

Application Type Renewal
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0275735
APS ID 1153021
Authorization ID 1553432

Applicant and Facility Information

Applicant Name	<u>Vorteq Coil Finishers LLC</u>	Facility Name	<u>Vorteq Coil Finishers LLC</u>
Applicant Address	<u>2233 26th Street SW</u> <u>Allentown, PA 18103-6601</u>	Facility Address	<u>2233 26th Street SW</u> <u>Allentown, PA 18103-6601</u>
Applicant Contact	<u>Chris Campbell</u>	Facility Contact	<u>Chris Campbell</u>
Applicant Phone	<u>(610) 797-5200</u>	Facility Phone	<u>(610) 797-5200</u>
Client ID	<u>332879</u>	Site ID	<u>480867</u>
SIC Code	<u>3479</u>	Municipality	<u>Allentown City</u>
SIC Description	<u>Manufacturing - Metal Coating And Allied Services</u>	County	<u>Lehigh</u>
Date Application Received	<u>December 21, 2025</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>January 23, 2026</u>	If No, Reason	
Purpose of Application	<u>Renewal of NPDES Permit to discharge Industrial Stormwater.</u>		

Summary of Review

The applicant is requesting a renewal of their NPDES permit to discharge Stormwater Associated with Industrial Activity to Tributary 03422 to Trout Creek, a High Quality-Cold Water Fishes, Migratory Fish (HQ-CWF,MF) designated receiving stream in State Water Plan Basin 2-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. Module 1 Anti-Degradation was not required as this permit is a renewal.

Tributary 03422 to Trout Creek currently has two designated uses: Aquatic Life and Recreation.

- It is impaired for its designated use of Aquatic Life due to Urban Runoff/Storm Sewers Siltation and Urban Runoff/Storm Sewers Flow Regime Modification
- It is impaired for its designated use of Recreation due to Pathogens.

As a note, the Outfall of the facility is at Latitude: 40° 34' 2.00" Longitude: -75° 28' 41.00". According to NHD Data as generated by eFACTs, the discharge meets the receiving stream at Latitude: 40° 34' 29.92" Longitude: -75° 28' 13.80". This is documented in the NPDES Permit and below in the fact sheet.

The previous NPDES Permit expires on June 30, 2026. The application was received on December 21, 2025.

In addition to PA0275735, this facility also holds a permit to discharge Industrial Waste via Lehigh County Authority. All industrial waste is treated on site and discharged directly to Lehigh County Authority POTW.

At this facility, two main operations occur. First, there is a coating line that cleans, prepares and coats steel and aluminum coils. Second, there is a slitting line that cuts the full width coated coils into widths that meet the end use requirements. Both operations, as well as shipping and receiving, are indoors and under a roof.

Approve	Deny	Signatures	Date
X		<i>Melanie Macioce</i> Melanie Macioce / Environmental Engineering Trainee	January 29, 2026
X		<i>Edward Dudick</i> Edward Dudick, P.E. / Environmental Engineer Manager	January 30, 2026

Summary of Review

According to the submitted site map, the only industrial activity that occurs outside of a roof involves forklifts moving pallets from the pallet storage shed to the building for production. There is also a parking lot for staff as well.

This facility falls under the SIC Code 3479 which is defined as "Coating, engraving and allied services not elsewhere classified". Its NAICS Code is 332812 which is described as "Metal coating, engraving (except jewelry and silverware) and allied services to manufacturing".

