

Application Type Renewal
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0058963
APS ID 1014870
Authorization ID 1311454

Applicant and Facility Information

Applicant Name	<u>Eureka Stone Quarry Inc. d/b/a JDM Materials</u>	Facility Name	<u>Telford Plant</u>
Applicant Address	<u>851 County Line Road Huntingdon Valley, PA 19006-1111</u>	Facility Address	<u>451 E Reliance Road Telford, PA 18969-1867</u>
Applicant Contact	<u>James Furey</u>	Facility Contact	<u>Craig Herrmann</u>
Applicant Phone	<u>(215) 333-8000</u>	Facility Phone	<u>(215) 357-5505</u>
Client ID	<u>8359</u>	Site ID	<u>566568</u>
SIC Code	<u>3273</u>	Municipality	<u>Telford Borough</u>
SIC Description	<u>Manufacturing - Ready-Mixed Concrete</u>	County	<u>Bucks</u>
Date Application Received	<u>April 1, 2020</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>N/A</u>	If No, Reason	<u></u>
Purpose of Application	<u>Permit Renewal.</u>		

Summary of Review

This application is to renew a NPDES stormwater permit. A review of recent DMRs shows compliance with current limits. The limits from the current permit were retained in this renewal as were the monitoring frequency and type. The facility is for ready-mix concrete manufacturing.

The permit renewal application was received April 1, 2020; this was after the due date for the renewal application. The application notes that there is a non-compliance due to the late submittal of the NPDES renewal application; the steps taken to achieve compliance was to submit the renewal application.

A DEP Open Violations by Client search found there are two (2) air quality violations at Eureka Stone Quarry – Chalfont dated 4/8/2020 (SERO) and one violation at the Sterling Quarry dated 2/5/2020 (DMO-Pottsville).

An inspection was conducted on December 11, 2018 by Water Quality Specialist Paul Jardel. As described on the following page.

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		Harmonie Hawley, PhD, PE / Environmental Engineering Specialist /s/	April 30, 2020
X		Pravin C. Patel, P.E. / Environmental Engineer Manager /s/	5/1/2020

Summary of Review

Mr. Jardel noted that the site stormwater generally flows from south to north. “The majority of the roadside field drains to either side of the property and bypasses the operational area. Flow from the west side of the batch plant is channeled south of the vehicle wash basin and exits the padded surface. It merges with storm flow from the east side of the batch plant and discharges to the receiving tributary”.

There was also an inspection conducted by Mr. Jardel on May 9, 2018 in which he notes “Stormwater runoff from the waste concrete area enters an intercept trench (Telford sewer right of way) that prevents stormwater from entering the waterway. At the end of the day delivery vehicles are washed out at the 4-section settling basin. The basin is segregated from site stormwater, which is diverted around the basin. The basin is used to collect contaminated wash water”. The collected wash water does not appear to be reused at this time.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>40° 19' 52.14"</u>	Longitude	<u>-75° 19' 113.83"</u>
Quad Name	<u>Telford</u>	Quad Code	<u>07222</u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>Unnamed Tributary to Mill Creek (TSF, MF)</u>	Stream Code	<u>01237</u>
NHD Com ID	<u>25999498</u>	RMI	<u>0.74</u>
Drainage Area	<u>2.7 acres</u>	Yield (cfs/mi ²)	<u>0.28</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.00119</u>	Q ₇₋₁₀ Basis	<u>Stream Stats</u>
Elevation (ft)	<u>N/A</u>	Slope (ft/ft)	<u>N/A</u>
Watershed No.	<u>3-E</u>	Chapter 93 Class.	<u>TSF, MF</u>
Existing Use	<u>TSF</u>	Existing Use Qualifier	<u>TSF</u>
Exceptions to Use	<u>Non</u>	Exceptions to Criteria	<u>None</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>Flow Regime Modification, Siltation</u>		
Source(s) of Impairment	<u>Site Clearance (Land Development Or Redevelopment), Urban Runoff/Storm Sewers,</u>		
TMDL Status	<u>None</u>	Name	<u>Not Applicable</u>
Nearest Downstream Public Water Supply Intake	<u>Not Applicable – none on tributary</u>		
PWS Waters	<u>N/A</u>	Flow at Intake (cfs)	<u>N/A</u>
PWS RMI	<u>N/A</u>	Distance from Outfall (mi)	<u>N/A</u>

Changes Since Last Permit Issuance: None

Other Comments: Nearest downstream public water supply intake is on the Perkiomen Creek.

Compliance History

DMR Data for Outfall 001 (from March 1, 2019 to February 29, 2020)

Parameter	FEB-20	JAN-20	DEC-19	NOV-19	OCT-19	SEP-19	AUG-19	JUL-19	JUN-19	MAY-19	APR-19	MAR-19
pH (S.U.) Instantaneous Minimum			7.67						8.30			
pH (S.U.) Instantaneous Maximum			8.74						8.30			
TSS (mg/L) Annual Average			4.0						< 4.0			
TSS (mg/L) Daily Maximum			18.3						< 4.0			
Oil and Grease (mg/L) Annual Average			< 5.0						< 5.0			

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	Annual Average	Daily 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	100.0	100	1/quarter	Grab
Oil and Grease	XXX	XXX	XXX	Report	XXX	Report	1/quarter	Grab

Compliance Sampling Location: Outfall 001

Other Comments: No changes since last permit

Technology Based Limits:

The effluent limits in the current permit were unchanged in this renewal, nor were the monitoring requirements.

Total Suspended Solids are in accordance with 40 CFR part 411 Cement Manufacturing, in particular Subpart C – Materials Storage Pile Runoff which are “applicable to discharges resulting from the runoff of rainfall which derives from the storage of materials including raw materials, intermediate products, finished products and waste materials which are used in or derived from the manufacture of cement”.

pH limits are in accordance with 40 CFR Part 411 Subpart C, 25 Pa. Code 95.2 and 25 Pa. Code 92a.48 which are pH values shall be between 6 and 9 SU.

Oil and Grease falls under 25 Pa. Code 95.2 as well as standard practice to monitor oil and grease if concentrations are greater than 4 mg/l (the detection limit in the provided analyses is 5 mg/l which is above the monitoring limit).

References:

40 CFR Part 411

25 Pa. Code Chapters 95 and 92

Standard Operating Procedure BPNPSM-PMT-001 Final November 9, 2012, Revised October 11, 2013, Version 1.5

Standard Operating Procedure BCW-PMT-032 Final November 9, 2012, Revised January 10, 2019, Version 1.5