

Application Type New  
Facility Type Storm Water  
Major / Minor Minor

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

Application No. PA0295914  
APS ID 1090568  
Authorization ID 1488305

**Applicant and Facility Information**

Applicant Name	<u>Latrobe Specialty Metals A Carpenter Co.</u>	Facility Name	<u>Latrobe Spec Metals Sandycreek Service Center</u>
Applicant Address	<u>2626 Ligonier Street</u> <u>Latrobe, PA 15650-3246</u>	Facility Address	<u>1680 Debence Drive</u> <u>Franklin, PA 16323-2048</u>
Applicant Contact	<u>Amy Hugus</u>	Facility Contact	<u>Jeff Kuhn</u>
Applicant Phone	<u>(724) 532-6348</u>	Facility Phone	<u></u>
Client ID	<u>84247</u>	Site ID	<u>531587</u>
SIC Code	<u>3316</u>	Municipality	<u>Sandycreek Township</u>
SIC Description	<u>Manufacturing - Cold Finishing Of Steel Shapes</u>	County	<u>Venango</u>
Date Application Received	<u>May 24, 2024</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u></u>
Purpose of Application	<u>This is an application for an Individual Permit for Industrial Stormwater, this permit will replace NPDES Permit No. PAR208347.</u>		

**Summary of Review**

Originally this facility was operating under the PAG-03 General Permit. An individual permit was required as the Chapter 93 classification for the receiving stream has changed from WWF to WWF and an existing use of Exceptional Value (EV).

Carpenter Technology Latrobe Specialty Metals Sandycreek Service Center is dedicated to processing specialty alloy metals. Processing includes cutting product to size, drawing, straightening, polishing, and other finishing operations. The outdoor stormwater drainage system includes roof drains, parking lots, material storage, one 300-gallon double-walled diesel fuel tank, and one retention pond.

No non-stormwater discharges are to be expected by the facility within the next permit cycle.

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.

Approve	Deny	Signatures	Date
X		Dustin Hargenrater Dustin Hargenrater / Civil Engineer (General)	November 13, 2024
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	November 19, 2024

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0
Latitude	41° 20' 55.86"	Longitude	-79° 51' 43.99"
Quad Name	41079C7	Quad Code	Kennerdell
Wastewater Description: Stormwater			
Receiving Waters	Morrison Run (EV (existing use))	Stream Code	51330
NHD Com ID	100477943	RMI	2.13
Drainage Area	2.37	Yield (cfs/mi <sup>2</sup> )	0.04
Q <sub>7-10</sub> Flow (cfs)	0.095	Q <sub>7-10</sub> Basis	USGS - StreamStats
Elevation (ft)	1,279	Slope (ft/ft)	---
Watershed No.	16-G	Chapter 93 Class.	WWF
Existing Use	EV(EXCEPTIONAL VALUE)	Existing Use Qualifier	RBP - Antidegradation
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)	7.0	Default	
Temperature (°F)	68	Default	
Hardness (mg/L)	100	Default	
Other:			
Nearest Downstream Public Water Supply Intake	Aqua Pennsylvania Inc. - Emlenton		
PWS Waters	Allegheny River	Flow at Intake (cfs)	1,376
PWS RMI	90.0	Distance from Outfall (mi)	29.5

Changes Since Last Permit Issuance: Morrison Run, the receiving stream of the discharge, has been classified with an existing use of Exceptional Value. This change in classification prompted the need to submit an individual stormwater permit.

Other Comments: DEP has evaluated information indicating that the existing use of the receiving waters is different than the designated use under 25 Pa. Code § 93.9. In developing the draft NPDES permit, DEP is proposing to protect the existing use of the receiving waters. Following DEP's notice of the receipt of the application and the draft permit in the Pennsylvania Bulletin, DEP will accept written comments during the public comment period regarding DEP's tentative determination to protect the existing use. DEP will make a final determination on existing use protection for the receiving waters as part of the final permit action.