SIC Code 3479 means the facility is permitted under Appendix U of the PAG-03 General Permit. The following benchmark values/monitoring requirements are listed below:

- Total Nitrogen (mg/L) will be a calculation that is completed 1/6 months. This will report the IMAX.
- Total Phosphorous (mg/L) will be a grab sample that is taken 1/6 months. This will report the IMAX.
- pH will be a grab sample taken 1/6 months. There is an IMAX benchmark value of 9.0.
- Total Suspended Solids (TSS) (mg/L) will be a grab sample taken 1/6 months. There is an IMAX benchmark value of 100 mg/L.
- Oil and Grease will be a grab sample taken 1/6 months. There is an IMAX Benchmark value of 30.
- Nitrate + Nitrite-Nitrogen (mg/L) will be a grab sample taken 1/6 months. There is an IMAX Benchmark value of 3.0 mg/L.
- Total Aluminum (mg/L) will be a grab sample taken 1/6 months. This will report the IMAX.
- Total Iron (mg/L) will be a grab sample taken 1/6 months. This will report the IMAX.
- Total Zinc (mg/L) will be a grab sample taken 1/6 months. This will report the IMAX.

These benchmark values have been updated since the previous issued permit in 2021. Previously, pH did not have a benchmark value and Total Suspended Solids, Oil and Grease, Total Nitrogen and Total Phosphorous have been added to the monitoring requirements.

No other pollutants will be monitored for this site. The additional pollutants submitted on the application were BOD5 and COD. They reported values of 3.79 mg/L and <50 mg/L respectively. These numbers do not warrant additional monitoring.

The facility's current BMPs that are in practice for Outfall 001 are routine inspections, general housekeeping, and a reference to their PPC Plan. The recommended BMPs for this classification of the facility can be found in Part C of the NPDES Permit.

A Routine/Partial Inspection of the facility was completed on October 21, 2022. An Administrative/File Review was conducted on March 11, 2021.

eDMR data available for the past year is attached below.

There are no open violations against this client.

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° 34' 29.92"</u>	Longitude	<u>-75° 28' 13.80"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>Tributary 03422 to Trout Creek (HQ-CWF, MF)</u>	Stream Code	<u>03422</u>
NHD Com ID	<u>26296149</u>	RMI	<u>0.4200</u>
Drainage Area	<u>0.7</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.07</u>	Q ₇₋₁₀ Basis	<u>Assumed LFY; potential errors occurred in StreamStats due to small drainage area</u>
Elevation (ft)	<u>328.93</u>	Slope (ft/ft)	<u>0.0124</u>
Watershed No.	<u>2-C</u>	Chapter 93 Class.	<u>HQ-CWF, MF</u>
Existing Use	<u>N/A</u>	Existing Use Qualifier	<u>N/A</u>
Exceptions to Use	<u>N/A</u>	Exceptions to Criteria	<u>N/A</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>FLOW REGIME MODIFICATION, PATHOGENS, SILTATION</u>		
Source(s) of Impairment	<u>SOURCE UNKNOWN, URBAN RUNOFF/STORM SEWERS, URBAN RUNOFF/STORM SEWERS</u>		
TMDL Status	<u>N/A</u>	Name	<u>N/A</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>-</u>		<u>-</u>
Temperature (°F)	<u>-</u>		<u>-</u>
Hardness (mg/L)	<u>-</u>		<u>-</u>
Other:	<u>-</u>		<u>-</u>
Nearest Downstream Public Water Supply Intake	<u>Lower Saucon Township Authority Northampton County</u>		
PWS Waters	<u>Lehigh River</u>	Flow at Intake (cfs)	<u>359</u>
PWS RMI	<u>9.32</u>	Distance from Outfall (mi)	<u>9.56</u>

Changes Since Last Permit Issuance: N/A

Compliance History

DMR Data for Outfall 001 (from December 1, 2024 to November 30, 2025)

Parameter	NOV-25	OCT-25	SEP-25	AUG-25	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24
pH (S.U.) Daily Maximum						6.7						7.2
TSS (mg/L) Instantaneous Maximum						< 2.5						6.63
Nitrate-Nitrite (mg/L) Daily Maximum						0.363						0.412
Total Aluminum (mg/L) Daily Maximum						< 0.20						< 0.200
Total Iron (mg/L) Daily Maximum						< 0.20						0.224
Total Zinc (mg/L) Daily Maximum						0.115						0.102