

Application Type New
 Facility Type Storm Water
 Major / Minor Minor

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

Application No. PA0289990
 APS ID 1049066
 Authorization ID 1371803

Applicant and Facility Information

Applicant Name	<u>Penn United Technologies, Inc.</u>	Facility Name	<u>Penn United Technologies Electroplating</u>
Applicant Address	<u>PO Box 399 Saxonburg, PA 16056</u>	Facility Address	<u>300 North Pike Road Sarver, PA 16055</u>
Applicant Contact	<u>Steve Berteotti</u>	Facility Contact	<u>Steve Berteotti</u>
Applicant Phone	<u>(724) 352-1507, ext. 4610</u>	Facility Phone	<u>(724) 352-1507, ext. 4610</u>
Client ID	<u>24924</u>	Site ID	<u>607744</u>
SIC Code	<u>3471, 3541</u>	Municipality	<u>Buffalo Township</u>
SIC Description	<u>Manufacturing - Machine Tools, Metal Cutting Types Manufacturing - Plating and Polishing</u>	County	<u>Butler County</u>
Date Application Received	<u>September 28, 2021</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>October 6, 2021</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>New NPDES permit for an existing discharge of stormwater related to industrial activities to a High-Quality stream.</u>		

Summary of Review

Act 14 - Proof of Notification was submitted and received.
 This facility is not subject to any ELGs.
 A Part II Water Quality Management permit is not required at this time.
 The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

SPECIAL CONDITIONS:

- I. Stormwater Outfalls and Authorized Non-Stormwater Discharges
- II. Best Management Practices (BMPs)
- III. Routine Inspections
- IV. Preparedness, Prevention and Contingency (PPC) Plan
- V. Stormwater Monitoring Requirements
- VI. Other Requirements

There are no open violations in efacts associated with the subject Client ID (140499) as of 5/10/2022.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	5/10/2022
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	5/11/2022

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.00
Latitude	40° 44' 16.00"	Longitude	-79° 45' 54.00"
Quad Name	-	Quad Code	-
Wastewater Description: Stormwater			
Receiving Waters	Unnamed Tributary to the Sarver Run (HQ-TSF)	Stream Code	N/A
NHD Com ID	123971219	RMI	N/A
Drainage Area	-	Yield (cfs/mi ²)	-
Q ₇₋₁₀ Flow (cfs)	-	Q ₇₋₁₀ Basis	-
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	18-F	Chapter 93 Class.	HQ-TSF
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	New Kensington City Municipal Authority		
PWS Waters	Allegheny River	Flow at Intake (cfs)	2,300
PWS RMI	21.0	Distance from Outfall (mi)	17.0

No modeling was performed with this renewal as the discharge consists of stormwater only.

Antidegradation Evaluation

This facility was previously covered by a No Exposure certification, but it expired on January 21, 2009.

Since the Sarver Run has a High Quality (HQ) stream designation, a new No Exposure Certification is not allowed. 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 achieving the "non-degrading discharge" condition of 25 Pa. Code Chapter 93.4a 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 new permit coverage, the 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 aerial imagery showing minimal differences in the site conditions between 2005 and 2021). The condition of No Exposure appears to be met at this facility and the site plans to maintain the No Exposure conditions in the future.

The permit application provided a stormwater sample for Outfall 001, which showed effluent concentrations to be slightly exceeding the No Exposure benchmark values for COD (36.4 mg/l > 30 mg/l). Total Iron was not sampled, and the remaining parameters were all below the No Exposure benchmark values as follows: Oil & Grease (<4.8 mg/l), BOD5 (<6.0 mg/l), TSS (<4.0 mg/l), Total Nitrogen (1.2 mg/l), and Total Phosphorus (<0.03 mg/l). Since these values are all used as benchmarks only, there is no reason from the sampling and the site conditions to believe that the industrial activity is creating exceedances.

Monitoring for the 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. Once per year monitoring will be established for further evaluation in future permit renewals in place of the once every 5 years monitoring required by the No Exposure Certification.

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.

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.

