

Application Type Renewal
Facility Type Storm Water
Major / Minor Minor

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

Application No. PAS142202
APS ID 1136438
Authorization ID 1525707

Applicant and Facility Information

Applicant Name	<u>Packaging Corporation of America</u>	Facility Name	<u>Packaging Corporation of America</u>
Applicant Address	<u>7451 Cetronia Road</u> <u>Allentown, PA 18106-9123</u>	Facility Address	<u>7451 Cetronia Road</u> <u>Allentown, PA 18106-9123</u>
Applicant Contact	<u>Jordan Meersand</u>	Facility Contact	<u>Jordan Meersand</u>
Applicant Phone	<u>(610) 366-6500</u>	Facility Phone	<u>(610) 366-6500</u>
Client ID	<u>135696</u>	Site ID	<u>529394</u>
SIC Code	<u>2653</u>	Municipality	<u>Upper Macungie Township</u>
SIC Description	<u>Manufacturing - Corrugated and Solid Fiber Boxes</u>	County	<u>Lehigh</u>
Date Application Received	<u>May 2, 2025</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u>-</u>
Purpose of Application	<u>INDIVIDUAL NPDES STORMWATER PERMIT RENEWAL</u>		

Summary of Review

The applicant is requesting renewal of an individual NPDES permit to discharge stormwater associated with industrial activity to Iron Run, a High-Quality, Cold-Water Fishes (HQ-CWF) designated stream in state water plan basin 02-C. Iron Run does not currently have an existing use more protective than the designated use. Iron Run drains into Spring Creek, into the Little Lehigh Creek, and finally into the Lehigh River. The discharge is not expected to have an effect on any public water supply. Iron Run is currently considered impaired for aquatic life by the Pennsylvania Integrated Water Quality Monitoring and Assessment Report; the cause is siltation from urban runoff / storm sewers.

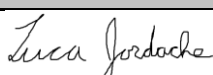
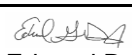
The facility is classified under SIC code 2653 (Corrugated Boxes) and contains a stormwater retention basin. The basin has a top weir that allows flow to a private sewer system and then outfall 001 to Iron Run. Monitoring requirements have been determined using Appendix E (Paper and Allied Products) of the PAG-03 General Permit as was used in the previous permit. New monitoring must be done for Total Nitrogen and Total Phosphorus. There are not benchmark values for these pollutants, but it is required to record them on eDMR forms. The measurement frequency is still 1 / 6 months.

The nearest public water supply is the Lehigh County Authority, approximately 17 miles downstream just before the Little Lehigh Creek joins the Lehigh River. The applicant is consistently within limits on eDMR forms and currently has no active violations or reasons to deny a permit renewal.

The existing permit will expire on October 31, 2025. The permit renewal application was received on time on May 2nd, 2025.

The EPA Waiver is in effect.

The following documents were used to aid in the creation of this Fact Sheet:

Approve	Deny	Signatures	Date
X		 Luca Jordache / Environmental Engineer Trainee	June 9, 2025
X		 Edward Dudick / Environmental Engineer Manager	June 9, 2025

Summary of Review



Watershed
Information.pdf



Appendix E.pdf

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.	<u>001</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>40° 33' 2.14"</u>	Longitude	<u>-75° 36' 27.70"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description:	<u>Stormwater</u>		

Receiving Waters	<u>Iron Run (HQ-CWF)</u>	Stream Code	<u>3594</u>
NHD Com ID	<u>26295587</u>	RMI	<u>1.62</u>
Drainage Area	<u>10.5</u>	Yield (cfs/mi ²)	<u>0.35</u>
Q ₇₋₁₀ Flow (cfs)	<u>3.72</u>	Q ₇₋₁₀ Basis	<u>StreamStats Calculation</u>
Elevation (ft)	<u>386</u>	Slope (ft/ft)	<u>0.114</u>
Watershed No.	<u>02-C</u>	Chapter 93 Class.	<u>HQ-CWF</u>
Existing Use	<u>-</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>

Assessment Status	<u>Impaired</u>
Cause(s) of Impairment	<u>FLOW REGIME MODIFICATION, SILTATION</u>
Source(s) of Impairment	<u>URBAN RUNOFF/STORM SEWERS, URBAN RUNOFF/STORM SEWERS</u>
TMDL Status	<u>-</u> Name <u>-</u>

Background/Ambient Data	Data Source
pH (SU)	<u>-</u>
Temperature (°F)	<u>-</u>
Hardness (mg/L)	<u>-</u>
Other:	<u>-</u>

