pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southeast Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0244406**
Facility Type	**Storm Water**	APS ID	**1107253**
Major / Minor	**Minor**	Authorization ID	**1472803**

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

Applicant and Facility Information

Applicant Name	**Nyce Crete Co. Inc.**	Facility Name	**Nyce Crete Co. Inc.**
Applicant Address	711 North County Line Road PO Box 64418 Souderton, PA 18964	Facility Address	901 West Sixth Street Lansdale, PA 19446
Applicant Contact	Jamie Nyce	Facility Contact	Jamie Nyce
Applicant Phone	(215) 855-4628	Facility Phone	(215) 855-4628
Client ID	261073	Site ID	583778
SIC Code	3273	Municipality	Lansdale Borough
SIC Description	Manufacturing - Ready-Mixed Concrete	County	Montgomery
Date Application Received	January 24, 2024	EPA Waived?	Yes
Date Application Accepted		If No, Reason	

Purpose of Application: Permit renewal for IW Stormwater discharge.

Summary of Review

The permittee request approval for the renewal of a National Pollutant Discharge Elimination System (NPDES) Individual Permit to discharge stormwater from Nyce Crete Company, Inc. This facility is located 901 W Sixth Street, Lansdale, PA 19446 and discharge stormwater to Unnamed Tributary to West Branch Neshaminy Creek a designated Warm Water Fishes (WWF) under Chapter 93.

This facility manufactures of ready-mix concrete and concrete block. Concrete manufacturing occurs in buildings with secondary containment. Once the manufacturing of concrete is complete, the material is distributed to truck for delivery to construction sites. It is this transfer of concrete that has potential for exposure of concrete to the environment. Also, following delivery of concrete to construction sites, concrete delivery trucks are washed. The water from wash operations is stored within a plug flow clarifier. Excess concrete from operations has been to form concrete block. Finally, storage of raw materials used in the concrete, sand and stone, is to the rear of the property.

Stormwater outfalls inspections are monthly or after rain events. Maintenance includes use of a street sweeper to collect dust, debris, and other particulate matter from paved and impervious surfaces. Additional ¾" stone is added to non-impervious surfaces to minimize entrainment of the underlying soils. At discharge point 003, 4-inch stone is used in the vicinity subsurface stone basin. Other measures include general housekeeping.

The facility contains three outfalls (001, 002, & 003) that discharge stormwater to Unnamed Tributary to West Branch of the Neshaminy Creek. Outfall 001 drainage area (94,970 ft^2 of 87% Impervious) of buildings, truck/employee parking, ancillary uses include forming of concrete block, truck washing with a clarifier/storage facility, a retention basin for stormwater and storage of materials from clarifier. The drainage area contains a clarifier for sedimentation and water reuse, a retention basin and mechanical sweeping of impervious surfaces. Outfall 002 drainage area (9,500 ft^2 of 87% Impervious) of buildings, parking, and a stone driveway. The drainage area contains a wet pond for storage and treatment of stormwater. Outfall 003

Approve	Deny	Signatures	Date
X		Christian French Christian French / Environmental Engineering Specialist	June 26, 2024
X		Pravin Patel Pravin C. Patel / Environmental Engineer Manager	June 26, 2024

Summary of Review

drainage area (72,316 ft^2 of 93% Impervious) of sand and gravel storage areas, buildings, fuel islands, and concrete loading area, access drives. The drainage area contains infiltration bed, stone entrance, and mechanical sweeping of impervious surfaces.

The facility was last inspected on January 11, 2024. Previous inspection violations were corrected. Effluent violations may still occur; facility is reviewing corrective actions to be taken.

The reporting requirements of once per quarter are carried over from previous permit in this permit renewal to continue to be consistent with reporting requirements of similar stormwater individual permits in the southeast region for parameters: Total Suspended Solids (50 mg/l average quarterly and 100 mg/l daily maximum), Oil and Grease (Report mg/l daily maximum), and pH (S.U.) (no less than 6 and no greater than 9). Total Aluminum and Total Iron reporting requirements were added in this permit renewal. The proposed effluent limits and monitoring requirements are listed in the table on p. 8 of this fact sheet.

Act 14 Notifications:

Lansdale Borough - January 22, 2024
Montgomery County Planning Commission - January 22, 2024

Draft permit will be sent to permittee, consultant, and operations section.

Recommended Part C Conditions:

I. Stormwater Outfalls and Authorized Non-Stormwater Discharges
II. Best Management Practices (BMPs)
III. Routine Inspections
IV. Preparedness, Prevention and Contingency (PPC) Plan
V. Stormwater Monitoring Requirements
    A. Acquire Necessary Property Rights
    B. Sludge Disposal Requirement
    C. BMPs to Control TSS and pH
    D. Remedial Measures if Public Nuisance
    E. 10-year, 24-Hour Rainfall Event Definition

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)	Stormwater
Latitude	40º 15' 15.10"	Longitude	-75º 17' 27.99"
Quad Name	Telford	Quad Code	1643
Wastewater Description:	Stormwater		
Receiving Waters	Unnamed Tributary to West Branch Neshaminy Creek (WWF, MF)	Stream Code	02889
NHD Com ID	25484806	RMI	1.4300
Drainage Area	0.98	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	0.00967	Q_{7-10} Basis	Pennsylvania StreamStats
Elevation (ft)	349.1	Slope (ft/ft)	
Watershed No.	2-F	Chapter 93 Class.	WWF, MF
Existing Use	**None**	Existing Use Qualifier	N/A
Exceptions to Use	None	Exceptions to Criteria	N/A
Assessment Status	Impaired		
Cause(s) of Impairment	NUTRIENTS		
Source(s) of Impairment	MUNICIPAL POINT SOURCE DISCHARGES		
TMDL Status	Final	Name	Neshaminy Creek

