Pennsylvania Department of Environmental Protection

Southeast Regional Office
CLEAN WATER PROGRAM

NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE

Application Type	**Renewal**	Application No.	**PA0244538**
Facility Type		APS ID	**1138517**
Major / Minor	**Minor**	Authorization ID	**1529223**

Applicant and Facility Information

Applicant Name	**Buckmans Inc.**	Facility Name	**Buckmans Inc.**
Applicant Address	105 Airport Road	Facility Address	105 Airport Road
	Pottstown, PA 19464-3438		Pottstown, PA 19464-3438
Applicant Contact	Jeff Coyle	Facility Contact	Brian Good
Applicant Phone	(610) 495-7495	Facility Phone	(610) 495-7495
Client ID	72881	Site ID	614892
Ch 94 Load Status		Municipality	Limerick Township
Connection Status		County	Montgomery
Date Application Received	June 2, 2025	EPA Waived?	Yes
Date Application Accepted		If No, Reason	
Purpose of Application	Renewal		

Summary of Review

The PADEP received a NPDES permit renewal application from Liberty Environmental, Inc. on June 02, 2025 on behalf of Buckman's Inc. for their Airport Road Facility located at 105 Airport Rd., Pottstown. PA in Limerick Township, Montgomery County. This is a minor Industrial Waste facility without ELG with an average annual design flow of 0.012 MGD and discharges industrial wastewater, stormwater, and uncontaminated groundwater to Possum Hollow Creek.

The facility manufactures sodium hypochlorite for industrial and household uses such as swimming pools, etc. Wastewater generated by the manufacturing process is discharged to the municipal sewer system for treatment at Limerick Township's Possum Hollow STP, unless pH levels are high, in which case it is transported to Pottstown Borough STP. To remove silica, present in the facility's raw water supply, a reverse osmosis (RO) treatment system is used. The concentrate is discharged to a drainage swale and pond through Outfall 001, located along the southwest side of the facility, which ultimately discharges to Possum Hollow Run, tributary to the Schuylkill River. The RO concentrate is the only industrial wastewater from the facility that is discharged under the NPDES permit. There are three basins on the property that receive stormwater runoff (Outfalls 002, 003, 005 and 006). There is also an existing spring/groundwater discharge (Outfall 004), located adjacent to Outfall 001, which is included in the permit with no monitoring requirements.

For the process waste discharged through Outfall 001, monitoring requirements are unchanged from the current permit. Outfall 001 receives only reject water from the RO system. The design flow of the system is 0.012 mgd. The facility uses potable water from an onsite well in the process. Current permit includes limits for Total Dissolved Solids (TDS), Total Suspended Solids (TSS), pH, and Total Residual Chlorine (TRC). Limits for those pollutants are TDS = 2000 mg/l based on Ch. 95.10(c), TSS = 30 mg/l as a monthly average (secondary treatment), pH = 6-9 SU (Ch. 95.2(1)), and TRC = 0.5 mg/l as a monthly average (Ch. 92a.48(b)(2)).

Outfall 002 receives stormwater from the office and manufacturing building roof drains concrete loading areas, a paved delivery tanker vehicle and car parking area/material storage areas, as well as additional paved and unpaved surfaces on the

Approve	Deny	Signatures	Date
x		*Vasantha* Vasantha Palakurti / Environmental Engineering Specialist	October 9, 2025
		Pravin C. Patel, P.E. / Environmental Engineer Manager	

Summary of Review

southwest portion of the site. Outfall 003 receives stormwater from the warehouse building roof drains, material loading and container storage areas, as well as paved and unpaved surfaces and grass areas on the northwest portion of the site. Outfall 004 is listed as a groundwater spring, located near 001. Outfall 005 receives stormwater from the warehouse building roof drains, concrete material loading and container storage area, a paved truck parking area, an asphalt car parking area, as well as paved and unpaved surfaces and grass areas on the western portion of the site. Outfall 006 receives stormwater from recently (2023) expanded Warehouse D area that includes Warehouse D, gravel parking lot, grass lawns, and new stormwater Basin D, near the southeastern side of the existing facility.

The reporting requirements for Outfalls 002, 003, 005 and recently added 006 shall be as per requirements for industrial facilities with SIC code of 2819 with the applicable PAG-03 Appendix F (Chemicals and Allied Products - Industrial Inorganic Chemicals). *As per the revised Appendix F, Total Nitrogen is added to all the respective outfalls.* The monitoring requirements for Fecal Coliform and Oil and Grease will continue for the renewal. Monitor frequency of once per year will remain in this permit renewal.

