

Application Type Renewal
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0056553
APS ID 1100660
Authorization ID 1461349

Applicant and Facility Information

Applicant Name	<u>Allan Myers, L.P. DBA Allan Myers Materials</u>	Facility Name	<u>Devault Asphalt Plant</u>
Applicant Address	<u>638 Lancaster Avenue Malvern, PA 19355</u>	Facility Address	<u>4045 State Road Devault, PA 19432</u>
Applicant Contact	<u>David Schnackenberg</u>	Facility Contact	<u>Tim Barrett</u>
Applicant Phone	<u>(610) 222-3182</u>	Facility Phone	<u>(610) 637-2429</u>
Client ID	<u>161209</u>	Site ID	<u>485549</u>
SIC Code	<u>2951</u>	Municipality	<u>Charlestown Township</u>
SIC Description	<u>Manufacturing - Concrete Block and Brick</u>	County	<u>Chester</u>
Date Application Received	<u>October 25, 2023</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 an NPDES permit to discharge stormwater from their asphalt manufacturing facility to an unnamed tributary to Pickering Creek which is classified as HQ-TSF.

The facility is a hot mix asphalt plant for the preparation and distribution of asphalt and maintenance shop. Asphalt emulsion is received via tank truck and is pumped into a closed storage tank. It is delivered to the point of use by pumping and piping designed to minimize the potential for contact with precipitation. The product of the hot mix plant is placed directly into trucks equipped with covers to minimize contact with precipitation. Stone, sand, gravel and recycled asphalt materials are stored at the site for use in the manufacturing process of hot mix asphalt.

There is an underground storage tank that is used to dispense ULSD fuel at a fuel island. If a spill were to occur, the spilled material would flow over an impermeable surface to a concrete-lined sump, where it would be contained. There are few above ground and underground tanks for materials and different fluids at the facility. Stormwater from the facility is being discharged into UNT to Pickering Creek through outfall 001. The facility has SIC code 2951 and is subjected to Appendix M (Asphalt Paving) of General Permit PAG03. Current NPDES permit has effluent limits for pH, Oil and Grease. This permit renewal includes effluent limit of 100 mg/l for Total Suspended Solids (TSS) and effluent limit of 120 mg/l for Chemical Oxygen Demand (COD) which is consistent with of General Permit PAG-03 for Asphalt Plant. Sampling frequency is 1/6-months for all parameters. We have added monitoring requirement for Total Nitrogen for this permit renewal which is consistent with PAG03. The Best Management Practices (BMPs) employed at the facility includes street sweeping, control stockpiles and sedimentation basin. The permittee must implement and as necessary, maintain all BMPs to remain in compliance with permit conditions and effluent limits.

Act-14 notification to Charlestown Township Board of supervisor on October 5, 2023.

Act-14 notification to Chester County Commissioners Office on October 5, 2023.

Approve	Deny	Signatures	Date
X		<i>Ketan Thaker</i> Ketan Thaker / Project Manager	4/30/2024
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	04/30/2024

Summary of Review

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° 4' 49.41"</u>	Longitude	<u>-75° 32' 5.60"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Stormwater</u>			

Receiving Waters	<u>Unnamed Tributary of Pickering Creek (HQ-TSF, MF)</u>	Stream Code	<u>01518</u>
NHD Com ID	<u>25980312</u>	RMI	<u>1.7</u>
Drainage Area	<u></u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u></u>	Q ₇₋₁₀ Basis	<u></u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>3-D</u>	Chapter 93 Class.	<u>HQ-TSF, MF</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>CAUSE UNKNOWN</u>		
Source(s) of Impairment	<u>URBAN RUNOFF/STORM SEWERS</u>		
TMDL Status	<u></u>	Name	<u></u>

Background/Ambient Data	Data Source
pH (SU)	<u></u>
Temperature (°F)	<u></u>
Hardness (mg/L)	<u></u>
Other:	<u></u>

Nearest Downstream Public Water Supply Intake	
PWS Waters	<u></u> Flow at Intake (cfs) <u></u>
PWS RMI	<u></u> Distance from Outfall (mi) <u></u>

Compliance History

DMR Data for Outfall 001 (from March 1, 2023 to February 29, 2024)

Parameter	FEB-24	JAN-24	DEC-23	NOV-23	OCT-23	SEP-23	AUG-23	JUL-23	JUN-23	MAY-23	APR-23	MAR-23
pH (S.U.) Instantaneous Minimum			7.7						8.0			
pH (S.U.) Instantaneous Maximum			7.7						8.0			
COD (mg/L) Daily Maximum			580						430			
TSS (mg/L) Daily Maximum			770						510			
Oil and Grease (mg/L) Semi-Annual Average			< 6.1						9.1			
Oil and Grease (mg/L) Instantaneous Maximum			< 6.1						9.1			
Total Phosphorus (mg/L) Daily Maximum			0.42						1.4			

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) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ 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	1/6 months	Grab
COD	XXX	XXX	XXX	120.0	XXX	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	100.0	XXX	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	15.0 SEMI AVG	XXX	30.0	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	Report	XXX	Report	1/6 months	Calculation
Total Phosphorus	XXX	XXX	XXX	Report	XXX	Report	1/6 months	Grab