

Application Type New
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0289060
APS ID 1033368
Authorization ID 1345017

Applicant and Facility Information

Applicant Name	<u>Allegheny Bradford Corporation</u>	Facility Name	<u>Allegheny Surface Tech</u>
Applicant Address	<u>PO Box 200</u> <u>Bradford, PA 16701-0200</u>	Facility Address	<u>14 Egbert Lane</u> <u>Lewis Run, PA 16738-3802</u>
Applicant Contact	<u>John Smith</u>	Facility Contact	<u>John Smith</u>
Applicant Phone	<u>(814) 362-2590</u>	Facility Phone	<u>(814) 362-2590</u>
Client ID	<u>131785</u>	Site ID	<u>517000</u>
SIC Code	<u>3471</u>	Municipality	<u>Lewis Run Borough</u>
SIC Description	<u>Manufacturing - Plating And Polishing</u>	County	<u>McKean</u>
Date Application Received	<u>February 16, 2021</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>March 18, 2021</u>	If No, Reason	<u></u>
Purpose of Application	<u>An Individual NPDES Permit for an existing discharge of stormwater for industrial activities.</u>		

Summary of Review

Allegheny Surface Tech was not previously covered by a No Exposure certification or stormwater permit. Because of the lack of a permit and the stormwater discharges to a high-quality stream (East Tunungwant Creek), the department has requested that this facility submitted for an Individual Stormwater Permit for Industrial Activity.

This facility does stainless steel surface finishing, SIC Code 3471.

This permit does not qualify for a general PAG-03 permit because it discharges to East Branch Tunungwant Creek, which has an HQ-CWF stream designation.

There are no open violations for subject client no. 131785 as of December 27, 2021.

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		Jon F. Bucha Jonathan F. Bucha / Civil Engineer General	December 27, 2021
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	January 5, 2022

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	Latitude	Longitude	Design Flow (MGD)
001	41° 52' 14.281"	-78° 39' 14.037"	0
002	41° 52' 16.326"	-78° 39' 16.162"	0
003	41° 52' 17.367"	-78° 39' 17.384"	0
004	41° 52' 12.753"	-78° 39' 18.043"	0
005	41° 52' 14.688"	-78° 39' 18.309"	0
Quad Name	Lewis Run	Quad Code	0416
Wastewater Description:	Stormwater		
Receiving Waters	East Branch Tunungwant Creek (HQ-CWF)	Stream Code	57031
NHD Com ID	112370241	RMI	6.91
Drainage Area	19.5 mi ² (Streamstats)	Yield (cfs/mi ²)	0.176
Q ₇₋₁₀ Flow (cfs)	3.43	Q ₇₋₁₀ Basis	USGS Gage# 03010950 ('47-'58)
Elevation (ft)	1541	Slope (ft/ft)	-
Watershed No.	16-C	Chapter 93 Class.	HQ-CWF
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	-

Changes Since Last Permit Issuance: N/A

Other Comments: Because East Tunungwant Creek has a High-Quality stream designation, an Individual Industrial Stormwater permit is required to ensure the stream is being protected.

Development of Effluent Limitations

Outfall No.	Latitude	Longitude	Design Flow (MGD)
001	41° 52' 14.281"	-78° 39' 14.037"	0
002	41° 52' 16.326"	-78° 39' 16.162"	0
003	41° 52' 17.367"	-78° 39' 17.384"	0
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Wastewater Description: Stormwater

Best Professional Judgment (BPJ) Limitations

Comments: Monitoring for parameters listed in Module 1 of the NPDES Industrial Waste Permit Application will be incorporated into the permit to demonstrate compliance with the “non-degrading discharge” condition of 25 Pa. Code Chapter 93.4a. A continual assurance of this will be done through the establishment of 1/year monitoring in place of once every 5 years monitoring required on the No Exposure Certification.

Anti-Backsliding

Anti-backsliding does not apply.

Antidegradation Evaluation

This facility was not previously covered by a No Exposure certification or stormwater permit. Because East Tunungwant Creek has a High Quality (HQ) stream designation, an Individual Industrial Stormwater permit is required to ensure the stream is being protected. However, anti-degradation procedures were followed since this permit involves a “new” discharge to a High Quality (HQ) designated stream (considered “new” because it was not in existence and/or has been expanded since the stream was designated as High Quality).

The Department has determined that the permittee is demonstrating the “non-degrading discharge” condition of 25 Pa. Code Chapter 93.4a will be achieved because the site meets “no exposure” conditions. In general, DEP considers industrial stormwater discharges that are controlled by post-construction stormwater management BMPs implemented under 25 Pa. Code Chapter 102 and “no exposure” conditions to be non-degrading. For existing stormwater discharges to HQ/EV waters seeking permit coverage for the first time such as this facility, DEP may also consider existing stormwater quality data. The site does have stormwater controls that are existing and have been in-place for many years (see attached Google Earth aerial imagery showing minimal difference in site conditions between 1993 and present. The condition of “no exposure” appears to be met at this facility and the site plans to continue no exposure conditions in the future. The permit application provided a stormwater sample for the representative outfall (outfall 005), which showed effluent concentrations to be within no exposure benchmark values except for BOD5 was not reported at a low enough QL, these values are “benchmarks” only and there is no reason from the site conditions to believe that the industrial activity is creating exceedances. However, effluent quality of the “no exposure” benchmark value parameters will be monitored as a condition of the permit at a frequency of 1/year for further evaluation in future permit renewals. This will provide the Department with at least 5 effluent samples compared to the one required by the application.

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.

Outfalls 001 - 005, 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	Annual Average	Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
BOD5	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
COD	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
TSS	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
Oil and Grease	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 005 (before mixing with other waters).

Other Comments: Outfall 005 is the representative outfall for stormwater discharges 001 – 005.

Google Earth Aerial Imagery (March 2021)



Google Earth Aerial Imagery (1993)