As per the updated SOP "BCW-PMT-001", quarterly monitoring is added in Part A in this renewal for PFOA, PFOS, PBFS or HFPO-DA and condition PFOS reduction plan on Part C of this permit.

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)	0.012
Latitude	40º 14' 5"	Longitude	-75º 33' 8"
Quad Name	Pottstown	Quad Code	1740
Wastewater Description:	Effluent		

Receiving Waters	Possum Hollow Run (WWF, MF)	Stream Code	01640
NHD Com ID	25989264	RMI	2.5
Drainage Area	0.24 mi^2	Yield (cfs/mi^2)	0.1
Q_{7-10} Flow (cfs)	0.024	Q_{7-10} Basis	Previous fact sheet
Elevation (ft)	290	Slope (ft/ft)	
Watershed No.	3-D	Chapter 93 Class.	WWF, MF
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	**NONE**	Name	

Discharge, Receiving Waters and Water Supply Information

Outfall No.	002	Design Flow (MGD)	0
Latitude	40º 14' 6"	Longitude	-75º 33' 10"
Quad Name	Pottstown	Quad Code	1740
Wastewater Description:	Stormwater		

Discharge, Receiving Waters and Water Supply Information

Outfall No.	003	Design Flow (MGD)	0
Latitude	40º 14' 14"	Longitude	-75º 33' 6"
Quad Name	Pottstown	Quad Code	1740
Wastewater Description:	Stormwater		

Discharge, Receiving Waters and Water Supply Information

Outfall No.	005	Design Flow (MGD)	0
Latitude	40º 14' 11"	Longitude	-75º 33' 11"
Quad Name	Pottstown	Quad Code	1740
Wastewater Description:	Stormwater		

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	006	Design Flow (MGD)	0
Latitude	40º 14' 15.6"	Longitude	-75º 32' 58.35"
Quad Name	Pottstown	Quad Code	1740
Wastewater Description:	Stormwater		

Note: All discharges flow through drainage swales (pond below 001) for a short distance prior to Possum Hollow Run.

Changes Since Last Permit Issuance: Stormwater outfall 006 was added in 2023. No other changes were reported in the renewal application in terms of Treatment/outfalls related to NPDES permit for this facility since the last permit issuance.

Compliance History	
Summary of DMRs:	There were no exceedances during 2024
Summary of Inspections:	A maintenance shed in the 003 area has 2 uncontained IBC totes of DEF. The condition is a violation of the NPDES Permit Part C, II, C, 4, b regarding Spill Prevention and Responses, and the PA Clean Streams Law. Storm flow from a salt storage pile located off of the 006 collection area and also from the southwestern “watershed D” collection area are not addressed by the NPDES Permit and may require the creation of two new stormwater outfalls.
Response from the Facilty	On 10/20/2025, facility confirmed that the totes containing DEF in the shed to the east of “Warehouse A” have been placed on secondary containment pallets. Additionally, the salt storage pile was a temporary storage pile and has since been removed from the site.

Compliance History

DMR Data for Outfall 001 (from September 1, 2024 to August 31, 2025)

Parameter	AUG-25	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24
Flow (MGD) Average Monthly	0.00566	0.0070381	0.0065299	0.0070381	0.008037	0.009454516100	0.0107035	0.007166	0.0036755	0.00555371	0.006088	0.006035
Flow (MGD) Daily Maximum	0.007233	0.009488	0.008465	0.009488	0.11311	0.0013457	0.013963	0.011761	0.010644	0.010352	0.007903	0.007549
pH (S.U.) Instantaneous Minimum	7.77	7.63	7.09	7.63	7.68	7.4	6.6	7.4	7.48	7.72	7.22	7.74
pH (S.U.) Instantaneous Maximum	7.02	7.74	7.76	7.74	7.82	7.8	7.81	7.89	8.12	7.95	7.97	7.91
TRC (mg/L) Average Monthly	0.125	0.134	0.1	0.1375	0.13	0.1175	0.12	0.0975	0.085	0.11333	0.1375	0.085
TRC (mg/L) Instantaneous Maximum	0.15	0.14	0.15	0.14	0.15	0.15	0.15	0.14	0.12	0.15	0.15	0.12
TSS (mg/L) Average Monthly	< 2.65	2.6	2.65	2.65	2.633	< 2.7	< 2.6	2.7	2.6	< 2.5	< 2.6	< 2.6
TSS (mg/L) Daily Maximum	< 2.7	2.7	2.7	2.7	< 2.7	< 2.7	2.7	2.7	2.7	< 2.5	< 2.7	< 2.7
Total Dissolved Solids (mg/L) Average Monthly	860.0	795.0	560.0	660.0	763.33	535.0	490.0	695.0	1000.00	1300.0	1050.00	1150.00
Total Dissolved Solids (mg/L) Daily Maximum	890.0	910.0	690.0	690.0	820.0	660.0	550.0	750.0	1200.00	1300.0	1100.00	1200.00

