Yes
Date Application Accepted		If No, Reason	
Purpose of Application	Renewal application.		

**Summary of Review**

The permittee has submitted a renewal application to discharge sewage from their facility into Morgan Creek (TSF, MF) through Outfall 001.

The facility is serving Richland Meadows Mobile Home Park.

It consists of 2 equalization tanks; 1<sup>st</sup> stage aeration tank; 1<sup>st</sup> stage clarifier; 2<sup>nd</sup> stage aeration tank; 2<sup>nd</sup> stage clarifier; tertiary chlorine contact tank; sana filters; dichlorination.

Based on the recent site visit conducted by DEP and dated 3/13/25, following stated in inspection report:

*"There are more than 400 residential units in the MHP. The majority of the collection system is original and is of clay or transite construction. No major projects to reduce I&I are anticipated in the future but Mr. Rice stated that old lateral sections and damaged pipes are replaced as tenants turn over, and obvious inflow issues such as roof leaders plumbed to the sewer or broken/buried vents are corrected."*

No major issues are noted.

The review of the effluent sampling results revealed no non-compliance issues for last year.

No changes in influent or effluent characteristics and previously established effluent limits and monitoring requirements will be proposed in exception of quarterly reporting for E.coli based on recent statewide requirement (listed on pp7-8).

Development of Effluent Limitations is listed in p. 6 of this factsheet.

Approve	Deny	Signatures	Date
X		<i>Begay Omuralieva</i> Begay Omuralieva / Environmental Engineering Specialist	August 13, 2025
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	08/13/2025

### Summary of Review

#### Act Notification 14:

Bucks County Planning Commission – March 7, 2025

Richland TWP – March 7, 2025

Sludge use and disposal description and location(s): Lehigh Co Tretreatment facility

#### 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, Receiving Waters and Water Supply Information**

Outfall No.	001	Design Flow (MGD)	.08
Latitude	40° 24' 27.42"	Longitude	-75° 21' 47.41"
Quad Name		Quad Code	
Wastewater Description:	Sewage Effluent		
Receiving Waters	Morgan Creek (TSF, MF)	Stream Code	03184
NHD Com ID	26053504	RMI	3.5100
Drainage Area		Yield (cfs/mi <sup>2</sup> )	
Q <sub>7-10</sub> Flow (cfs)		Q <sub>7-10</sub> Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	2-D	Chapter 93 Class.	TSF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	NUTRIENTS, SILTATION HIGHWAY/ROAD/BRIDGE RUNOFF (NON-CONSTRUCTION RELATED), RURAL (RESIDENTIAL AREAS)		
Source(s) of Impairment			
TMDL Status	final	Name	Nockamixon Lake TMDL
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: none

**Treatment Facility Summary**

**Treatment Facility Name:** Richland Meadows MHP STP

WQM Permit No.	Issuance Date
0900416	12/28/2000

Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Tertiary	Extended Aeration With Solids Removal	Chlorine With Dechlorination	0.08
<hr/>				
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.08	1	Not Overloaded	Dewatering	Other WWTP

Changes Since Last Permit Issuance: none

Compliance History

DMR Data for Outfall 001 (from July 1, 2024 to June 30, 2025)

Parameter	JUN-25	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24
Flow (GPD) Average Monthly	54904	48750	37801	50894	63293	55965	45780	41373	35347	45494	51806	47424
pH (S.U.) Instantaneous Minimum	6.8	7.0	6.8	6.8	7.0	6.7	6.7	6.6	6.7	6.6	6.6	6.5
pH (S.U.) Instantaneous Maximum	7.2	7.1	7.1	7.3	7.3	7.2	7.2	7.0	6.9	7.0	6.9	7.0
DO (mg/L) Instantaneous Minimum	7.1	7.1	7.1	7.0	7.2	7.3	7.0	6.9	7.1	7.0	6.7	6.6
TRC (mg/L) Average Monthly	0.002	0.003	0.003	0.001	0.0016	0.0016	0.002	0.002	0.001	0.0003	0.0016	0.0013
TRC (mg/L) Instantaneous Maximum	0.01	0.02	0.02	0.1	0.2	0.01	0.02	0.02	0.01	0.01	0.01	0.01
CBOD5 (lbs/day) Average Monthly	0.92	2.5	0.6	0.85	2.1	1.4	0.8	1.0	0.59	0.8	0.86	0.80
CBOD5 (lbs/day) Raw Sewage Influent   Average Monthly	63	25	19	66	38	53	68	50	54	53	75	69
CBOD5 (mg/L) Average Monthly	2	2	2	2	4	3.0	2	3	2	2	2	2
CBOD5 (mg/L) Raw Sewage Influent   Average Monthly	137	63	59	155	100	143	147	144	184	146	173	175
TSS (lbs/day) Average Monthly	12	2	2	2	6	4.7	0.2	2.1	0.88	1.5	1.7	1.2
TSS (lbs/day) Raw Sewage Influent   Average Monthly	26	18	12	155	25	48	52	40	27	47	86	84
TSS (mg/L) Average Monthly	26	6	6	4	12	10	0.6	6	3	4	4	3

