

Application Type Renewal  
Facility Type Storm Water  
Major / Minor Minor

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

Application No. PAS608301  
APS ID 1008303  
Authorization ID 1299868

**Applicant and Facility Information**

Applicant Name	<u>Harsco Corporation</u>	Facility Name	<u>Harsco Minerals of PA</u>
Applicant Address	<u>359 North Pike Road</u> <u>Sarver, PA 16055-8633</u>	Facility Address	<u>359 North Pike Road</u> <u>Sarver, PA 16055-8633</u>
Applicant Contact	<u>Glenn Hundertmark</u>	Facility Contact	<u>Todd Porter</u>
Applicant Phone	<u>(724) 744-6662</u>	Facility Phone	<u>(724) 353-0055</u>
Client ID	<u>77319</u>	Site ID	<u>464836</u>
SIC Code	<u>3999</u>	Municipality	<u>Winfield Township</u>
SIC Description	<u>Manufacturing - Manufacturing Industries, Nec</u>	County	<u>Butler</u>
Date Application Received	<u>November 25, 2019</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>December 27, 2019</u>	If No, Reason	<u></u>
Purpose of Application	<u>Renewal of a NPDES Permit for an existing discharge of IW Stormwater</u>		

**Summary of Review**

This facility sorts and sizes slag from various steel manufacturing operations and produces stainless steel chips and final aggregate for reuse. The sources of wastewater from this facility is stormwater from industrial activities.

No changes to the permit were proposed as part of this permit renewal.

There are currently no open violations listed in EFACTS for this permittee (5/26/2022).

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		Adam J. Pesek Adam J. Pesek, E.I.T. / Project Manager	May 26, 2022
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	June 3, 2022

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>005</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>40° 45' 22.6"</u>	Longitude	<u>-79° 45' 38.1"</u>
Quad Name	<u>Saxonburg</u>	Quad Code	<u>1207</u>
Wastewater Description: <u>Stormwater not associated with industrial activities</u>			
Receiving Waters	<u>Little Buffalo Creek</u>	Stream Code	<u>42526</u>
NHD Com ID	<u>123973215</u>	RMI	<u>5.7</u>
Drainage Area	<u>6.44</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.0133</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.0856</u>	Q <sub>7-10</sub> Basis	<u>USGS Streamstats</u>
Elevation (ft)	<u>1240</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>18-F</u>	Chapter 93 Class.	<u>HQ-TSF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>Nutrients, other habitat alterations</u>		
Source(s) of Impairment	<u>Agriculture, removal of vegetation</u>		
TMDL Status	<u>Pending</u>	Name	<u></u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	Default	<u></u>
Temperature (°C)	<u>25</u>	Default (TSF)	<u></u>
Hardness (mg/L)	<u>220</u>	USGS Gage 03049000	<u></u>
Other:	<u></u>	<u></u>	<u></u>
Nearest Downstream Public Water Supply Intake	<u>Harrison Township Water Authority</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>2,390</u>
PWS RMI	<u>24.5</u>	Distance from Outfall (mi)	<u>16.5</u>

Changes Since Last Permit Issuance: Closer PWS intake was identified.

Other Comments:

**Discharge, Receiving Waters and Water Supply Information**

Outfall No.	<u>001, 006, and 007</u>	Design Flow (MGD)	<u>0</u>
	<u>40° 45' 3.9"</u>		<u>-79° 45' 41.1"</u>
	<u>40° 45' 3.5"</u>		<u>-79° 45' 38.1"</u>
Latitude	<u>40° 44' 46.9"</u>	Longitude	<u>-79° 45' 33.9"</u>
Quad Name	<u>Saxonburg</u>	Quad Code	<u>1207</u>
Wastewater Description:	<u>Stormwater associated with industrial activity</u>		

Receiving Waters	<u>Little Buffalo Creek (HQ-TSF)</u>	Stream Code	<u>42565</u>
NHD Com ID	<u>123973215</u>	RMI	<u>Varies per Outfall</u>
Drainage Area	<u>6.44</u>	Yield (cfs/mi <sup>2</sup> )	<u>5.7</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.0856</u>	Q <sub>7-10</sub> Basis	<u>0.0133</u>
Elevation (ft)	<u>1240</u>	Slope (ft/ft)	<u>USGS Streamstats</u>
Watershed No.	<u>18-F</u>	Chapter 93 Class.	<u>HQ-TSF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>

Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>HABITAT ALTERATIONS, NUTRIENTS</u>		
Source(s) of Impairment	<u>AGRICULTURE, ON-SITE TREATMENT SYSTEMS (SEPTIC SYSTEMS AND SIMILAR DECENTRALIZED SYSTEMS), REMOVAL OF RIPARIAN VEGETATION</u>		
TMDL Status	<u></u>	Name	<u></u>

Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	Default	<u></u>
Temperature (°F)	<u>25</u>	Default (TSF)	<u></u>
Hardness (mg/L)	<u>220</u>	USGS Gage 03049000	<u></u>
Other:	<u></u>		<u></u>

Nearest Downstream Public Water Supply Intake	<u>Harrison Township Water Authority</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>2,390</u>
PWS RMI	<u>24.5</u>	Distance from Outfall (mi)	<u>16.5</u>

Changes Since Last Permit Issuance: Closer PWS intake was identified.

Other Comments:

<b>Compliance History</b>	
<b>Summary of Inspections:</b>	Last site inspection conducted on 6/09/2018. No issues were reported in the inspection report.
<b>Violations</b>	A CACP was executed on February 3, 2020 for the late submission of the renewal application.

