

Application Type Renewal  
Facility Type Storm Water  
Major / Minor Minor

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

Application No. PA0243906  
APS ID 1042487  
Authorization ID 1360369

**Applicant and Facility Information**

Applicant Name	<u>Delaware Valley Concrete Co. Inc.</u>	Facility Name	<u>Delaware Valley Concrete New Britain Batch Plant</u>
Applicant Address	<u>248 East County Line Road Hatboro, PA 19040-2116</u>	Facility Address	<u>20 South Shady Retreat Road New Britain, PA 18901-5223</u>
Applicant Contact	<u>Greg Saeger</u>	Facility Contact	<u>Greg Saeger</u>
Applicant Phone	<u>(215) 675-8900</u>	Facility Phone	<u>(215) 675-8900</u>
Client ID	<u>62589</u>	Site ID	<u>566918</u>
SIC Code	<u>3273</u>	Municipality	<u>New Britain Borough</u>
SIC Description	<u>Manufacturing - Ready-Mixed Concrete</u>	County	<u>Bucks</u>
Date Application Received	<u>July 1, 2021</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**

Applicant requests renewal of an NPDES permit to discharge industrial stormwater from their site. The facility manufactures ready mixed concrete and is classified under SIC Code 3273 (NAICS Code 327320).

Concrete is produced by mixing dry aggregate with Portland cement, chemical admixtures and water. Raw aggregate is stockpiled in the vicinity of the plant. The aggregate is subsequently conveyed and loaded into mixer trucks along with Portland cement, chemical admixtures and water. The new Britain Facility operates five to six days a week, working day and / or night shifts as required by specific jobs.

As part of their operations, the facility stores and handles petroleum products and other liquids at the site.

The industry is regulated under 40C.F.R. 411, Cement Manufacturing Point Source Category, Subpart C, Materials Storage Piles Runoff Subcategory. 40 C.F.R. 411.32 defines ELGs representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT). These include TSS = 50 mg/l, and pH = 6.0 – 9.0. A TSS daily maximum of 100 mg/l is also included. Untreated overflow from facilities designed, constructed, and operated to treat the volume of runoff from materials storage piles which is associated with a 10-year, 24-hour rainfall event are not subject to the TSS and pH limits. Monitoring for oil and grease is also required similar to the existing permit requirement.

There are two outfalls 001 and 002 at the site. Outfall 001 receives stormwater from northern and eastern portions of the site. Outfall 002 historically received stormwater from central, southern, and western portions of the site. There is a retaining wall and the area is now covered and seeded. There has been no discharge to this point after installation of the retaining wall. Application also indicated that the stormwater is captured and used in the concrete manufacturing process.

Approve	Deny	Signatures	Date
X		<i>Sara Abraham</i> Sara Reji Abraham, E.I.T. / Project Manager	July 21, 2021
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	07/21/2021

**Summary of Review**

The production area is sloped to a contained pond with water recycled back to be used as process water before the pond fills completely. Truck washing is located near the entrance of the facility and the wash water is contained in a washing pit and recycled.

DMR review shows the discharge is in compliance with the effluent limitations in the permit. According to the Operations Section, the facility appeared to be following most of the BMPs and is well maintained.

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:

New Britain Borough	-	June 14, 2021
Bucks County	-	June 18, 2021

Permit Conditions:

- A. Stormwater Outfalls
- B. BMPs
- C. Additional Requirements for Concrete Batch Plants
- D. Routine Inspections
- E. PPC Plan
- F. Stormwater Monitoring
- G. Other Requirements
  - (i) Acquire Necessary Property Rights
  - (ii) Proper Sludge Disposal

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>40° 18' 5.60"</u>	Longitude	<u>-75° 10' 0.61"</u>
Quad Name	<u>Doylestown</u>	Quad Code	<u>1644</u>
Wastewater Description: <u>Stormwater from northern and eastern portions of site</u>			
Receiving Waters	<u>Unnamed tributary to Neshaminy Creek (TSF, MF)</u>	Stream Code	<u>02775</u>
NHD Com ID	<u>25478904</u>	RMI	<u>0.95</u>
Drainage Area	<u>~0</u>		
Q7-10 Flow (cfs)	<u>0 in UNT</u>	Q7-10 Basis	<u>Previous fact sheet</u>
Watershed No.	<u>2-F</u>	Chapter 93 Class.	<u>WWF, MF</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>nutrients, pathogens, siltation</u>		
Source(s) of Impairment	<u>municipal point source discharges, source unknown, urban runoff/storm sewers</u>		
TMDL Status	<u>Final TMDL for sediment</u>	Name	<u>Neshaminy Creek</u>
	<u>No WLA for DVC discharge</u>		

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>002</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>40° 18' 0.00"</u>	Longitude	<u>-75° 10' 12.89"</u>
Quad Name	<u>Doylestown</u>	Quad Code	<u>1644</u>
Wastewater Description: <u>Stormwater from western, central and southern portions of site</u>			
Receiving Waters	<u>Cooks Run via swale (WWF, MF)</u>	Stream Code	<u>02776</u>
NHD Com ID	<u>25478904</u>	RMI	<u>0.85</u>
Q7-10 Flow (cfs)	<u>~0 in drainage swale</u>	Q7-10 Basis	
Watershed No.	<u>2-F</u>	Chapter 93 Class.	<u>WWF, MF</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>nutrients, pathogens, siltation</u>		
Source(s) of Impairment	<u>municipal point source discharges, source unknown, urban runoff/storm sewers</u>		
TMDL Status	<u>Final TMDL for sediment</u>	Name	<u>Neshaminy Creek</u>
	<u>No WLA for DVC discharge</u>		

Compliance History

DMR Data for Outfall 001 (from June 1, 2020 to May 31, 2021)

Parameter	MAY-21	APR-21	MAR-21	FEB-21	JAN-21	DEC-20	NOV-20	OCT-20	SEP-20	AUG-20	JUL-20	JUN-20
pH (S.U.) Instantaneous Minimum			7.10			6.54			7.92			6.49
pH (S.U.) Instantaneous Maximum			7.10			6.54			7.92			6.49
TSS (mg/L) Annual Average			0.01			4.0			0.01			0.01
TSS (mg/L) Daily Maximum			0.01			4.0			0.01			0.01
Oil and Grease (mg/L) Annual Average			0.01			0.01			0.01			0.01
Oil and Grease (mg/L) Daily Maximum			0.01			0.01			0.01			0.01

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Quarterly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
Total Suspended Solids	XXX	XXX	XXX	50.0	100.0	XXX	1/quarter	Grab
Oil and Grease	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab

**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 002, Effective Period: Permit Effective Date through Permit Expiration Date.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Quarterly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
Total Suspended Solids	XXX	XXX	XXX	50.0	100.0	XXX	1/quarter	Grab
Oil and Grease	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab