

Application Type Renewal  
Facility Type Industrial  
Major / Minor Minor

**NPDES PERMIT FACT SHEET  
INDIVIDUAL INDUSTRIAL WASTE (IW)  
AND IW STORMWATER**

Application No. PA0054089  
APS ID 1056349  
Authorization ID 1384412

**Applicant and Facility Information**

Applicant Name	<u>Limerick Aviation LP</u>	Facility Name	<u>Pottstown Limerick Airport</u>
Applicant Address	<u>600 Horizon Drive</u> <u>Chalfont, PA 18914</u>	Facility Address	<u>3310 W Ridge Avenue</u> <u>Pottstown, PA 19464</u>
Applicant Contact	<u>Lee Stranburg</u>	Facility Contact	<u>Christopher Jordan</u>
Applicant Phone	<u>(215) 997-8850</u>	Facility Phone	<u>(610) 495-7000</u>
Client ID	<u>273154</u>	Site ID	<u>452248</u>
SIC Code	<u>4581</u>	Municipality	<u>Limerick Township</u>
SIC Description	<u>Trans. &amp; Utilities - Airports, Flying Fields, And Services</u>	County	<u>Montgomery</u>
Date Application Received	<u>January 26, 2022</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u></u>
Purpose of Application	<u>.Permit renewal</u>		

**Summary of Review**

The applicant has submitted renewal application for industrial stormwater discharge from Pottstown Limerick Airport to unnamed tributary of Hartenstein Creek and Possum Hollow Run through Outfalls 001, 002, 003, 004, 005, 006, 007 and 008.

Two oil/water separators in series are on the facility at outfall 001. They were last cleaned out on August 10, 2020.

No update is being proposed.

The latest inspection was conducted on 12/06/2021 by Paul Jardel.

Per the inspection report, no compliance issue were identified.

The facility plans an expansion to the west that will add hanger space and may introduce a vehicle rental business to the site. A wash bay is planned to be installed that will lead to a holding tank since;

- 1) the facility is not hooked up to a sanitary sewer,
- 2) It is not likely that the onsite septic system could manage the volume of wastewater,
- 3) Discharge of a wastewater through outfall 001 is not permitted.

The facility has a septic system that is located to the west of the hanger, in a field outside of the fence. The facility washes only a few airplanes/copters that may be located inside of the hanger. Although the facility uses a special gentle soap that has a low environmental impact, the material remains a polluting substance

Public Participation

Approve	Deny	Signatures	Date
X		<i>Charley Yang</i> Charley Yang / NPDES Permit Section	August 19, 2022
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Chief, NPDES Permit Section	08/22/2022

**Summary of Review**

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		
Latitude	40° 13' 3.55"	Longitude	-75° 33' 56.02"
Quad Name		Quad Code	
Wastewater Description: Stormwater runoff from Fueling and aircraft washing areas			
Receiving Waters	UNT to Hartenstein Creek	Stream Code	01644
NHD Com ID	25989312	RMI	
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.	3-D	Chapter 93 Class.	WWF

Changes Since Last Permit Issuance: none

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	003		
Latitude	40° 14' 13.35"	Longitude	-75° 33' 13.11"
Quad Name		Quad Code	
Wastewater Description: Stormwater			
Receiving Waters	Possum Hollow Run	Stream Code	
NHD Com ID	25989264	RMI	
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.	3-D	Chapter 93 Class.	WWF

Changes Since Last Permit Issuance: none

Compliance History

DMR Data for Outfall 001 (from July 1, 2021 to June 30, 2022)

Parameter	JUN-22	MAY-22	APR-22	MAR-22	FEB-22	JAN-22	DEC-21	NOV-21	OCT-21	SEP-21	AUG-21	JUL-21
pH (S.U.) Instantaneous Minimum	7.49			6.88			7.42			7.04		
pH (S.U.) Instantaneous Maximum	7.49			6.88			7.42			7.04		
BOD5 (mg/L) Daily Maximum	18.0						2.2					
COD (mg/L) Daily Maximum	88.0						25					
TSS (mg/L) Daily Maximum	34.0						17					
Total Dissolved Solids (mg/L) Daily Maximum	180.0						10					
Oil and Grease (mg/L) Instantaneous Maximum	< 5.0			< 5.0			< 5.0			< 5.0		
TRPH (mg/L) Daily Maximum	< 5.0			< 5.0			< 5.0			< 5.0		
Ammonia (mg/L) Daily Maximum	0.57						< 0.1					
Total Phosphorus (mg/L) Daily Maximum							0.14					
Gasoline Range Organics (mg/L) Daily Maximum	< 0.05			< 0.05			< 0.05			< 0.05		
Diesel Range Organics (mg/L) Daily Maximum	1.5			< 0.1			0.79			0.18		

DMR Data for Outfall 003 (from July 1, 2021 to June 30, 2022)

Parameter	JUN-22	MAY-22	APR-22	MAR-22	FEB-22	JAN-22	DEC-21	NOV-21	OCT-21	SEP-21	AUG-21	JUL-21
pH (S.U.) Daily Maximum	7.80						6.71					
BOD5 (mg/L) Daily Maximum	2.2						7.8					
COD (mg/L) Daily Maximum	< 25						< 25					
TSS (mg/L) Daily Maximum	7.0						11					
Total Dissolved Solids (mg/L) Daily Maximum	69						91					
Ammonia (mg/L) Daily Maximum	0.07						0.12					

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
BOD5	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Dissolved Solids	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	XXX	30	1/quarter	Grab
TRPH	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab
Ammonia	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Gasoline Range Organics	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab
Diesel Range Organics	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab

Compliance Sampling Location: Outfall 001

Other Comments: None

**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 003, 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	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
BOD5	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Dissolved Solids	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Ammonia	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 003

Other Comments: Outfall 003 is a representative outfall for Outfalls 002, 004, 005, 006, 007 and 008

Tools and References Used to Develop Permit	
<input type="checkbox"/>	WQM for Windows Model (see Attachment [redacted])
<input type="checkbox"/>	Toxics Management Spreadsheet (see Attachment [redacted])
<input type="checkbox"/>	TRC Model Spreadsheet (see Attachment [redacted])
<input type="checkbox"/>	Temperature Model Spreadsheet (see Attachment [redacted])
<input type="checkbox"/>	Water Quality Toxics Management Strategy, 361-0100-003, 4/06.
<input type="checkbox"/>	Technical Guidance for the Development and Specification of Effluent Limitations, 362-0400-001, 10/97.
<input type="checkbox"/>	Policy for Permitting Surface Water Diversions, 362-2000-003, 3/98.
<input type="checkbox"/>	Policy for Conducting Technical Reviews of Minor NPDES Renewal Applications, 362-2000-008, 11/96.
<input type="checkbox"/>	Technology-Based Control Requirements for Water Treatment Plant Wastes, 362-2183-003, 10/97.
<input type="checkbox"/>	Technical Guidance for Development of NPDES Permit Requirements Steam Electric Industry, 362-2183-004, 12/97.
<input type="checkbox"/>	Pennsylvania CSO Policy, 385-2000-011, 9/08.
<input type="checkbox"/>	Water Quality Antidegradation Implementation Guidance, 391-0300-002, 11/03.
<input type="checkbox"/>	Implementation Guidance Evaluation & Process Thermal Discharge (316(a)) Federal Water Pollution Act, 391-2000-002, 4/97.
<input type="checkbox"/>	Determining Water Quality-Based Effluent Limits, 391-2000-003, 12/97.
<input type="checkbox"/>	Implementation Guidance Design Conditions, 391-2000-006, 9/97.
<input type="checkbox"/>	Technical Reference Guide (TRG) WQM 7.0 for Windows, Wasteload Allocation Program for Dissolved Oxygen and Ammonia Nitrogen, Version 1.0, 391-2000-007, 6/2004.
<input type="checkbox"/>	Interim Method for the Sampling and Analysis of Osmotic Pressure on Streams, Brines, and Industrial Discharges, 391-2000-008, 10/1997.
<input type="checkbox"/>	Implementation Guidance for Section 95.6 Management of Point Source Phosphorus Discharges to Lakes, Ponds, and Impoundments, 391-2000-010, 3/99.
<input type="checkbox"/>	Technical Reference Guide (TRG) PENTOXSD for Windows, PA Single Discharge Wasteload Allocation Program for Toxics, Version 2.0, 391-2000-011, 5/2004.
<input type="checkbox"/>	Implementation Guidance for Section 93.7 Ammonia Criteria, 391-2000-013, 11/97.
<input type="checkbox"/>	Policy and Procedure for Evaluating Wastewater Discharges to Intermittent and Ephemeral Streams, Drainage Channels and Swales, and Storm Sewers, 391-2000-014, 4/2008.
<input type="checkbox"/>	Implementation Guidance Total Residual Chlorine (TRC) Regulation, 391-2000-015, 11/1994.
<input type="checkbox"/>	Implementation Guidance for Temperature Criteria, 391-2000-017, 4/09.
<input type="checkbox"/>	Implementation Guidance for Section 95.9 Phosphorus Discharges to Free Flowing Streams, 391-2000-018, 10/97.
<input type="checkbox"/>	Implementation Guidance for Application of Section 93.5(e) for Potable Water Supply Protection Total Dissolved Solids, Nitrite-Nitrate, Non-Priority Pollutant Phenolics and Fluorides, 391-2000-019, 10/97.
<input type="checkbox"/>	Field Data Collection and Evaluation Protocol for Determining Stream and Point Source Discharge Design Hardness, 391-2000-021, 3/99.
<input type="checkbox"/>	Implementation Guidance for the Determination and Use of Background/Ambient Water Quality in the Determination of Wasteload Allocations and NPDES Effluent Limitations for Toxic Substances, 391-2000-022, 3/1999.
<input type="checkbox"/>	Design Stream Flows, 391-2000-023, 9/98.
<input type="checkbox"/>	Field Data Collection and Evaluation Protocol for Deriving Daily and Hourly Discharge Coefficients of Variation (CV) and Other Discharge Characteristics, 391-2000-024, 10/98.
<input type="checkbox"/>	Evaluations of Phosphorus Discharges to Lakes, Ponds and Impoundments, 391-3200-013, 6/97.
<input type="checkbox"/>	Pennsylvania's Chesapeake Bay Tributary Strategy Implementation Plan for NPDES Permitting, 4/07.
<input checked="" type="checkbox"/>	SOP: BPNPSM-PMT-001
<input checked="" type="checkbox"/>	Other: Previously approved permit, inspection reports