TSS (mg/L) Raw Sewage Influent   Average Monthly	57	45	39	364	60	120	112	116	90	134	198	212
Total Dissolved Solids (mg/L) Average Quarterly	335			286			330			196		
Fecal Coliform (No./100 ml) Geometric Mean	6	24	17	3	72	1	1	1	1	1	1	1
Fecal Coliform (No./100 ml) Instantaneous Maximum	25	550	19	6	137	1	1	1	1	1	1	1
Total Nitrogen (lbs/day) Average Monthly	4.7	9	5.4	6	7	6.1	4.2	4.9	4.9	9.5	7.2	4.6
Total Nitrogen (mg/L) Average Monthly	10	9	17	15	12.5	13.1	10.9	14.3	16.5	25.1	16.6	11.7
Ammonia (lbs/day) Average Monthly	0.15	0.09	0.07	0.07	0.44	0.014	0.02	0.024	0.027	0.10	0.03	0.41
Ammonia (mg/L) Average Monthly	0.12	0.23	0.21	0.16	0.83	0.03	0.04	0.07	0.09	0.27	0.07	1.0
Total Phosphorus (lbs/day) Average Monthly	0.24	0.14	0.08	0.11	0.20	0.12	0.042	0.041	0.032	0.08	0.048	0.08
Total Phosphorus (mg/L) Average Monthly	0.11	0.34	0.25	0.28	0.32	0.26	0.11	0.12	0.11	0.20	0.11	0.21

Compliance History

**Development of Effluent Limitations**

**Outfall No.** 001  
**Latitude** 40° 24' 27.34"  
**Wastewater Description:** Sewage Effluent

**Design Flow (MGD)** .08  
**Longitude** -75° 21' 53.13"

The following are the effluent limits:

Parameter	Average Monthly Limits (mg/l)	Basis
CBOD <sub>5</sub> (05-01 to 10-31)	5	Dry Stream Discharge
CBOD <sub>5</sub> (11-01 to 04-30)	10	Dry Stream Discharge
Suspended Solids	30	Dry Stream Discharge
Ammonia as N (05-01 to 10-31)	1.0	Dry Stream Discharge
Ammonia as N (11-01 to 04-30)	3.0	Dry Stream Discharge
Phosphorus as P	0.5	TMDL for Lake Nockamixon
Fecal Coliform	200 #/100 ml	DRBC
Dissolved Oxygen	6.0 Minimum	Chapter 92a.47
pH (STD Units)	6.0-9.0 SU at all times	Chapter 92a.47
Total Residual Chlorine	0.2	TRC Spreadsheet
Total Dissolved Solids	Report Ave Qrtly	DRBC
Total Nitrogen	Report	DRBC
Nitrite as N	Report	DRBC
E.Coli	Report Ave. Qrtly	Recent statewide requirement

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (GPD)	Report	XXX	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
DO	XXX	XXX	6.0 Inst Min	XXX	XXX	XXX	1/day	Grab
TRC	XXX	XXX	XXX	0.2	XXX	0.6	1/day	Grab
CBOD5 Raw Sewage Influent	Report	XXX	XXX	Report	XXX	XXX	2/month	24-Hr Composite
CBOD5 Nov 1 - Apr 30	6.6	XXX	XXX	10	XXX	20	2/month	24-Hr Composite
CBOD5 May 1 - Oct 31	3.3	XXX	XXX	5	XXX	10	2/month	24-Hr Composite
TSS	20	XXX	XXX	30	XXX	60	2/month	24-Hr Composite
TSS Raw Sewage Influent	Report	XXX	XXX	Report	XXX	XXX	2/month	24-Hr Composite
Total Dissolved Solids	XXX	XXX	XXX	Report Avg Qrtly	XXX	XXX	1/quarter	24-Hr Composite
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	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 Avg Qrtly	XXX	Report	1/quarter	Grab

Outfall 001, Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Total Nitrogen	Report	XXX	XXX	Report	XXX	XXX	1/month	24-Hr Composite
Ammonia Nov 1 - Apr 30	2.0	XXX	XXX	3.0	XXX	9	2/month	24-Hr Composite
Ammonia May 1 - Oct 31	0.66	XXX	XXX	1.0	XXX	3	2/month	24-Hr Composite
Total Phosphorus	0.33	XXX	XXX	0.5	XXX	1	2/month	24-Hr Composite

Compliance Sampling Location: Outfall 001

Approve	Deny	Signatures	Date
X		<i>Begay Omuralieva</i> Begay Omuralieva / Environmental Engineering Specialist	August 13, 2025
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	08/13/2025