Changes Since Last Permit Issuance: No Changes.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	002	Design Flow (MGD)	Stormwater
Latitude	40º 15' 12.15"	Longitude	-75º 17' 30.19"
Quad Name	Telford	Quad Code	1643
Wastewater Description:	Stormwater		
Receiving Waters	Unnamed Tributary to West Branch Neshaminy Creek (WWF, MF)	Stream Code	02889
NHD Com ID	25484806	RMI	1.4900
Drainage Area	0.89 mi^2	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	0.00874	Q_{7-10} Basis	Pennsylvania StreamStats
Elevation (ft)	350.5	Slope (ft/ft)	
Watershed No.	2-F	Chapter 93 Class.	WWF, MF
Existing Use	**None**	Existing Use Qualifier	N/A
Exceptions to Use	None	Exceptions to Criteria	N/A
Assessment Status	Impaired		
Cause(s) of Impairment	NUTRIENTS		
Source(s) of Impairment	MUNICIPAL POINT SOURCE DISCHARGES		
TMDL Status	Final	Name	Neshaminy Creek

Changes Since Last Permit Issuance: No Changes.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	003	Design Flow (MGD)	Stormwater
Latitude	40º 15' 11.94"	Longitude	-75º 17' 30.35"
Quad Name	Telford	Quad Code	1643
Wastewater Description:	Stormwater		
Receiving Waters	Unnamed Tributary to West Branch Neshaminy Creek (WWF, MF)	Stream Code	02889
NHD Com ID	25484806	RMI	1.5000
Drainage Area	0.89 mi^2	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	0.00874	Q_{7-10} Basis	Pennsylvania StreamStats
Elevation (ft)	350.5	Slope (ft/ft)	
Watershed No.	2-F	Chapter 93 Class.	WWF, MF
Existing Use	**None**	Existing Use Qualifier	N/A
Exceptions to Use	None	Exceptions to Criteria	N/A
Assessment Status	Impaired		
Cause(s) of Impairment	NUTRIENTS		
Source(s) of Impairment	MUNICIPAL POINT SOURCE DISCHARGES		
TMDL Status	Final	Name	Neshaminy Creek

Changes Since Last Permit Issuance: No changes.

Treatment Facility Summary				
Treatment Facility Name: Nyce Crete Co.				
WQM Permit No.	**Issuance Date**			
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**

Changes Since Last Permit Issuance: No Changes

Compliance History

DMR Data for Outfall 001 (from March 1, 2023 to February 29, 2024)

Parameter	FEB-24	JAN-24	DEC-23	NOV-23	OCT-23	SEP-23	AUG-23	JUL-23	JUN-23	MAY-23	APR-23	MAR-23
pH (S.U.) Instantaneous Minimum			9.8			8.41						
pH (S.U.) Instantaneous Maximum			9.8			8.41						
TSS (mg/L) Average Quarterly			24.7			8.5						
TSS (mg/L) Daily Maximum			24.7			8.5						
Oil and Grease (mg/L) Daily Maximum			< 5.0			< 4.9						
Total Aluminum (mg/L) Daily Maximum			1.45			0.521						
Total Iron (mg/L) Daily Maximum			< 0.676			0.273						

DMR Data for Outfall 003 (from March 1, 2023 to February 29, 2024)

Parameter	FEB-24	JAN-24	DEC-23	NOV-23	OCT-23	SEP-23	AUG-23	JUL-23	JUN-23	MAY-23	APR-23	MAR-23
pH (S.U.) Instantaneous Minimum			9.44									9.03
pH (S.U.) Instantaneous Maximum			9.44									9.03
TSS (mg/L) Average Quarterly			430.0									396.00
TSS (mg/L) Daily Maximum			430.0									396.00
Oil and Grease (mg/L) Daily Maximum			< 4.9									< 4.9
Total Aluminum (mg/L) Daily Maximum			8.61									23.3
Total Iron (mg/L) Daily Maximum			7.18									24.1

Compliance History

Effluent Violations for Outfall 001, from: April 1, 2023 To: February 29, 2024

Parameter	Date	SBC	DMR Value	Units	Limit Value	Units
pH	12/31/23	IMAX	9.8	S.U.	9.0	S.U.

Summary of Inspections: The facility was last inspected on January 11, 2024. Previous inspection violations were corrected. Effluent violations may still occur; facility is reviewing corrective actions to be taken.

Effluent Violations for Outfall 003, from: April 1, 2023 To: February 29, 2024

Parameter	Date	SBC	DMR Value	Units	Limit Value	Units
pH	12/31/23	IMAX	9.44	S.U.	9.0	S.U.
TSS	12/31/23	Avg Qrtly	430.0	mg/L	50.0	mg/L
TSS	12/31/23	Daily Max	430.0	mg/L	100.0	mg/L

Nyce_Crete_Co_Inc_
PA0244406_CEI_0111

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 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	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	XXX	Report	XXX	1/quarter	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab
Total Iron	XXX	XXX	XXX	XXX	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" (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	Average Quarterly	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	XXX	Report	XXX	1/quarter	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab
Total Iron	XXX	XXX	XXX	XXX	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" (386-0400-001), SOPs and/or BPJ.

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	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	XXX	Report	XXX	1/quarter	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab