

Application Type Renewal
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0244911
APS ID 1056350
Authorization ID 1384413

Applicant and Facility Information

Applicant Name	<u>AC Miller Concrete Products, Inc.</u>	Facility Name	<u>AC Miller Concrete - Spring City Plant</u>
Applicant Address	<u>31 E. Bridge Street</u> <u>Spring City, PA 19475-1404</u>	Facility Address	<u>31 E. Bridge Street</u> <u>Spring City, PA 19475-1404</u>
Applicant Contact	<u>Arthur Miller</u>	Facility Contact	<u>Arthur Miller</u>
Applicant Phone	<u>(610) 948-4600</u>	Facility Phone	<u>(610) 948-4600</u>
Client ID	<u>328498</u>	Site ID	<u>816186</u>
SIC Code	<u>3272</u>	Municipality	<u>Spring City Borough</u>
SIC Description	<u>Manufacturing - Concrete Products</u>	County	<u>Chester</u>
Date Application Received	<u>January 21, 2022</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 is requesting renewal of an individual NPDES permit to discharge stormwater from AC Miller Concrete-Spring City Plant to an Unnamed Tributary to Schuylkill River in watershed – 3D, designated Warm Water Fishes, Migratory Fishes (WWF, MF) under Chapter 93.

The facility is a precast concrete plant. Batch plant concrete is poured into forms for various uses. Finished product is stored outside on the north side of the operations building.

There are three outfalls at the site: 001, 002 and 003. Outfalls 001 and 003 discharging stormwater from driveways and roof drains. Outfall 003 discharges stormwater from roof drains.

Outfall 001 is located at the north end of the storage yard and discharges to an old mill pond. Outfall 002 is located on the northeast side of the storage yard. Outfall 003 is located on the eastern side. According to the application a filter bag on Outfall 002 serves as a BMP.

Sampling results reported in the application show elevated level of COD at Outfall 002. Only one result is reported, and it is informed that this outfall has recently been flooded due to beaver activity. This issue will be reevaluated at the next renewal and monitoring requirement may be incorporated in the permit if necessary.

eDMR review shows a couple of effluent violations for pH and TSS. No comments received from Operations on the application.

The existing permit limits for this facility are pH (Instantaneous Minimum of 6.0 to Instantaneous Maximum of 9.0 S.U.), Total Suspended Solids (Average Quarterly of 50 mg/l and Instantaneous Maximum of 100 mg/l), and Oil and Grease (Average

Approve	Deny	Signatures	Date
X		<i>Sara Abraham</i> Sara Reji Abraham, E.I.T. / Project Manager	February 25, 2022
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	02/28/2022

Summary of Review

Quarterly of 15 mg/l and Instantaneous Maximum of 30 mg/l). These limits and Part C requirements are in accordance with other concrete facilities in the Southeast Region and recommended to continue in the draft permit.

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.

Act 14 Notifications:

Spring City Borough - October 12, 2021
Chester County - October 22, 2021

Permit Conditions:

- A. Stormwater Outfalls
- B. Best Management Practices (BMPs)
- C. Routine Inspections
- D. PPC Plan
- E. Stormwater Monitoring
- F. Acquire Necessary Property Rights
- G. Proper Sludge Disposal
- H. BAT/ELG Reopener
- I. Small Stream Discharge

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>40° 11' 4.15"</u>	Longitude	<u>-75° 33' 0.09"</u>
Quad Name	<u>Phoenixville</u>	Quad Code	<u>1741</u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>Unnamed Trib to Schuylkill River</u>	Stream Code	<u>01619</u>
NHD Com ID	<u>25989396</u>	RMI	<u>0.0200</u>
Drainage Area	<u>0.00364 mi²</u>	Yield (cfs/mi ²)	<u>0.160</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.000583</u>	Q ₇₋₁₀ Basis	<u>PA StreamStats *</u>
Elevation (ft)	<u>110.4</u>	Slope (ft/ft)	<u>2</u>
Watershed No.	<u>3-D</u>	Chapter 93 Class.	<u>WWF, MF</u>
Assessment Status	<u>Not Assessed</u>		

*from previous fact sheet

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>002</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>40° 11' 3.12"</u>	Longitude	<u>-75° 32' 59.32"</u>
Quad Name	<u>Phoenixville</u>	Quad Code	<u>1741</u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>Unnamed Trib to Schuylkill River</u>	Stream Code	<u>01619</u>
NHD Com ID	<u>25989396</u>	RMI	<u>0.0000</u>
Watershed No.	<u>3-D</u>	Chapter 93 Class.	<u>WWF, MF</u>
Assessment Status	<u>Not Assessed</u>		

