

Application Type Renewal  
Facility Type Storm Water  
Major / Minor Minor

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

Application No. PA0244317  
APS ID 1107126  
Authorization ID 1472589

**Applicant and Facility Information**

Applicant Name	<u>Wilcox Auto Salvage, Inc.</u>	Facility Name	<u>Wilcox Auto Salvage Facility</u>
Applicant Address	<u>241 Old Mill Road</u> <u>Sellersville, PA 18960</u>	Facility Address	<u>241 Old Mill Road</u> <u>Sellersville, PA 18960</u>
Applicant Contact	<u>Thomas Wilcox</u>	Facility Contact	<u>Thomas Wilcox</u>
Applicant Phone	<u>(215) 257-1220</u>	Facility Phone	<u>(215) 257-1220</u>
Client ID	<u>206998</u>	Site ID	<u>659567</u>
SIC Code	<u>5015,5093</u>	Municipality	<u>West Rockhill Township</u>
SIC Description	<u>Wholesale Trade - Motor Vehicle Parts, Used, Wholesale Trade - Scrap And Waste Materials</u>	County	<u>Bucks</u>
Date Application Received	<u>January 9, 2024</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u></u>
Purpose of Application	<u>Permit Renewal.</u>		

**Summary of Review**

The applicant requests renewal of permit to discharge stormwater from an automobile and scrap metal salvage yard to Three Mile Run, a tributary to Tohickon Creek. There are three outfalls on the property. Outfall 001 receives runoff from the processing (crushing, metal sorting) areas and discharges at the southwest corner of the property. Outfall 002 receives runoff from the material storage area and discharges at the northwest corner of the property. Outfall 003 may discharge stormwater only during extreme storm events to a roadside ditch at northwest corner of the site. Outfall 003 is not required to monitor because there is no discharge of stormwater most of the time.

The discharge was initially authorized through a general stormwater permit (PAR600087) issued on November 22, 2005. The facility was in significant non-compliance with the conditions of the general permit. As a result, the Department required the permittee to submit an application for an individual industrial wastewater NPDES permit for the stormwater discharge. The application was received and site inspections were conducted by the BCHD and DEP. Samples were collected from the outfalls, nearby swale, and wells located at the facility and on a neighboring property. Based on the results of the inspections and sample results, the permittee was requested to develop and implement a plan to eliminate/reduce the discharge of contaminants from the property.

The permittee implemented a stormwater management plan, constructed a retention pond at Outfall 001, changed the landscape of the property, placed retaining walls to reduce the slope of the surface to a minimum grade, and installed catch basins with filters to remove contaminants from the stormwater.

After completing the site modifications, the permittee collected stormwater samples from the outfalls and the results indicated a substantial reduction in the level of contaminants.

Approve	Deny	Signatures	Date
X		<i>Ketan Thaker</i> Ketan Thaker / Project Manager	5/4/2024
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	05/14/2024

### Summary of Review

For this permit renewal, the effluent limits for pH and Oil & Grease will remain the same. Monitoring requirements for all other parameters and sampling frequencies (quarterly for Outfall 001 and annually for Outfall 002) are unchanged. The site specific BMPs in Part C, are revised based on new General Permit (PAG-03) Appendix O (Automobile Salvage Yards) and Appendix P (Scrap and waste recycling facilities). Effluent limits of 100 mg/l for Total Suspended Solids (TSS) and 120 mg/l for Chemical Oxygen Demand (COD) are included in this permit renewal in place of monitoring. The last permit had benchmark values for TSS and COD. We have added monitoring requirements for Total Phosphorus and Total Nitrogen for both outfalls 001 and 002 based on Appendix O and Appendix P of the new General Permit PAG-03. With proper implementation of BMPs, permittee can meet effluent limits and permit conditions.

Act-14 Notification to West Rockhill Township on May 10, 2024.  
Act-14 Notification to Bucks County on May 10, 2024.

