

Application Type New
Facility Type Stormwater
Major / Minor Minor

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

Application No. PA0276715
APS ID 1087306
Authorization ID 1437392

Applicant and Facility Information

Applicant Name	<u>Crushcrete, Inc.</u>	Facility Name	<u>Crushcrete</u>
Applicant Address	<u>1965 Silvēx Road</u> <u>Bethlehem, PA 18015</u>	Facility Address	<u>1965 Silvēx Road</u> <u>Bethlehem, PA 18015-9510</u>
Applicant Contact	<u>Tony Medei, General Manager</u>	Facility Contact	<u>Tony Medei, General Manager</u>
Applicant Phone	<u>(610) 849-2605</u>	Facility Phone	<u>(610) 849-2605</u>
Client ID	<u>242632</u>	Site ID	<u>533414</u>
SIC Code	<u>3295</u>	Municipality	<u>Bethlehem City</u>
SIC Description	<u>Manufacturing - Minerals, Ground Or Treated</u>	County	<u>Northampton</u>
Date Application Received	<u>March 22, 2023</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>May 3, 2023</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>Application for new NPDES permit for discharge of stormwater associated with industrial activity.</u>		

Summary of Review

The applicant is requesting a new individual NPDES permit to discharge stormwater associated with industrial activity to Saucon Creek, a HQ-CWF, MF (High Quality - Cold Water Fishes, Migratory Fishes) designated receiving stream in state water plan basin 2-C (Lower Lehigh River). As per the Department's current existing use list, the receiving stream segment does not have an existing use classification that is more protective than its designated use.

This industrial facility produces recycled aggregate from waste concrete materials. Waste concrete is accepted into the facility, unloaded from trucks, loaded into a portable electric crushing plant, crushed into 1-inch and 4-inch aggregate, screened, then distributed by conveyors to storage piles prior to shipment offsite. The site also processes pre/post-consumer asphalt shingles. Asphalt shingles are stockpiled onsite prior to loading and transporting offsite.

Stormwater from the facility drains to two drainage areas. Drainage Area 1 consists of runoff from the plant yard, aggregate stockpiles, material handling areas, the powerhouse building, and the crushing building. Stormwater is directed to a vegetated filter strip, then seeps into the ground through the railroad embankment and discharges at the base of the slope, before discharging to Saucon Creek. This discharge is Outfall 001.

Drainage Area 2 only collects stormwater from a small wooded area that is not impacted by Crushcrete operations. Therefore, Drainage Area 2 and its associated outfall is not included in this permit.

This facility is categorized by SIC code 3295 (Manufacturing - Minerals, Ground or Treated) and falls under Appendix N monitoring requirements of the PAG-03 General Permit. Semi-annual monitoring and reporting for pH, Total Suspended Solids (TSS), Total Nitrogen, Total Phosphorous, Total Aluminum, and Total Iron are required under the PAG-03. Please note that Total Nitrogen is the sum of Total Kjeldahl-N (TKN) plus Nitrite-Nitrate as N (NO₂+NO₃-N), where TKN and NO₂+NO₃-N are measured in the same sample.

Approve	Deny	Signatures	Date
X		/s/ Allison S. Zukosky / Project Manager	June 26, 2024
X		/s/ Amy M. Bellanca, P.E. / Acting Engineer Manager	7-8-24

Summary of Review

Benchmark values exist for pH and TSS. A benchmark value is the concentration of a pollutant in stormwater discharges that serves as a threshold for the determination of whether existing site BMPs are effective in controlling stormwater pollution. The benchmark values can be found in Part C. III. F. of the permit.

A corrective action plan must be submitted to DEP if the discharge concentration for the parameters exceed the benchmark values for two or more consecutive monitoring periods.

PPC Plan implementation and completion of an annual inspection and compliance evaluation are required under the permit.

This facility currently discharges stormwater under an existing PAG-03 General Permit (PAR212222). No changes to the existing facility are proposed as part of this permit application. The PAG-03 permit will be marked as rescinded when the final version of this individual permit is issued.

A Water Management System Inspection query indicated that on November 22, 2022 a Routine/Partial inspection was performed.

There are currently no open violations for this client that warrant withholding issuance of this permit.

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.

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