Other Comments:

Compliance History

DMR Data for Outfall 005 (from February 1, 2021 to January 31, 2022)

Parameter	JAN-22	DEC-21	NOV-21	OCT-21	SEP-21	AUG-21	JUL-21	JUN-21	MAY-21	APR-21	MAR-21	FEB-21
Flow (MGD) Daily Maximum		0.01						0.0145				
pH (S.U.) Instantaneous Maximum		7.06						7.68				
BOD5 (mg/L) Instantaneous Maximum		3.1						3.4				
TSS (mg/L) Instantaneous Maximum		5						< 5				
Total Alkalinity (mg/L) Instantaneous Maximum		101						119				
Total Aluminum (mg/L) Instantaneous Maximum		< 0.05						< 0.05				
Total Chromium (mg/L) Instantaneous Maximum		0.014						< 0.0025				
Total Copper (mg/L) Instantaneous Maximum		< 0.005						< 0.005				
Total Iron (mg/L) Instantaneous Maximum		1.1						0.30				
Total Manganese (mg/L) Instantaneous Maximum		0.12						0.064				

**Development of Effluent Limitations**

<b>Outfall No.</b>	<u>001</u>	<b>Design Flow (MGD)</b>	<u>0</u>
<b>Latitude</b>	<u>40° 45' 3.9"</u>	<b>Longitude</b>	<u>79° 45' 41.1"</u>
<b>Wastewater Description:</b> <u>Stormwater from industrial activities</u>			

<b>Outfall No.</b>	<u>005</u>	<b>Design Flow (MGD)</b>	<u>0</u>
<b>Latitude</b>	<u>40° 45' 22.6"</u>	<b>Longitude</b>	<u>79° 45' 38.1"</u>
<b>Wastewater Description:</b> <u>Stormwater not associated with industrial activities</u>			

<b>Outfall No.</b>	<u>006</u>	<b>Design Flow (MGD)</b>	<u>0</u>
<b>Latitude</b>	<u>40° 45' 3.5"</u>	<b>Longitude</b>	<u>79° 45' 31.6"</u>
<b>Wastewater Description:</b> <u>Stormwater from industrial activities</u>			

<b>Outfall No.</b>	<u>007</u>	<b>Design Flow (MGD)</b>	<u>0</u>
<b>Latitude</b>	<u>40° 44' 46.9"</u>	<b>Longitude</b>	<u>79° 38' 33.9"</u>
<b>Wastewater Description:</b> <u>Stormwater from industrial activities</u>			

**Technology-Based Limitations**

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Comments: None

**Water Quality-Based Limitations**

The following limitations were determined through water quality modeling (output files attached):

Comments: None

**Best Professional Judgment (BPJ) Limitations**

Comments: Monitoring Requirements and Benchmark values from the PAG-03 General Permit (Expired), Appendix B, will be placed in the permit in accordance with the Department's SOP entitled "Establishing Effluent Limitations for Individual Industrial Permits." Parameters found in Appendix B are TSS, total aluminum, total zinc, total copper, total iron and total lead.

**Additional Considerations**

Monitoring for total alkalinity and pH will be retained in this proposed renewed permit to as stormwater that comes into stockpiles at the site are known to be highly alkaline and of high pH.

Monitoring for flow will be retained at Outfalls 001, 006, and 007 based on Chapter 92a.61

Outfalls 001, 006, and 007 have an existing requirement, that will be retained in this permit renewal, that a discharge shall not occur except from a 25-year 24-hr rain event or greater as the facility's chosen method to satisfy antidegradation requirements to the HQ watershed.

**Anti-Backsliding**

N/A

**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) <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		
Flow (MGD)	XXX	Report Daily Max	XXX	XXX	XXX	XXX	Daily when Discharging	Estimate
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Alkalinity, Total (as CaCO <sub>3</sub> )	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Aluminum, Total	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Copper, Total	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Iron, Total	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Lead, Total	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Zinc, Total	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab

Compliance Sampling Location: Outfall 001 (prior to mixing with any other waters)

Other Comments: Discharge shall not occur at this outfall except from a 25-year 24-hr rain event or greater. Any discharge from this pond must be measured for the parameters shown and additional samples must be taken for each day that the discharge continues.

**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 005, 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
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Alkalinity, Total (as CaCO3)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Aluminum, Total	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Copper, Total	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Iron, Total	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Lead, Total	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Zinc, Total	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 005 (prior to mixing with any other waters)

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” (362-0400-001), 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		
Flow (MGD)	XXX	Report Daily Max	XXX	XXX	XXX	XXX	Daily when Discharging	Estimate
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Alkalinity, Total (as CaCO <sub>3</sub> )	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Aluminum, Total	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Copper, Total	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Iron, Total	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Lead, Total	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Zinc, Total	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab

Compliance Sampling Location: Outfall 006 (prior to mixing with any other waters)

Other Comments: Discharge shall not occur at this outfall except from a 25-year 24-hr rain event or greater. Any discharge from this pond must be measured for the parameters shown and additional samples must be taken for each day that the discharge continues.

**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 007, 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		
Flow (MGD)	XXX	Report Daily Max	XXX	XXX	XXX	XXX	Daily when Discharging	Estimate
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Alkalinity, Total (as CaCO <sub>3</sub> )	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Aluminum, Total	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Copper, Total	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Iron, Total	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Lead, Total	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Zinc, Total	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab

Compliance Sampling Location: Outfall 007 (prior to mixing with any other waters)

Other Comments: Discharge shall not occur at this outfall except from a 25-year 24-hr rain event or greater. Any discharge from this pond must be measured for the parameters shown and additional samples must be taken for each day that the discharge continues.