

Application Type Renewal
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0058882
APS ID 1016329
Authorization ID 1314289

Applicant and Facility Information

Applicant Name	<u>Trans Fleet Concrete Inc.</u>	Facility Name	<u>Trans Fleet Concrete – Exton Batch Plant</u>
Applicant Address	<u>PO Box 26483 101 1st Avenue Collegeville, PA 19426-0483</u>	Facility Address	<u>606 Jeffers Circle Exton, PA 19341</u>
Applicant Contact	<u>Danielle Kellon</u>	Facility Contact	<u>Marc Longacre</u>
Applicant Phone	<u>(610) 489-8884</u>	Facility Phone	<u>(610) 489-8884</u>
Client ID	<u>212368</u>	Site ID	<u>635095</u>
SIC Code	<u>3272</u>	Municipality	<u>West Whiteland Township</u>
SIC Description	<u>Manufacturing - Concrete Products, Nec</u>	County	<u>Chester</u>
Date Application Received	<u>April 22, 2020</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 Permittee requests approval for renewal of a NPDES permit to discharge stormwater runoff from the site of a ready-mix concrete batch plant located at 606 Jeffers Circle, Exton, PA, to an unnamed tributary to Valley Creek in the Brandywine Creek watershed.

The effluent limits for TSS and pH are continued from the existing permit. Monitoring requirements for Oil and Grease will also continue in the permit renewal. On page 20 of the NPDES permit there is a Part C condition on no. VII regarding "Requirements applicable to instream monitoring for pH." This requirement is for gathering pH data 50 feet upstream and downstream from the point where stormwater discharge enters the unnamed tributary. We have added sector-specific stormwater monitoring and BMPs requirements based on Appendix N (Glass, Clay, Cement, Concrete and Gypsum Products) of General Permit PAG-03 for discharge of stormwater associated with industrial activities. We have revised sampling frequency to quarterly from semi-annual for all the parameters in this renewal which is consistent with similar concrete facilities. The facility is generally in compliance with effluent limits of NPDES permit.

The Trans Fleet Concrete – Exton Batch Plant is a Ready-mix concrete plant. Aggregate materials are stored in bins on southwest side of facility. Trucks are parked along eastern side of the facility. There are two concrete berms located at each entrance drive to divert stormwater to stormwater basin located in front of the facility which captures majority of stormwater from the facility. Trucks are loaded with concrete inside the building. A trench drain located outside of the loading area captures stormwater in this area. The water is pumped to process water tank. The truck wash-out pit is located next to the aggregate piles. The water is diverted to the process water tank. Mr. William Collins of Operations Section conducted site inspection on August 6, 2020 and had no concerns with the facility. The facility had made changes that were needed during previous inspection.

EPA issued the TMDL for nutrients and dissolved oxygen under low-flow conditions in the Christina River Basin for point sources, but stormwater runoff discharges were not included under low-flow conditions.

Approve	Deny	Signatures	Date
X		Ketan Thaker / Project Manager <i>Ketan Thaker</i>	8/11/2020
X		Pravin Patel Pravin C. Patel, P.E. / Environmental Engineer Manager	08/11/2020

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. 001 Design Flow (MGD) 0
 Latitude 40° 0' 41.40" Longitude -75° 39' 14.59"
 Quad Name _____ Quad Code _____
 Wastewater Description: Stormwater

Receiving Waters Unnamed Tributary to Valley Creek (CWF, MF) Stream Code 00270
 NHD Com ID 26089460 RMI 0.11
 Drainage Area _____ Yield (cfs/mi²) _____
 Q₇₋₁₀ Flow (cfs) _____ Q₇₋₁₀ Basis _____
 Elevation (ft) _____ Slope (ft/ft) _____
 Watershed No. 3-H Chapter 93 Class. CWF, MF
 Existing Use _____ Existing Use Qualifier _____
 Exceptions to Use _____ Exceptions to Criteria _____
 Assessment Status Impaired
 Cause(s) of Impairment FLOW REGIME MODIFICATION, SILTATION
 Source(s) of Impairment URBAN RUNOFF/STORM SEWERS, URBAN RUNOFF/STORM SEWERS
 TMDL Status Final Name Christina River Basin

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 July 1, 2019 to June 30, 2020)

Parameter	JUN-20	MAY-20	APR-20	MAR-20	FEB-20	JAN-20	DEC-19	NOV-19	OCT-19	SEP-19	AUG-19	JUL-19
pH (S.U.) Downstream Monitoring Minimum	7.5						7.63					
pH (S.U.) Instream Monitoring Minimum	7.4						7.58					
pH (S.U.) Minimum	7.4						7.65					
pH (S.U.) Downstream Monitoring Average Monthly	7.5						7.65					
pH (S.U.) Instream Monitoring Average Monthly	7.4						7.61					
pH (S.U.) Downstream Monitoring Maximum	7.5						7.68					
pH (S.U.) Instream Monitoring Maximum	7.4						7.65					
pH (S.U.) Maximum	7.4						7.66					
TSS (mg/L) Annual Average	< 4						31.5					
TSS (mg/L) Daily Maximum	< 4						47					
Oil and Grease (mg/L) Annual Average	< 4.8						< 3.9					
Oil and Grease (mg/L) Daily Maximum	< 48						< 3.9					

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	Semi-Annual Average	Daily Maximum	Instant. Maximum		
pH (S.U.) Instream Monitoring	XXX	XXX	Report Inst Min	Report	XXX	Report	Quarterly	Grab
pH (S.U.) Downstream Monitoring	XXX	XXX	Report Inst Min	Report	XXX	Report	Quarterly	Grab
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Quarterly	Grab
TSS	XXX	XXX	XXX	50.0	100.0	XXX	Quarterly	Grab
Oil and Grease	XXX	XXX	XXX	Report	Report	XXX	Quarterly	Grab