Nearest Downstream Public Water Supply Intake	<u>Lower Saucon TWP Authority</u>
PWS Waters	<u>Little Lehigh Creek</u> Flow at Intake (cfs) <u>36.2 (Q_{7/10})</u>
PWS RMI	<u>17.02</u> Distance from Outfall (mi) <u>7.69</u>

Compliance History

DMR Data for Outfall 001 (from April 1, 2024 to March 31, 2025)

Parameter	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24	MAY-24	APR-24
pH (S.U.) Daily Maximum				6.87						7.59		
COD (mg/L) Daily Maximum				< 10.0						19.0		
TSS (mg/L) Daily Maximum				8.0						4.0		



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		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1 / 6 Months	Grab
COD	XXX	XXX	XXX	XXX	120.0	XXX	1 / 6 Months	Grab
TSS	XXX	XXX	XXX	XXX	100.0	XXX	1 / 6 Months	Grab
Total Phosphorus (lbs)	Report	XXX	XXX	XXX	XXX	XXX	1 / 6 Months	8-hr Composite
Total Nitrogen (lbs)	Report	XXX	XXX	XXX	XXX	XXX	1 / 6 Months	8-hr Composite

Compliance Sampling Location: Outfall 001

Tools and References Used to Develop Permit	
<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, 386-0400-001, 10/97.
<input type="checkbox"/>	Policy for Permitting Surface Water Diversions, 386-2000-019, 3/98.
<input type="checkbox"/>	Policy for Conducting Technical Reviews of Minor NPDES Renewal Applications, 386-2000-018, 11/96.
<input type="checkbox"/>	Technology-Based Control Requirements for Water Treatment Plant Wastes, 386-2183-001, 10/97.
<input type="checkbox"/>	Technical Guidance for Development of NPDES Permit Requirements Steam Electric Industry, 386-2183-002, 12/97.
<input type="checkbox"/>	Pennsylvania CSO Policy, 386-2000-002, 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, 386-2000-008, 4/97.
<input type="checkbox"/>	Determining Water Quality-Based Effluent Limits, 386-2000-004, 12/97.
<input type="checkbox"/>	Implementation Guidance Design Conditions, 386-2000-007, 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, 386-2000-016, 6/2004.
<input type="checkbox"/>	Interim Method for the Sampling and Analysis of Osmotic Pressure on Streams, Brines, and Industrial Discharges, 386-2000-012, 10/1997.
<input type="checkbox"/>	Implementation Guidance for Section 95.6 Management of Point Source Phosphorus Discharges to Lakes, Ponds, and Impoundments, 386-2000-009, 3/99.
<input type="checkbox"/>	Technical Reference Guide (TRG) PENTOXSD for Windows, PA Single Discharge Wasteload Allocation Program for Toxics, Version 2.0, 386-2000-015, 5/2004.
<input type="checkbox"/>	Implementation Guidance for Section 93.7 Ammonia Criteria, 386-2000-022, 11/97.
<input type="checkbox"/>	Policy and Procedure for Evaluating Wastewater Discharges to Intermittent and Ephemeral Streams, Drainage Channels and Swales, and Storm Sewers, 386-2000-013, 4/2008.
<input type="checkbox"/>	Implementation Guidance Total Residual Chlorine (TRC) Regulation, 386-2000-011, 11/1994.
<input type="checkbox"/>	Implementation Guidance for Temperature Criteria, 386-2000-001, 4/09.
<input type="checkbox"/>	Implementation Guidance for Section 95.9 Phosphorus Discharges to Free Flowing Streams, 386-2000-021, 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, 386-2000-020, 10/97.
<input type="checkbox"/>	Field Data Collection and Evaluation Protocol for Determining Stream and Point Source Discharge Design Hardness, 386-2000-005, 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, 386-2000-010, 3/1999.
<input type="checkbox"/>	Design Stream Flows, 386-2000-003, 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, 386-2000-006, 10/98.
<input type="checkbox"/>	Evaluations of Phosphorus Discharges to Lakes, Ponds and Impoundments, 386-3200-001, 6/97.
<input type="checkbox"/>	Pennsylvania's Chesapeake Bay Tributary Strategy Implementation Plan for NPDES Permitting, 4/07.
<input type="checkbox"/>	<div>   </div> <p>Individual NPDES General NPDES SOP SOP - Industrial Was- PAG-03 (Version 1.0)</p>