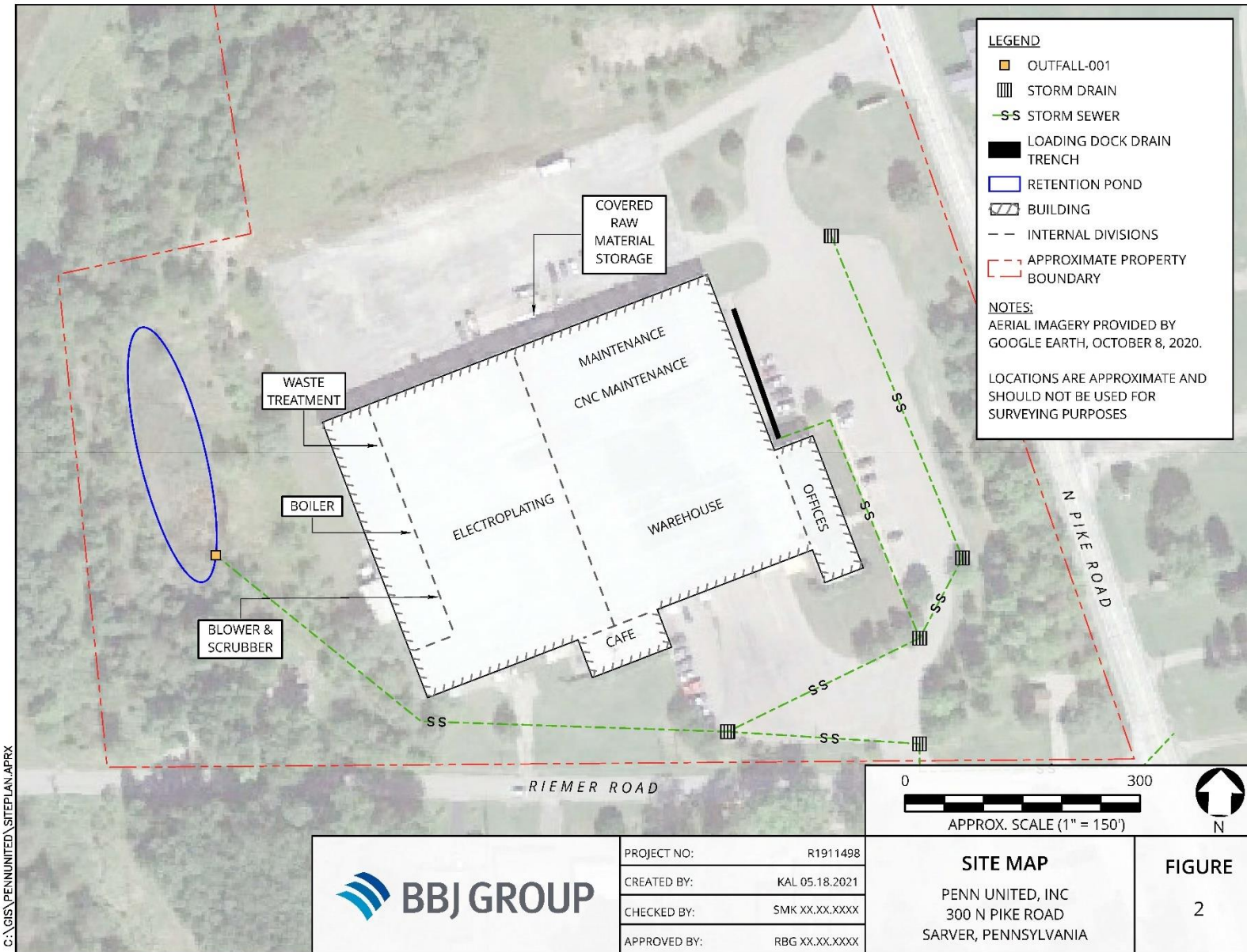
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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	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 001, prior to mixing with any other wastewaters.

Monitoring for pH, BOD5, COD, TSS, Oil and Grease, Total Nitrogen, Total Phosphorus, and Total Iron is based on Chapter 92a.61.

Site Layout



2005 Aerial Imagery



2021 Aerial Imagery