DMR Data for Outfall 002 (from September 1, 2024 to August 31, 2025)

Parameter	AUG-25	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24
pH (S.U.) Daily Maximum									GG			
COD (mg/L) Daily Maximum									< 0.01			
TSS (mg/L) Daily Maximum									GG			

Oil and Grease (mg/L) Daily Maximum									GG			
Fecal Coliform (No./100 ml) Daily Maximum									GG			
Nitrate-Nitrite (mg/L) Daily Maximum									GG			
Total Phosphorus (mg/L) Daily Maximum									GG			
Total Aluminum (mg/L) Daily Maximum									GG			
Total Iron (mg/L) Daily Maximum									GG			
Total Lead (mg/L) Daily Maximum									GG			
Total Zinc (mg/L) Daily Maximum									GG			

DMR Data for Outfall 003 (from September 1, 2024 to August 31, 2025)

Parameter	AUG-25	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24
pH (S.U.) Daily Maximum									6.73			
COD (mg/L) Daily Maximum									21.1			
TSS (mg/L) Daily Maximum									94.5			
Oil and Grease (mg/L) Daily Maximum									< 4.8			
Fecal Coliform (No./100 ml) Daily Maximum									811			
Nitrate-Nitrite (mg/L) Daily Maximum									< 1.00			
Total Phosphorus (mg/L) Daily Maximum									0.24			
Total Aluminum (mg/L) Daily Maximum									4.78			

Total Iron (mg/L) Daily Maximum									5.25			
Total Lead (mg/L) Daily Maximum									0.011			
Total Zinc (mg/L) Daily Maximum									0.454			

DMR Data for Outfall 005 (from September 1, 2024 to August 31, 2025)

Parameter	AUG-25	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24
pH (S.U.) Daily Maximum									7.39			
COD (mg/L) Daily Maximum									26.4			
TSS (mg/L) Daily Maximum									71.5			
Oil and Grease (mg/L) Daily Maximum									< 4.9			
Fecal Coliform (No./100 ml) Daily Maximum									2900			
Nitrate-Nitrite (mg/L) Daily Maximum									< 1.00			
Total Phosphorus (mg/L) Daily Maximum									0.34			
Total Aluminum (mg/L) Daily Maximum									2.55			
Total Iron (mg/L) Daily Maximum									3.08			
Total Lead (mg/L) Daily Maximum									< 0.010			
Total Zinc (mg/L) Daily Maximum									< 0.100			

DMR Data for Outfall 006 (from September 1, 2024 to August 31, 2025)

Parameter	AUG-25	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24
pH (S.U.) Daily Maximum									6.87			

COD (mg/L) Daily Maximum									35.3			
TSS (mg/L) Daily Maximum									9.5			
Oil and Grease (mg/L) Daily Maximum									< 4.9			
Fecal Coliform (No./100 ml) Daily Maximum									3600			
Nitrate-Nitrite (mg/L) Daily Maximum									3.46			
Total Phosphorus (mg/L) Daily Maximum									0.16			
Total Aluminum (mg/L) Daily Maximum									0.295			
Total Iron (mg/L) Daily Maximum									0.445			
Total Lead (mg/L) Daily Maximum									< 0.050			
Total Zinc (mg/L) Daily Maximum									0.5			

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	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Metered
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/week	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.2	1/week	Grab
TSS	XXX	XXX	XXX	30.0	60.0	75	2/month	8-Hr Composite
Total Dissolved Solids	XXX	XXX	XXX	2000.0	4000.0	5000	2/month	8-Hr Composite
PFOA (ng/L)*	XXX	XXX	XXX	Report Avg Qrtly	XXX	XXX	1/quarter	Grab
PFOS (ng/L)*	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
PFBS (ng/L) *	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
HFPO-DA (ng/L) *	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab

Proposed Effluent Limitations and Monitoring Requirements

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Outfall 002, 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	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Nitrate-Nitrite	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Total Lead	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab

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 003, 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	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Nitrate-Nitrite	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Lead	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab

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 005, 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	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Nitrate-Nitrite	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Lead	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab

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 006, 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	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Nitrate-Nitrite	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Lead	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab

Pennsylvania
Department of
Environmental Protection

Approve	Deny	Signatures	Date
x		*Vasantha* Vasantha Palakurti / Environmental Engineering Specialist	October 9, 2025
		Pravin C. Patel, P.E. / Environmental Engineer Manager	