Compliance History

DMR Data for Outfall 001 (from October 1, 2023 to September 30, 2024)

Parameter	JUN-20	DEC-20	JUN-21	DEC-21	JUN-22	DEC-22	JUN-23	DEC-23	JUN-24
TSS (mg/L) Daily Maximum	9.0	<4.0	4.0	4.0	8.0	<4.0	16.0	4.0	8.5
Oil and Grease (mg/L) Daily Maximum							<5	5.6	5.0
Total Nitrogen (mg/L) Daily Maximum							<1	1.0	2.5
Total Phosphorus (mg/L) Daily Maximum							0.03	0.030	0.052
Total Aluminum (mg/L) Daily Maximum	<0.05	<0.05	0.02	0.0569	0.203	0.133	0.224	0.0234	0.069
Total Copper (mg/L) Daily Maximum	<0.005	<0.005	0.005	0.005	0.005	<0.005	0.006	0.005	0.002
Total Iron (mg/L) Daily Maximum	.505	.667	0.545	0.394	1.770	0.358	<0.01	0.812	1.4
Total Lead (mg/L) Daily Maximum	<.005	<.005	0.01	0.01	0.010	<0.01	<0.01	0.01	< 0.0005
Total Zinc (mg/L) Daily Maximum	<0.010	.074	0.02	0.0228	0.035	0.0372	0.05	0.02	0.020

Oil and Grease, Total Nitrogen, and Total Phosphorous were added into Appendix B with the new PAG-03 which is why data is only shown for 3 semi-annual sampling events.

<b>Compliance History</b>
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There are no open violations in WMS for the subject Client ID (84247) as of 11/14/2024.

**Inspection Summary**

There have been 3 inspections at the facility within the last 5 years. The first inspection occurred on 8/12/20 and no violations were noted. The second inspection occurred on 1/17/21 and no violations were noted. The third inspection occurred on 5/17/21 and no violations were noted.

**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) <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		
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Calculation
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Copper	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Lead	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 001

Other Comments: The applicable appendix of the PAG-03 General Permit should be considered the minimum standards for limits, benchmarks and monitoring requirements for individual industrial stormwater permits.

**Effluent Limit Development**

The following monitoring requirements are from Appendix B of the PAG-03 General Permit:

Pollutant	Monitoring Requirements		Benchmark Values
	Minimum Measurement Frequency	Sample Type	
Total Nitrogen (mg/L)	1 / 6 months	Calculation	XXX
Total Phosphorous (mg/L)	1 / 6 months	Grab	XXX
Total Suspended Solids (TSS) (mg/L)	1 / 6 months	Grab	100
Oil & Grease (mg/L)	1 / 6 months	Grab	30
Total Aluminum (mg/L)	1 / 6 months	Grab	XXX
Total Zinc (mg/L)	1 / 6 months	Grab	XXX
Total Copper (mg/L)	1 / 6 months	Grab	XXX
Total Iron (mg/L)	1 / 6 months	Grab	XXX
Total Lead (mg/L)	1 / 6 months	Grab	XXX

The applicable appendix of the PAG-03 General Permit should be considered the minimum standards for limits, benchmarks and monitoring requirements for individual industrial stormwater permits.

When evaluating the submitted sampling data there were two parameters that the concentrations warranted a comparison to benchmark values and applicable criteria. The first parameter was for Chemical Oxygen Demand and the sampling showed an average concentration of 37.0 mg/l and the maximum was the same since only one test was completed, this pollutant was slightly above the No Exposure criteria however very below the benchmark value of 120 mg/l. With the concentration being so close to the No Exposure criteria COD will not be considered for monitoring. The second parameter that warranted a look into the applicable criteria was Total Iron which the sampling data showed an average concentration of 1190.67 µg/L and a maximum concentration of 1400 µg/L. The appropriate criteria to compare these values to would be the 1.5 mg/L (1,500 µg/L) criteria for WWF, TSF, and MF waters as total recoverable. Since the value is less than the applicable criteria, the parameter will be subject to monitoring only as this is considered the minimum standards for the applicable Appendix.

Note: In general, if actual stormwater concentrations exceed 100 times the most stringent Chapter 93 criterion, or exceed 100 mg/L for pollutants without criteria, considerations should be made to implement effluent limits and/or the implementation of BMPs with compliance schedules in order to meet the limits or otherwise reduce stormwater concentrations. The No Exposure criteria was pulled from the No Exposure Certification Instructions document for COD and the benchmark values were pulled from the PAG-03 General Permit Sample document. The Iron criteria was pulled from Chapter 93.7 Specific Water Quality Criteria - Table 3.

The receiving stream of the industrial stormwater, an unnamed tributary to Morrison Run, is not impaired and does not have an approved TMDL. Based on the sampling data submitted the facility is not expected to cause or contribute to an in-stream impairment. The sampling results also confirm that monitoring only requirements are acceptable as all parameters sampled were below benchmark values and applicable criterion which means the minimum standards can be applied.