



Application Type  
Facility Type  
Major / Minor

New  
Storm Water  
Minor

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

Application No. **PA0277061**  
APS ID **1149227**  
Authorization ID **1547113**

**Applicant and Facility Information**

Applicant Name	<u>Lehigh Valley Plastics</u>	Facility Name	<u>Lehigh Valley Plastics</u>
Applicant Address	<u>187 N Commerce Way</u> <u>Bethlehem, PA 18017-8933</u>	Facility Address	<u>187 N Commerce Way</u> <u>Bethlehem, PA 18017-8933</u>
Applicant Contact	<u>Shelly McWilliams</u>	Facility Contact	<u>Shelly McWilliams</u>
Applicant Phone	<u>(484) 893-5500</u>	Facility Phone	<u>(484) 893-5500</u>
Client ID	<u>396075</u>	Site ID	<u>884102</u>
SIC Code	<u>3089</u>	Municipality	<u>Bethlehem Township</u>
SIC Description	<u>Manufacturing - Plastics Products, Nec</u>	County	<u>Northampton</u>
Date Application Received	<u>October 22, 2025</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted		If No, Reason	
Purpose of Application	<u>New NPDES Permit to discharge Industrial Stormwater from site.</u>		

**Summary of Review**

The applicant is requesting a new NPDES permit to discharge Stormwater Associated with Industrial Activity to Tributary 03388 to Monocacy Creek, a HQ-CWF, MF (High Quality – Cold Water Fishes, Migratory Fishes) designated receiving stream in State Water Plan Basin 02-C (Lower Lehigh River). As per the Department's current existing use list, the receiving stream segment does not have an existing use classification that is more protective than its designated use.

Tributary 03388 is impaired for its existing use of Recreation due to pathogens. It is supporting for its existing use of Aquatic Life.

Lehigh Valley Plastics manufactures plastic materials, and cuts and shapes plastic components for wholesale distribution.

The outdoor area of the facility has the following activities/storage:

- Drums/totes of synthetic fluid storage
- Baghouse dust/debris collector system.

The following activities occur inside the facility:

- Production
- Packaging
- Shipping
- Office work

The facility is categorized by SIC Code 3089 (Plastic Products, Not Elsewhere Classified) and NAICS Code 424610 (Plastic Materials and Basic Forms and Shapes Merchant Wholesalers). This SIC Code falls under Appendix S (Rubber, Miscellaneous Plastic Products and Miscellaneous Manufacturing Industries) of the PAG-03 General Permit. The following pollutants will be monitored:

Approve	Deny	Signatures	Date
X		<i>Melanie Macioce</i> Melanie Macioce / Environmental Engineering Trainee	December 8, 2025
X		<i>Edward Dudick</i> Edward Dudick, P.E. / Environmental Engineer Manager	December 9, 2025

### Summary of Review

- 1) Total nitrogen will be a calculation that will be completed 1/6 months. This value will be reported.
- 2) Total Phosphorus will be a grab sample taken 1/6 months. This value will be reported.
- 3) pH will be a grab sample taken 1/6 months. This pollutant has an IMAX benchmark value of 9.0.
- 4) Total Suspended Solids will be a grab sample taken 1/6 months. This pollutant has an IMAX benchmark value of 100 mg/L.
- 5) Total Zinc will be a grab sample taken 1/6 months. This value will be reported.

The stormwater discharge is to the Bethlehem Township Municipal Storm Sewer System at the property boundary. Stormwater then flows to a Tributary 03388 of Monocacy Creek. There is no direct discharge to Monocacy Creek.

Outfall 001 discharge will be exposed to drums/totes of synthetic fluid storage and baghouse dust/debris collector system. The area is 65% impervious and the drainage area encompasses 294,051 sq ft.

There is a vegetated swale on the property to filter residuals of contaminants. This was designed when the industrial park was being built.

Since this permittee is discharging to a High-Quality Water, a completed Module 1 – Anti Degradation form was required. They deemed the following infeasible for the associated reasons:

- 1) Pollution Prevention and Process Changes
  - a. There is not sufficient space within the facility to store waste related to operations currently exposed to stormwater. There is no wastewater generated onsite. All existing operations take place under a roof.
- 2) Alternative Project Siting
  - a. There is an existing operation occurring. An alternative project siting is infeasible.
- 3) Land Application of Stormwater, Recycle/Reuse of Stormwater, and Alternative Discharge Locations
  - a. This was not considered due to the facility being located in an industrial park that had pre-designed stormwater infrastructure.
- 4) Cover Outdoor Storage and the Baghouse Dust/Debris Collection System
  - a. The addition of the roof structure above the outdoor storage area and the baghouse dust/debris collection system would not substantially change how the current BMP operates.
- 5) Construct a Stormwater Basin to Retain Water
  - a. There is no available space to construct a basin and the infiltration properties of the soil would need to be evaluated.
- 6) Constructed Treatment Wetlands
  - a. The facility is part of a pre-existing industrial park with pre-designed stormwater infrastructure. There is already a vegetated swale leading to Outfall 001

PPC Plan implementation and completion of an annual inspection and compliance evaluation are required under the permit.

This is a new application. There are no violations that warrant withholding 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

Latitude 40° 40' 42.48"

Longitude -75° 22' 27.46"

Quad Name \_\_\_\_\_

Quad Code \_\_\_\_\_

Wastewater Description: Stormwater

Receiving Waters Tributary 03388 to Monocacy Creek (HQ-CWF, MF)

Stream Code 03388

NHD Com ID 26294115

RMI 0.4000

Drainage Area 0.35

Yield (cfs/mi<sup>2</sup>) -

Q<sub>7-10</sub> Flow (cfs) 0.035

Q<sub>7-10</sub> Basis -

Elevation (ft) 346.31

Slope (ft/ft) 0.022

Watershed No. 2-C

Chapter 93 Class. HQ-CWF, 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 - Name -

Background/Ambient Data

Data Source

pH (SU) -

-

Temperature (°F) -

-

Hardness (mg/L) -

-

Other: -

-

Nearest Downstream Public Water Supply Intake

Community Utilities of PA Inc., Westgate Water System

PWS Waters Monocacy Creek

Flow at Intake (cfs) 11

PWS RMI 3.5

Distance from Outfall (mi) 2.53

Changes Since Last Permit Issuance: Not applicable since this is a new permit.

Other Comments: N/A