

DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF ENERGY, MINERAL, AND LAND RESOURCES

FACT SHEET

GENERAL PERMIT NCG140000
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
PERMIT TO DISCHARGE STORMWATER

2022 – 2027 Permit Term

1. TYPES OF DISCHARGES COVERED

a. Industrial Activities Covered by this General Permit

This permit applies to all owners or operators, hereafter permittees, which are covered by this permit as evidenced by receipt of a Certificate of Coverage by the Environmental Management Commission to allow the discharge of stormwater and process wastewater to the surface waters of North Carolina or to a separate storm sewer system conveying discharges to surface waters, from ready-mix concrete facilities, in accordance with the terms and conditions set forth herein.

Coverage under this General Permit is applicable to:

- **Stormwater point source discharges** associated with ready-mixed concrete [Standard Industrial Classification Code (SIC) 3273] and like activities deemed by DEMLR to be similar in the process and/or the exposure of raw materials, products, by-products, or waste materials.
- **Stormwater and/or wastewater point source discharges** from like industrial activities deemed by the Division of Energy, Mineral, and Land Resources (the Division) to be similar to these operations in the process, or the discharges, or the exposure of raw materials, intermediate products, by-products, final products, or waste products.

Coverage under this General Permit is **not** applicable to:

- Disposal of wastewater not specifically designated in this permit.
- Disposal of any concrete directly into stormwater conveyances, storm sewer outfalls, wetlands, and/or into any waters of the state.
- Contaminated stormwater as defined in Part IV: Definitions of this permit.

b. Characteristics of Discharged Stormwater

The draft renewal permit requires baseline sampling of all stormwater discharge outfalls and/or authorized representative discharge outfalls in accordance with this part.

- (a) Grab samples shall be collected, analyzed and reported for three parameters; Total Suspended Solids (TSS), pH for all outfalls and Non-Polar Oil and Grease for drainage areas that use greater than 55 gallons/month of oil on average.

- (b) In addition to the grab samples, the average monthly usage of new motor and hydraulic oil for the facility shall be tracked and recorded.
- (c) The total rainfall amount for each sampling event shall be recorded in inches. Total rainfall shall be determined from an on-site rain gauge or a regional rain gauge located within one (1) mile of the facility.
- (d) Samples shall be collected from four separate monitoring periods per year unless the facility is in Tier Two or Tier Three status. A minimum of thirty (30) days must separate sampling events:
 - January 1 – March 31
 - April 1 – June 30
 - July 1 – September 30, and
 - October 1 – December 31.

c. Characteristics of Discharged Wastewater

Wastewater discharges that may be authorized under this general permit are limited to the following. Any of those wastewaters commingled with stormwater shall be considered wastewater:

- Process wastewater,
- Comingled stormwater and wastewater, and
- Discharges from recycle systems.

Process wastewater discharges generated by any other activity shall not be authorized under this permit, except allowable non-stormwater discharges permitted by 15A NCAC 2H .0106(f).

Type of Wastewater	Description
Process wastewater	all process wastewater from mining operations which includes, but may not be limited to, the water involved in: <ul style="list-style-type: none"> • Vehicle and equipment cleaning. • Wetting of raw material stockpiles. • Mixing drum cleanout.
Commingled Stormwater and Wastewater	Occurs if process wastewaters commingle with stormwater prior to discharge
Discharges from Recycle Systems	Authorized process wastewater discharges (overflows) from a recycle system

d. Geographic Area(s) Covered by this General Permit

Discharges covered by this general permit are located at any place within the political boundary of the State of North Carolina. Discharges located on the Cherokee Indian Tribal Reservation are subject to permitting by the U.S. Environmental Protection Agency and are not covered by this general permit.

e. Receiving Waters

Receiving waters include all surface waters of North Carolina or municipal separate storm sewer systems conveying stormwater to surface waters.

2. REPORTING REQUIREMENTS

a. Deadlines for Submittal of Discharge Monitoring Reports

Discharge Monitoring Reports (DMRs) shall be submitted in accordance with quarterly monitoring. For COCs issued between March 1-31, June 1-30, September 1-30 or Dec 1-31, sampling shall not commence until the next sampling period following initial issuance of the COC.

(a) Submittal Process before eDMR

Prior to eDMR, samples analyzed in accordance with the terms of this General Permit shall be reported as follows:

- i. Sample results shall be recorded on Discharge Monitoring Report (DMR) forms provided by the Director. DMR forms are available on the Division’s website <https://deq.nc.gov/about/divisions/energy-mineral-land-resources/npdes-industrial-stormwater>.)
- ii. DMRs shall be signed and certified by a person meeting the Signatory requirements in J-1.
- iii. Original, signed DMR forms shall be scanned and uploaded to the electronic DMR submittal form, which can be found by typing “deq.nc.gov/SW-Industrial” into a browser window and hitting “enter.”
- iv. Then, the original signed DMR Forms shall be mailed or otherwise delivered to the appropriate Regional Office, which is indicated at: <https://deq.nc.gov/contact/regional-offices/>.

