



Application Type  
Facility Type  
Major / Minor

Renewal  
Storm Water  
Minor

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

Application No. PA0245143  
APS ID 1121837  
Authorization ID 1499806

**Applicant and Facility Information**

Applicant Name	<u>Ussc Acquisition Corp</u>	Facility Name	<u>Ussc Grp 101 Gordon Dr</u>
Applicant Address	<u>101 Gordon Drive</u>	Facility Address	<u>101 Gordon Drive</u>
	<u>Exton, PA 19341</u>		<u>Exton, PA 19341</u>
Applicant Contact	<u>Luke Wuthrich</u>	Facility Contact	<u>Luke Wuthrich</u>
Applicant Phone	<u>(610) 265-3610</u>	Facility Phone	<u>(610) 265-3610</u>
Client ID	<u>326334</u>	Site ID	<u>832197</u>
SIC Code	<u>2531,3499</u>	Municipality	<u>Uwchlan Township</u>
SIC Description	Manufacturing - Fabricated Metal Products, Nec, Manufacturing - Public Building And Related Furniture	County	<u>Chester</u>
Date Application Received	<u>August 27, 2024</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted		If No, Reason	
Purpose of Application	<u>Permit Renewal</u>		

**Summary of Review**

The applicant is requesting a renewal for their existing NPDES permit to discharge industrial stormwater from their Exton Facility.

On May 23, 2023, an amendment was issued for the newly constructed warehouse on the Southwest side of the facility. Outfalls (009-014) were added on the amendment.

Outfall 009 qualifies for No Exposure as it collects stormwater from the parking lot near the main entrance of the main building. The only stormwater associated with this Outfall is from Employee and Visitor parking.

Outfalls 010 – 014 receive stormwater from the newly constructed warehouse – parking lot, roof drains. The warehouse is used for assembly and shipping of finished products. All Outfalls in this area could be designated No Exposure.

Followings are carried over from the previous approval.

- Outfalls 001-005 replaced by Outfall 015
- Outfalls 007 & 008 collect stormwater from the employee parking lots located to the South of the facility and are designated No Exposure.

Overall, Outfall 006 and 015 should be monitored moving forward.

Approve	Deny	Signatures	Date
X		<i>Charley Yang</i> Charley Yang / Environmental Engineering Specialist	March 20, 2025
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	03/20/2025

### Summary of Review

Per the provided sampling data for Outfalls including No Exposure, COD concentrations are generally elevated in the area. USSC have investigated thoroughly but found no definitive cause for the elevated COD level. USSC will be taking the action of changing their waste management company - the new company will be replacing the dumpsters on site with more effective, permanent covers. USSC will also be improving housekeeping practices by not staging mulch or any other potential sources on the parking lot.

COD Concentrations: (mg/L) per the sampling on 3/5/2025

- Outfall 006: 37
- Outfall 007: 57 (No Exp)
- Outfall 008: 91 (No Exp)
- Outfall 009: 39 (No Exp)
- Outfall 010: 57 (No Exp)
- Outfall 011: 41 (No Exp)
- Outfall 012: 59 (No Exp)
- Outfall 013: 38 (No Exp)
- Outfall 014: 75 (No Exp)
- Outfall 015: 62

Other than the elevated COD level, there is no concern on the sampling result.

There are two SIC codes associated with the facility operations; 2531 and 3499. According to the Stormwater General Permit, appendices J and U are applicable. Pollutant parameters from both appendices are incorporated into the permit. Accordingly, the following parameters are required to be monitored at Outfalls 006 and 015: Total Nitrogen, Total Phosphorus, pH, TSS, Oil & Grease, Nitrate +Nitrite – Nitrogen, Total Aluminum, Total Iron, Total Zinc and COD.

Operations Section is ok with the approval.

### 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. 006

Design Flow (MGD) 0

Latitude 40° 3' 25.30"

Longitude -75° 39' 4.93"

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

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

Wastewater Description: Stormwater

Receiving Waters Pine Creek (HQ-TSF, MF)

Stream Code \_\_\_\_\_

NHD Com ID 25969690

RMI 1.7200

Drainage Area \_\_\_\_\_

Yield (cfs/mi<sup>2</sup>) \_\_\_\_\_

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

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

Elevation (ft) \_\_\_\_\_

Slope (ft/ft) \_\_\_\_\_

Watershed No. 3-D

Chapter 93 Class. HQ-TSF, MF

Existing Use \_\_\_\_\_

Existing Use Qualifier \_\_\_\_\_

Exceptions to Use \_\_\_\_\_

Exceptions to Criteria \_\_\_\_\_

Assessment Status Impaired

\_\_\_\_\_

Cause(s) of Impairment CAUSE UNKNOWN, FLOW REGIME MODIFICATION

\_\_\_\_\_

Source(s) of Impairment URBAN RUNOFF/STORM SEWERS, URBAN RUNOFF/STORM SEWERS

\_\_\_\_\_

TMDL Status \_\_\_\_\_

Name \_\_\_\_\_

Background/Ambient Data \_\_\_\_\_

Data Source \_\_\_\_\_

pH (SU) \_\_\_\_\_

\_\_\_\_\_

Temperature (°F) \_\_\_\_\_

\_\_\_\_\_

Hardness (mg/L) \_\_\_\_\_

\_\_\_\_\_

Other: \_\_\_\_\_

\_\_\_\_\_

Nearest Downstream Public Water Supply Intake \_\_\_\_\_

\_\_\_\_\_

PWS Waters \_\_\_\_\_

Flow at Intake (cfs) \_\_\_\_\_

PWS RMI \_\_\_\_\_

Distance from Outfall (mi) \_\_\_\_\_

Changes Since Last Permit Issuance:

Other Comments:

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	015	Design Flow (MGD)	0
Latitude	40° 3' 25.30"	Longitude	-75° 39' 4.93"
Quad Name		Quad Code	
Wastewater Description:	Stormwater		
Receiving Waters	Pine Creek (HQ-TSF, MF)	Stream Code	
NHD Com ID	25969690	RMI	1.7200
Drainage Area		Yield (cfs/mi <sup>2</sup> )	
Q <sub>7-10</sub> Flow (cfs)		Q <sub>7-10</sub> Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	3-D	Chapter 93 Class.	HQ-TSF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	CAUSE UNKNOWN, FLOW REGIME MODIFICATION		
Source(s) of Impairment	URBAN RUNOFF/STORM SEWERS, URBAN RUNOFF/STORM SEWERS		
TMDL Status		Name	
Background/Ambient Data		Data Source	
pH (SU)			
Temperature (°F)			
Hardness (mg/L)			
Other:			
Nearest Downstream Public Water Supply Intake			
PWS Waters		Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	

Changes Since Last Permit Issuance:

Other Comments:

Compliance History	
<b>Summary of DMRs:</b>	[REDACTED]
<b>Summary of Inspections:</b>	[REDACTED]

Other Comments: [REDACTED]

Compliance History

DMR Data for Outfall 006 (from December 1, 2023 to November 30, 2024)

Parameter	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24	MAY-24	APR-24	MAR-24	FEB-24	JAN-24	DEC-23
pH (S.U.) Daily Maximum						7.32						7.73
COD (mg/L) Daily Maximum						30						57
TSS (mg/L) Daily Maximum						11						8.9
Oil and Grease (mg/L) Daily Maximum						2.2						2.6
Nitrate-Nitrite (mg/L) Daily Maximum						0.87						0.40
Total Nitrogen (mg/L) Daily Maximum						2.5						2.4
Total Phosphorus (mg/L) Daily Maximum						0.79						0.14
Total Aluminum (mg/L) Daily Maximum						0.35						0.12
Total Iron (mg/L) Daily Maximum						0.76						0.29
Total Zinc (mg/L) Daily Maximum						0.1						0.045

DMR Data for Outfall 012 (from December 1, 2023 to November 30, 2024)

Parameter	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24	MAY-24	APR-24	MAR-24	FEB-24	JAN-24	DEC-23
pH (S.U.) Daily Maximum						7.78						7.73
COD (mg/L) Daily Maximum						140						130
TSS (mg/L) Daily Maximum						26						11
Oil and Grease (mg/L) Daily Maximum						2.2						3.8
Nitrate-Nitrite (mg/L) Daily Maximum						1.7						0.92

Total Nitrogen (mg/L) Daily Maximum						4.7							2.9
Total Phosphorus (mg/L) Daily Maximum						0.077							0.11
Total Aluminum (mg/L) Daily Maximum						0.43							0.16
Total Iron (mg/L) Daily Maximum						0.56							0.26
Total Zinc (mg/L) Daily Maximum						0.048							0.039

**DMR Data for Outfall 013 (from December 1, 2023 to November 30, 2024)**

Parameter	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24	MAY-24	APR-24	MAR-24	FEB-24	JAN-24	DEC-23	
pH (S.U.) Daily Maximum						7.65							7.73
COD (mg/L) Daily Maximum						150							140
TSS (mg/L) Daily Maximum						9.5							28
Oil and Grease (mg/L) Daily Maximum						3.8							4.0
Nitrate-Nitrite (mg/L) Daily Maximum						1.1							0.74
Total Nitrogen (mg/L) Daily Maximum						3.8							2.7
Total Phosphorus (mg/L) Daily Maximum						0.075							0.14
Total Aluminum (mg/L) Daily Maximum						0.31							0.27
Total Iron (mg/L) Daily Maximum						0.51							0.48
Total Zinc (mg/L) Daily Maximum						0.074							0.087

**DMR Data for Outfall 015 (from December 1, 2023 to November 30, 2024)**

Parameter	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24	MAY-24	APR-24	MAR-24	FEB-24	JAN-24	DEC-23
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pH (S.U.) Daily Maximum					7.83							6.97
COD (mg/L) Daily Maximum					13							66
TSS (mg/L) Daily Maximum					5.5							26
Oil and Grease (mg/L) Daily Maximum					2.3							2.6
Nitrate-Nitrite (mg/L) Daily Maximum					0.11							< 0.040
Total Nitrogen (mg/L) Daily Maximum					1.1							2.2
Total Phosphorus (mg/L) Daily Maximum					0.24							2.1
Total Aluminum (mg/L) Daily Maximum					0.16							< 0.10
Total Iron (mg/L) Daily Maximum					0.35							9.7
Total Zinc (mg/L) Daily Maximum					0.042							0.039

**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 006, 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		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Nitrate-Nitrite	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 Iron	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: 

Other Comments: 

**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 015, 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		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Nitrate-Nitrite	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 Iron	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: 

Other Comments: 