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>003</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>40° 11' 3.12"</u>	Longitude	<u>-75° 32' 59.32"</u>
Quad Name	<u>Phoenixville</u>	Quad Code	<u>1741</u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>Unnamed Trib to Schuylkill River</u>	Stream Code	<u>01619</u>
NHD Com ID	<u>25989396</u>	RMI	<u>0.0000</u>
Watershed No.	<u>3-D</u>	Chapter 93 Class.	<u>WWF, MF</u>
Assessment Status	<u>Not Assessed</u>		

Treatment Facility Summary				
Treatment Facility Name: Ac Miller Concrete - Spring City Plant				
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Storm Water				
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal

Compliance History

DMR Data for Outfall 001 (from January 1, 2021 to December 31, 2021)

Parameter	DEC-21	NOV-21	OCT-21	SEP-21	AUG-21	JUL-21	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21
pH (S.U.) Instantaneous Minimum	8.39			7.83			7.58			7.49		
pH (S.U.) Instantaneous Maximum	8.39			7.83			7.58			9.98		
TSS (mg/L) Average Monthly	< 5.0			< 5.0			12.0			47.5		
TSS (mg/L) Instantaneous Maximum	< 5.0			< 5.0			12.0			95.0		
Oil and Grease (mg/L) Average Monthly	< 4.0			< 4.0			6.3			< 4.0		
Oil and Grease (mg/L) Instantaneous Maximum	< 4.0			< 4.0			6.3			< 4.0		

DMR Data for Outfall 002 (from January 1, 2021 to December 31, 2021)

Parameter	DEC-21	NOV-21	OCT-21	SEP-21	AUG-21	JUL-21	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21
pH (S.U.) Instantaneous Minimum	7.63			8.12			8.84			7.73		
pH (S.U.) Instantaneous Maximum	7.63			8.39			8.84			7.73		
TSS (mg/L) Average Monthly	27.0			54.0			11.0			< 5.0		
TSS (mg/L) Instantaneous Maximum	27.0			54.0			11.0			< 5.0		
Oil and Grease (mg/L) Average Monthly	< 4.0			< 4.0			< 4.4			< 4.0		
Oil and Grease (mg/L) Instantaneous Maximum	< 4.0			< 4.0			< 4.4			< 4.0		

DMR Data for Outfall 003 (from January 1, 2021 to December 31, 2021)

Parameter	DEC-21	NOV-21	OCT-21	SEP-21	AUG-21	JUL-21	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21
pH (S.U.) Instantaneous Minimum	7.81			7.67			7.32			7.77		
pH (S.U.) Instantaneous Maximum	7.81			7.67			7.32			7.77		
TSS (mg/L) Average Monthly	< 5.0			33.0			27.0			< 5.0		
TSS (mg/L) Instantaneous Maximum	< 5.0			33.0			27.0			< 5.0		
Oil and Grease (mg/L) Average Monthly	< 3.6			< 4.0			< 4.0			< 4.0		
Oil and Grease (mg/L) Instantaneous Maximum	< 3.6			< 4.0			< 4.0			< 4.0		

Compliance History

Effluent Violations for Outfall 001, from: February 1, 2021 To: December 31, 2021

Parameter	Date	SBC	DMR Value	Units	Limit Value	Units
pH	03/31/21	IMAX	9.98	S.U.	9.0	S.U.

Effluent Violations for Outfall 002, from: February 1, 2021 To: December 31, 2021

Parameter	Date	SBC	DMR Value	Units	Limit Value	Units
TSS	09/30/21	Avg Mo	54.0	mg/L	50.0	mg/L

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	Average Quarterly	Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
TSS	XXX	XXX	XXX	50.0	XXX	100.0	1/quarter	Grab
Oil and Grease	XXX	XXX	XXX	15.0	XXX	30.0	1/quarter	Grab

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Outfall 002, 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	Average Quarterly	Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
TSS	XXX	XXX	XXX	50.0	XXX	100.0	1/quarter	Grab
Oil and Grease	XXX	XXX	XXX	15.0	XXX	30.0	1/quarter	Grab

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Outfall 003, 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	Average Quarterly	Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
TSS	XXX	XXX	XXX	50.0	XXX	100.0	1/quarter	Grab
Oil and Grease	XXX	XXX	XXX	15.0	XXX	30.0	1/quarter	Grab