pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southeast Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0058670**
Facility Type	**Storm Water**	APS ID	**1082191**
Major / Minor	**Minor**	Authorization ID	**1428990**

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

Applicant and Facility Information

Applicant Name	**Eureka Stone Quarry Inc. Dba JDM Materials Co.**	Facility Name	**JDM Norristown Batch Plant**
Applicant Address	851 County Line Road Huntingdon Valley, PA 19006-1111	Facility Address	Ridge And Carland Roads Norristown, PA 19401
Applicant Contact	James Furey	Facility Contact	Matt Mazza
Applicant Phone	(215) 333-8000	Facility Phone	(257) 754-8614
Client ID	26788	Site ID	552613
SIC Code	3273	Municipality	Plymouth Township
SIC Description	Manufacturing - Ready-Mixed Concrete	County	Montgomery
Date Application Received	March 3, 2023	EPA Waived?	Yes
Date Application Accepted		If No, Reason	

Purpose of Application: Renewal application.

Summary of Review

The applicant has submitted a renewal application to discharge a stormwater associated with industrial activities into Schuylkill River through existing Outfall 002.

The facility is involved in ready-mix concrete manufacturing.

Outfall 002 receives runoff from truck traffic and product storage area

DEP has conducted a site visit on 7/14/2021. Mr. Fury -Environmental Safety Director with JDM Materials has been at the facility.
There is a typo with the Outfall 002 identification on the inspection report. It has been listed as Outfall 001 as active discharging outfall. However, based on the previous permit renewal (dated 2018), Outfall 001 has been determined to be "inactive" since the stormwater runoff from the that drainage area has been collected and reused for the industrial activities at the site as seen below:
Outfall 001, which received runoff from the batch plant, was deleted from a previous permit. The stormwater from this area is now diverted into a settling pit and pumped back into the plant and reused. A concrete reclaimer was installed at the site approximately 8-9 years ago. All stormwater and concrete material that accumulates in the pit is pumped to the reclaimer, which removes solids from the water. The separated water is sent back to the plant and reused in making concrete. When all storage tanks are filled, excess water is hauled away by tanker trucks to the Glasgow Quarry. Some of the water is used to wash down concrete dust on the roads. Washout water from truck barrel cleaning is sent to the reclaimer

The active outfall 002 has not been actively discharging at the time of the site visit. However, following was noted:

Mr. Fury indicated that he collects grab samples from the stormwater corrugated pipe discharge. There were some concrete fines around the stormwater inlet located adjacent to outfall 001. I recommended JDM sweep the Storage/Stock Pile Area

Approve	Deny	Signatures	Date
X		Begay Omuralieva Begay Omuralieva / Environmental Engineering Specialist	March 8, 2024
X		Pravin Patel Pravin C. Patel, P.E. / Environmental Engineer Manager	03/10/2024

Summary of Review

more often to prevent concrete fines from being discharged to stormwater outfall 001. There was some grey material at the discharge from stormwater outfall 001 mixed with mud. This grey material should be removed, and the PA DEP should be provided with a series of before and after photographs. Downstream of the discharge the dry swale, stormwater outfall 001 flows into, was dry and did not have any grey material in it.

On March 7, 2024 a request email was sent to clarify the Outfall 002/001 and TSS sample exceedance (see p. 4 of this factsheet). On March 8, Mr. Fury has sent a confirmation email in regards to both abovementioned issues.

Effluent limits for Outfall 002, which receives runoff from truck traffic and product storage area, remain unchanged (They include: pH (6.0 – 9.0 std. units), Total Suspended Solids (50 mg/l as an average annual and 100 mg/l as a daily maximum), and Oil and Grease (monitor only)).except for additional parameters of concern as per their SIC 3273 Ready-mix concrete manufacturing based on the statewide NPDES PAG 03 permit for stormwater discharges associated with industrial activities (Total Nitrogen, Total Phosphorus, Total Aluminum, and Total Iron (monitor only)). The monitoring frequency for all parameters is 1/6 months.

Based on the above mentioned statewide permit all Best Management Practices (BMPs), specified in Part C, reflect the use of the concrete reclaimer and list BMPs consistent with other cement batch plants. A Part C condition still requires upgrades to existing BMPs if DMRs indicate two consecutive violations of the effluent limits. Additional stormwater language is added for events of benchmarks exceedances in Part C of the permit: G. Corrective Action Plan.

Act 14 Notification:
Plymouth TWP was notified on January 27, 2023
Montgomery County Commissioners were notified on January 28, 2023.

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.	002		
Latitude	40Âº 5' 58.77"	Longitude	-75Âº 19' 18.12"
Wastewater Description:	Stormwater		
Receiving Waters	Schuylkill River (WWF, MF)	Stream Code	00833
NHD Com ID	133228921	RMI	0.5600
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	3-F	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	POLYCHLORINATED BIPHENYLS (PCBS)		
Source(s) of Impairment	SOURCE UNKNOWN		
TMDL Status	Final	Name	Schuylkill River PCB TMDL

Changes Since Last Permit Issuance: none

Compliance History

DMR Data for Outfall 002 (from February 1, 2023 to January 31, 2024)

Parameter	JAN-24	DEC-23	NOV-23	OCT-23	SEP-23	AUG-23	JUL-23	JUN-23	MAY-23	APR-23	MAR-23	FEB-23
pH (S.U.) Instantaneous Minimum		7.43						8.85				
pH (S.U.) Instantaneous Maximum		7.77						8.85				
TSS (mg/L) Semi-Annual Average		< 4.00						345.00				
TSS (mg/L) Daily Maximum		< 4.00						0.01				
Oil and Grease (mg/L) Semi-Annual Average		< 4.90						< 4.90				
Oil and Grease (mg/L) Daily Maximum		< 4.80						0.01				

Compliance History

Effluent Violations for Outfall 002, from: March 1, 2023 To: January 31, 2024

Parameter	Date	SBC	DMR Value	Units	Limit Value	Units
TSS	06/30/23	SEMI AVG	345.00	mg/L	50.0	mg/L

Summary of Inspections: Corrective actions

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) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Semi-Annual Average	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/6 months	Grab
TSS	XXX	XXX	XXX	50.0	100.0	100	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	Report	Report	XXX	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Calculation
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Total Aluminum	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	Report	XXX	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 002