(b) Submittal Process after eDMR

Unless otherwise informed by the Director, permittees shall register in eDMR prior to June 1, 2022 and shall begin reporting discharge monitoring data using eDMR prior to January 1, 2023. Information about eDMR can be found by typing “<https://deq.nc.gov/deq.nc.gov/sw-edmr>” into a browser window and hitting “enter.”

(c) Qualitative Monitoring Reports

The permittee shall record the required qualitative monitoring observations on the SDO Qualitative Monitoring Report form provided by the Division and shall retain the completed forms on site. Qualitative monitoring results shall not be submitted to the Division, except upon the Division's specific requirement to do so. Qualitative Monitoring Report forms are available the Division's website

(<https://deq.nc.gov/about/divisions/energy-mineral-land-resources/npdes-stormwater-gps>).

3. COMPLIANCE SCHEDULE

The compliance schedule in Part K, Section K-1 advises that the permittee comply with Limitations and Controls specified for stormwater discharges in accordance with the following schedule

- **Existing Facilities already operating but applying for permit coverage for the first time:** The Stormwater Pollution Prevention Plan shall be developed and implemented within 12 months of the effective date of the **Certificate of Coverage** and updated thereafter on an annual basis. Secondary containment, as specified in Part B, Section B-9 of this general permit, shall be accomplished within 12 months of the effective date of the issuance of the **Certificate of Coverage**.
- **New Facilities applying for coverage for the first time:** The Stormwater Pollution Prevention Plan shall be developed and implemented prior to the beginning of discharges from the operation of the industrial activity and be updated thereafter on an annual basis. Secondary containment, as specified in Part B, Section B-9 of this general permit, shall be accomplished prior to the beginning of discharges from the operation of the industrial activity.
- **Existing facilities previously permitted and applying for renewal under this General Permit:** All requirements, conditions, limitations, and controls contained in this permit (except new SWPPP elements in this permit renewal) shall become effective immediately upon issuance of the **Certificate of Coverage**. New elements of the Stormwater Pollution Prevention Plan for this permit renewal shall be developed and implemented within 6 months of the effective date of this general permit and updated thereafter on an annual basis. Secondary containment, as specified in Part B, Section B-9 of this general permit, shall be accomplished prior to the beginning of discharges from the operation of the industrial activity.

4. BASIS FOR CONTROLS AND LIMITATIONS

The conditions of this general permit have been designed using best professional judgment to achieve water quality protection through compliance with the technology-based standards of the Clean Water Act (Best Available Technology [BAT] and Best Conventional Pollutant Control Technology [BCT]). Where the Director determines that a water quality violation has occurred and water quality-based controls or effluent limitations are required to protect the receiving

waters, coverage under the general permit shall be terminated and an individual permit will be required. Based on a consideration of the appropriate factors for BAT and BCT requirements, and a consideration of the factors discussed below in this fact sheet for controlling pollutants in stormwater discharges associated with the activities as described in Item 1 (Types of Discharge Covered), this permit retains a set of requirements for developing and implementing stormwater pollution prevention plans, and specific requirements for monitoring and reporting on stormwater discharges.

The permit conditions reflect the Environmental Protection Agency's (EPA) and North Carolina's pollution prevention approach to stormwater permitting. The quality of the stormwater discharge associated with an industrial activity will depend on the availability of pollutant sources. This renewal permit still reflects the Division's position that implementation of Best Management Practices (BMPs) and traditional stormwater management practices which control the source of pollutants meets the definition of BAT and BCT. The permit conditions are not numeric effluent limitations, but rather are designed to be flexible requirements for developing and implementing site specific plans to minimize and control pollutants in the stormwater discharges associated with the industrial activity.

Title 40 Code of Federal Regulations (CFR) Part 122.44(k)(2) authorizes the use of BMPs in lieu of numeric effluent limitations in NPDES permits when the agency finds numeric effluent limitations to be infeasible. The agency may also impose BMP requirements which are "reasonably necessary" to carry out the purposes of the Act under the authority of 40 CFR 122.44(k)(3). The conditions of the renewal permit are retained under the authority of both of these regulatory provisions. The pollution prevention requirements (BMP requirements) in this permit operate as limitations on effluent discharges that reflect the application of BAT/BCT. The basis is that the BMPs identified require the use of source control technologies which, in the context of these general permits, are the best available of the technologies economically achievable (or the equivalent BCT finding).

All facilities covered by this general permit must prepare, retain, implement, and (at a minimum of annually) update a Stormwater Pollution Prevention Plan (SWPPP). The term "pollution prevention" distinguishes this source reduction approach from traditional pollution control measures that typically rely on end-of-pipe treatment to remove pollutants in the discharges. The plan requirements are based primarily on traditional stormwater management, pollution prevention and BMP concepts, providing a flexible basis for developing site-specific measures to minimize and control the amounts of pollutants that would otherwise contaminate the stormwater runoff.

The pollution prevention approach adopted in the SWPPP in this renewal permit still focuses on two major objectives: 1) to identify sources of pollution potentially affecting the quality of stormwater discharges associated with industrial activity from the facility; and 2) to describe and ensure that practices are implemented to minimize and control pollutants in stormwater discharges associated with industrial activity from the facility and to ensure compliance with the terms and conditions of the permit.

The Division believes that it is not appropriate at this time to require a single set of effluent limitations or a single design or operational standard for all facilities which discharge stormwater associated with industrial activity. This permit instead establishes a framework for

the development and implementation of a site-specific SWPPP. This framework provides the necessary flexibility to address the variable risk for pollutants in stormwater discharges associated with the industrial activities that are addressed by this permit, while ensuring procedures to prevent stormwater pollution at a given facility are appropriate given the processes employed, engineering aspects, functions, costs of controls, location, and age of facility (as discussed in 40 CFR 125.3). This approach allows flexibility to establish controls which can appropriately address different sources of pollutants at different facilities.

There has been no significant change to this rationale since the previous General Permit NCG140000.

5. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

There are no requested variances or alternatives to required standards. Facilities requesting variances to required standards will not be covered under this General Permit but will instead be required to seek coverage under an individual permit.

6. THE ADMINISTRATIVE RECORD

The administrative record, including application, draft permits, fact sheet, public notice, comments received, and additional information is available by writing to:

Stormwater Program
 Division of Energy, Mineral, and Land Resources (DEMLR)
 1612 Mail Service Center
 Raleigh, North Carolina 27699-1612

Due to the COVID-19 pandemic, visitors are not currently allowed at DEMLR offices. However, electronic copies of the documents listed above are available on our Laserfiche online repository, or by emailing brittany.carson@ncdenr.gov.

7. STATE CONTACT

Additional information about the renewal permit may be obtained between the hours of 8:00 AM and 5:00 PM Monday through Friday by contacting **Brittany Carson** at brittany.carson@ncdenr.gov.

8. SCHEDULE OF PERMIT ISSUANCE

Draft Permit Public Notice – Statewide Notice to publish: May 13, 2022
 Draft available on-line: May 13, 2022

Comment Period Ends: June 13, 2022

Permit Scheduled to Issue – No later than: July 1, 2022

Effective: July 1, 2022

10 PROCEDURE FOR THE FORMULATION OF FINAL DETERMINATIONS

a. Comment Period

The Division of Energy, Mineral, and Land Resources proposes to issue an NPDES General Permit for the above described stormwater discharges. These determinations are open to comment from the public.

Interested persons are invited to submit written comments on the renewal permit or on the Division of Energy, Mineral, and Land Resources’ proposed determinations to the following address:

Stormwater Program
 Division of Energy, Mineral, and Land Resources
 Attn: Brittany Carson
 1612 Mail Service Center
 Raleigh, North Carolina 27699-1612
OR: Brittany.carson@ncdenr.gov

All comments received within thirty (30) days following the date of public notice are considered in the formulation of final determinations.

b. Public Meeting

The Director of the Division of Energy, Mineral and Land Resources may hold a public meeting if there is a significant degree of public interest in a proposed permit or group of permits. Public notice of such a meeting will be circulated in newspapers in the geographical area of the discharge and to those on the Division of Energy, Mineral and Land Resources' mailing list at least thirty (30) days prior to the meeting.

c. Appeal Hearing

An applicant whose permit is denied, or is granted subject to conditions they deem unacceptable, shall have the right to a hearing before the Commission upon making written demand to the Office of Administrative Hearing (OAH) within 30 days following issuance or denial of the permit.

d. Issuance of a Permit When no Hearing is Held

If no public meeting or appeal hearing is held, after review of the comments received, and if the Division of Energy, Mineral and Land Resources' determinations are substantially unchanged, the permit will be issued and become effective on the first day of the month following the issuance date. This will be the final action of the Division of Energy, Mineral and Land Resources.

If a public meeting or appeal hearing is not held, but there have been substantial changes, public notice of the Division of Energy, Mineral and Land Resources' revised determinations will be made. Following a 30-day comment period, the permit will be issued and will become effective on the first day of the month following the issuance date. This will be the final action of the Division of Energy, Mineral and Land Resources unless a public meeting or appeal hearing is grant