#### 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.	<u>001</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>40° 22' 45.70"</u>	Longitude	<u>-75° 19' 12.42"</u>
Quad Name	_____	Quad Code	_____
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>Three Mile Run</u>	Stream Code	_____
NHD Com ID	<u>26053650</u>	RMI	_____
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.	<u>2-D</u>	Chapter 93 Class.	_____
Existing Use	_____	Existing Use Qualifier	_____
Exceptions to Use	_____	Exceptions to Criteria	_____
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>FLOW REGIME MODIFICATION, NUTRIENTS,</u>		
Source(s) of Impairment	<u>HIGHWAY/ROAD/BRIDGE RUNOFF (NON-CONSTRUCTION RELATED), REMOVAL</u>		
	<u>OF RIPARIAN VEGETATION</u>		
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)	_____

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

Outfall No. 002 Design Flow (MGD) 0

Latitude 40° 22' 51.56" Longitude -75° 19' 23.02"

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

Wastewater Description: Stormwater

Receiving Waters Three Mile Run (TSF, MF) Stream Code \_\_\_\_\_

NHD Com ID 26053652 RMI \_\_\_\_\_

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. 2-D Chapter 93 Class. TSF, MF

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

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

Assessment Status Impaired

Cause(s) of Impairment FLOW REGIME MODIFICATION, NUTRIENTS,

Source(s) of Impairment HIGHWAY/ROAD/BRIDGE RUNOFF (NON-CONSTRUCTION RELATED), REMOVAL

OF RIPARIAN VEGETATION

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) \_\_\_\_\_

Compliance History

DMR Data for Outfall 001 (from April 1, 2023 to March 31, 2024)

Parameter	MAR-24	FEB-24	JAN-24	DEC-23	NOV-23	OCT-23	SEP-23	AUG-23	JUL-23	JUN-23	MAY-23	APR-23
pH (S.U.) Instantaneous Minimum	6.06			6.75			6.64			6.89		
pH (S.U.) Instantaneous Maximum	6.06			6.75			6.64			6.89		
COD (mg/L) Daily Maximum	401			44			38			87		
TSS (mg/L) Daily Maximum	23			4			5			23		
Oil and Grease (mg/L) Daily Maximum	5			5			5			5		
Total Aluminum (mg/L) Daily Maximum	0.69			0.07			0.11			0.02		
Total Copper (mg/L) Daily Maximum	0.069			0.018			0.023			0.010		
Total Iron (mg/L) Daily Maximum	1.21			0.25			0.36			0.30		
Total Lead (mg/L) Daily Maximum	0.03			0.01			0.01			0.01		
Total Mercury (mg/L) Daily Maximum	0.0003			0.0002			0.0002			0.0002		
Total Zinc (mg/L) Daily Maximum	0.102			0.035			0.030			0.006		

DMR Data for Outfall 002 (from April 1, 2023 to March 31, 2024)

Parameter	MAR-24	FEB-24	JAN-24	DEC-23	NOV-23	OCT-23	SEP-23	AUG-23	JUL-23	JUN-23	MAY-23	APR-23
pH (S.U.) Instantaneous Minimum				6.69								
pH (S.U.) Instantaneous Maximum				6.69								
COD (mg/L) Daily Maximum				45								

TSS (mg/L) Daily Maximum				28								
Oil and Grease (mg/L) Daily Maximum				5								
Total Aluminum (mg/L) Daily Maximum				1.15								
Total Copper (mg/L) Daily Maximum				0.057								
Total Iron (mg/L) Daily Maximum				2.16								
Total Lead (mg/L) Daily Maximum				0.05								
Total Mercury (mg/L) Daily Maximum				0.0004								
Total Zinc (mg/L) Daily Maximum				0.208								

**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	Daily Maximum	Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
COD	XXX	XXX	XXX	120.0	XXX	XXX	1/quarter	Grab
TSS	XXX	XXX	XXX	100.0	XXX	XXX	1/quarter	Grab
Oil and Grease	XXX	XXX	XXX	15	XXX	30	1/quarter	Grab
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Calculation
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Total Aluminum	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Total Copper	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Total Iron	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Total Lead	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Total Mercury	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Total Zinc	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab

**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 002, 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	Daily Maximum	Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
COD	XXX	XXX	XXX	120.0	XXX	XXX	1/year	Grab
TSS	XXX	XXX	XXX	100.0	XXX	XXX	1/year	Grab
Oil and Grease	XXX	XXX	XXX	15	XXX	30	1/year	Grab
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/year	Calculation
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
Total Aluminum	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
Total Copper	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
Total Lead	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
Total Mercury	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
Total Zinc	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab