STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF ENERGY, MINERAL, AND LAND RESOURCES
GENERAL PERMIT NO. NCG160000

TO DISCHARGE STORMWATER UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

for establishments primarily engaged in the following activities:

Asphalt Paving Mixtures and Blocks

In compliance with the provisions of North Carolina General Statute 143-215.1, other lawful standards and regulations promulgated and adopted by the North Carolina Environmental Management Commission and the Federal Water Pollution Control Act, as amended, this permit is hereby issued to all owners or operators, hereinafter 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 to the surface waters of North Carolina** or to a separate storm sewer system conveying discharges to surface waters in accordance with the terms and conditions set forth herein.

Coverage under this General Permit is applicable to:

- All owners or operators of stormwater point source discharges associated with establishments primarily engaged in the manufacture of **Asphalt Paving Mixtures and Blocks** [Standard Industrial Classification (SIC) 2951];
- Stormwater point source discharges from like industrial activities deemed by The Division of Energy, Mineral, and Land Resources (DEMLR) to be similar to these operations in the process, or the discharges, or the exposure of raw materials, intermediate products, by-products, products, or waste products.
- Discharges from asphalt emulsion facilities that are subject to effluent limitations as established in 40 CFR Part 443 Subpart A are **not covered** under this General Permit.

The General Permit shall become effective on **August 1, 2019**.

The General Permit shall expire at midnight on **May 31, 2024**.

Signed this 31st day of July 2019.

Original signed by S. Daniel Smith

S. Daniel Smith
Director, Division of Energy, Mineral, and Land Resources
By the Authority of the Environmental Management Commission

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PART I – INTRODUCTION

SECTION A: GENERAL PERMIT COVERAGE

All persons desiring to have facilities covered by this General Permit must register with the Division of Energy, Mineral, and Land Resources (DEMLR) by the filing of a Notice of Intent (NOI) and applicable fees. The NOI shall be submitted and a certificate of coverage issued prior to any point source discharge of stormwater associated with industrial activity to the surface waters of the state.

Any owner or operator not wishing to be covered or limited by this General Permit may make application for an individual NPDES permit in accordance with NPDES procedures in 15A NCAC 2H .0100, stating the reasons supporting the request. Any application for an individual permit should be made at least 180 days prior to commencement of discharge.

This General Permit shall not cover activities or discharges covered by an individual NPDES permit until the individual permit has expired or has been revoked. Any person conducting an activity that is currently covered by an individual permit but that could be covered by this General Permit may request that the individual permit be revoked and coverage under this General Permit be provided.

If industrial materials and activities are not exposed to precipitation or runoff as described in 40 CFR §122.26(g), the facility may qualify for a No Exposure Certification, excluding them from NPDES stormwater discharge permit requirements. Any owner or operator wishing to obtain a No Exposure Certification must: submit a No Exposure Certification NOI form to the Division; receive approval from the Division; maintain no exposure conditions unless authorized to discharge under a valid NPDES stormwater permit; and recertify the No Exposure Exclusion annually.

Any facility may apply for new or continued coverage under this permit until a Total Maximum Daily Load (TMDL) for pollutants for stormwater is established. A TMDL sets a pollutant-loading limit that affects a watershed, or portion of a watershed, draining to a specific impaired water. **For discharges to watersheds affected by a TMDL, coverage under this permit may depend on the facility demonstrating it does not have reasonable potential to violate applicable water quality standards for those pollutants as a result of discharges.** If the Department determines that discharges have reasonable potential to cause water quality standard violations, the facility shall apply for an individual permit 180 days prior to the expiration date of this General Permit. Once that individual permit is effective, the facility will no longer have coverage under this General Permit. Note that the permittee must identify impaired waters (scheduled for TMDL development) and waters already subject to a TMDL in the Site Plan, as outlined in the Stormwater Pollution Prevention Plan, Part II, Section A. A list of approved TMDLs for the state of North Carolina can be found at https://deq.nc.gov/about/divisions/water-resources/planning/modeling-assessment/tmdls/draft-and-approved-tmdls.
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SECTION B: PERMITTED ACTIVITIES

Until coverage under this permit expires or is modified or revoked, the permittee is authorized to discharge stormwater to the surface waters of North Carolina, or to a separate storm sewer system, which has been adequately treated and managed in accordance with the terms and conditions of this General Permit and the requirements of the permittee's Certificate of Coverage (COC). **The permittee's COC is hereby incorporated by reference into this General Permit. Any violation of the COC is a violation of this General Permit and subject to enforcement action as provided in the General Permit.**

Any other point source discharge to surface waters of the state is prohibited unless it is an allowable non-stormwater discharge or is covered by another permit, authorization, or approval. **The discharges allowed by this General Permit shall not cause or contribute to violations of Water Quality Standards.** Discharges allowed by this permit must meet applicable wetland standards as outlined in 15A NCAC 2B .0230 and .0231 and water quality certification requirements as outlined in 15A NCAC 2H .0500.

This permit does not relieve the permittee's responsibility for compliance with any other applicable federal, state, or local law, rule, standard, ordinance, order, or decree.

PART II – MONITORING, CONTROLS, AND LIMITATIONS FOR PERMITTED DISCHARGES

SECTION A: STORMWATER POLLUTION PREVENTION PLAN

The permittee shall **develop and implement** a Stormwater Pollution Prevention Plan (SWPPP). The SWPPP shall be maintained on site unless exempted from this requirement by the Division. The SWPPP is public information in accordance with Part III, Standard Conditions, Section E, Paragraph 3 of this permit. The SWPPP shall include, at a minimum, the following items:

1. **Site Overview**. The Site Overview shall provide a description of the physical facility and the potential pollutant sources that may be expected to contribute to contamination of stormwater discharges. The Site Overview shall contain the following:

   (a) A general **location map** (USGS quadrangle map or appropriately drafted equivalent map), showing the facility's location in relation to transportation routes and surface waters; the name of the receiving waters to which the stormwater outfalls discharge, or if the discharge is to a municipal separate storm sewer system, the name of the municipality and the ultimate receiving waters; and accurate latitude and longitude of the points of stormwater discharge associated with industrial activity. The general location map (or alternatively the site map) shall identify whether any receiving waters are **impaired** (on the state's 303(d) list of impaired waters) or if the site is located in a **watershed for which a TMDL has been established**, and what the parameters of concern are.

   (b) A **narrative description** of storage practices, loading and unloading activities, outdoor process areas, dust or particulate generating or control processes, and waste disposal practices. A **narrative description** of the potential pollutants that could be expected to be present in the stormwater discharge from each outfall.

   (c) A **site map** drawn at a scale sufficient to clearly depict: the site property boundary; the stormwater discharge outfalls; all on-site and adjacent surface waters and wetlands; industrial activity areas (including storage of materials, disposal areas, process areas, loading and unloading areas, and haul roads); site topography and finished grade; all drainage features and structures; drainage area boundaries and total contributing area for each outfall; direction of flow in each drainage area; industrial activities occurring in each drainage area; buildings; stormwater Best Management Practices (BMPs); and impervious surfaces. The site map must indicate the percentage of each drainage area that is impervious, and the site map must include a graphic scale indication and north arrow.

   (d) A **list of significant spills or leaks** of pollutants during the previous three (3) years and any corrective actions taken to mitigate spill impacts.

   (e) Certification that the stormwater outfalls have been evaluated for the presence of non-stormwater discharges. **The permittee shall re-certify annually that the stormwater outfalls have been evaluated for the presence of non-stormwater discharges.** The certification statement will be signed in accordance with the requirements found in Part III, Standard Conditions, Section B, Paragraph 5.

2. **Stormwater Management Strategy**. The Stormwater Management Strategy shall contain a narrative description of the materials management practices employed which control or minimize the stormwater exposure of significant materials, including structural and nonstructural measures. The Stormwater Management Strategy, at a minimum, shall incorporate the following:

   (a) **Feasibility Study**. A review of the technical and economic feasibility of changing the methods of operations and/or storage practices to eliminate or reduce exposure of materials and processes to rainfall and run-on flows. Wherever practical, the permittee shall prevent exposure of all storage areas, material handling operations, and manufacturing or fueling operations. In areas where elimination of exposure is not practical, this review shall document the feasibility of diverting the stormwater run-on away from areas of potential contamination.

   (b) **Secondary Containment Requirements and Records**. Secondary containment is required for: bulk storage of liquid materials including petroleum products; storage in any amount of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) water priority chemicals; and storage in any amount of hazardous substances, in order to prevent leaks and spills from contaminating stormwater runoff.

      i. A table or summary of all such tanks and stored materials and their associated secondary containment areas shall be maintained.
      ii. If the secondary containment devices are connected to stormwater conveyance systems, the connection shall be controlled by manually activated valves or other similar devices (which shall be secured closed with a locking mechanism).
      iii. Any stormwater that accumulates in the containment area shall be at a minimum visually observed for color, foam, outfall staining, visible sheens and dry weather flow, prior to release of the accumulated stormwater.
      iv. Accumulated stormwater shall be released if found to be uncontaminated by any material.
      v. Records documenting the individual making the observation, the description of the accumulated stormwater, and the date and time of the release shall be kept for a period of five (5) years.
      For facilities subject to a federal oil Spill Prevention, Control, and Countermeasure Plan (SPCC), any portion of the SPCC plan fully compliant with the requirements of this permit may be used to demonstrate compliance with this permit. The Division may allow exceptions to secondary containment requirements for mobile refuelers, as with the exemption provided by amendments to federal SPCC regulations, as long as appropriate spill containment and/or diversionary structures or equipment is used to prevent discharge to surface waters. Exceptions do not apply to refuelers or other mobile tankage used primarily as bulk liquid material storage in a fixed location in place of stationary containers.

   (c) **BMP Summary**. A listing of on-site structural and non-structural Best Management Practices (BMPs) shall be provided. The installation and implementation of BMPs shall be based on the assessment of the potential for sources to contribute significant quantities of pollutants to stormwater discharges and on data collected through monitoring of stormwater discharges. The BMP Summary shall include a written record of the specific rationale for installation and implementation of the selected site BMPs. The BMP Summary shall be reviewed and updated annually.

3. **Spill Prevention and Response Procedures**. The Spill Prevention and Response Procedures (SPRP) shall incorporate an assessment of potential pollutant sources based on a materials inventory of the facility. Facility personnel responsible for implementing the SPRP shall be identified in a written list incorporated into the SPRP and signed and dated by each individual acknowledging their responsibilities for the plan. A responsible person shall be on-site at all times during facility operations that have the potential to contaminate stormwater runoff through spills or exposure of materials associated with the facility operations. The SPRP must be site stormwater specific. Therefore, an oil Spill Prevention Control and Countermeasure plan (SPCC) may be a component of the SPRP but may not be sufficient to completely address the stormwater aspects of the SPRP. The common elements of the SPCC with the SPRP may be incorporated by reference into the SPRP.

4. **Preventative Maintenance and Good Housekeeping Program**. A preventative maintenance and good housekeeping program shall be developed and implemented. The program shall address all stormwater control systems (if applicable), stormwater discharge outfalls, all on-site and adjacent surface waters and wetlands, industrial activity areas (including material storage areas, material handling areas, disposal areas, process areas, loading and unloading areas, and haul roads), all drainage features and structures, and existing structural BMPs. The program shall establish schedules of inspections, maintenance, and housekeeping activities of stormwater control systems, as well as facility equipment, facility areas, and facility systems that present a potential for stormwater exposure or stormwater pollution where not already addressed under another element of the SWPPP. Inspection of material handling areas and regular cleaning schedules of these areas shall be incorporated into the program. Timely compliance with the established schedules for inspections, maintenance, and housekeeping shall be recorded and maintained in the SWPPP.

5. **Facility Inspections**. Inspections of the facility and all stormwater *systems* shall occur as part of the Preventative Maintenance and Good Housekeeping Program at a minimum on a semi-annual schedule, once during the first half of the year (January to June), and once during the second half (July to December), with at least 60 days separating inspection dates (unless performed more frequently than semi-annually). These facility inspections are different from, and in addition to, the stormwater discharge characteristic monitoring *at the outfalls* required in Part II B and C of this permit.

6. **Employee Training**. Training programs shall be developed and training provided at a minimum on an annual basis for facility personnel with responsibilities for: spill response and cleanup, preventative maintenance activities, and for any of the facility's operations that have the potential to contaminate stormwater runoff. The facility personnel responsible for implementing the training shall be identified, and their annual training shall be documented by the signature of each employee trained. Training must include 24-hour reporting requirements for (1) any non-compliance which may endanger health or the environment (Part III, Section E.9. *Twenty-four Hour Reporting*), and (2) any spills as defined in Part III (Section E.7 *Spills*) and Part IV (Item 27. *Significant Spills*).

7. **Responsible Party**. The SWPPP shall identify a specific position or positions responsible for the overall coordination, development, implementation, and revision of the SWPPP. Responsibilities for all components of the SWPPP shall be documented and position assignments provided.

8. **SWPPP Amendment and Annual Update**. The permittee shall amend the SWPPP whenever there is a change in design, construction, operation, site drainage, maintenance, or configuration of the physical features which may have a significant effect on the potential for

the discharge of pollutants to surface waters. **All aspects of the SWPPP shall be reviewed and updated on an annual basis**. The annual update shall include:

(a) an *updated list of significant spills or leaks* of pollutants for the previous three (3) years, or the notation that no spills have occurred (element of the **Site Overview**);
(b) a written *re-certification that the stormwater outfalls have been evaluated for the presence of non-stormwater discharges* (element of the **Site Overview**);
(c) a documented re-evaluation of the effectiveness of the on-site stormwater BMPs (*BMP Summary* element of the **Stormwater Management Strategy**).
(d) a *review and comparison of sample analytical data* to benchmark values (if applicable) over the past year, including a discussion about Tiered Response status. The permittee shall use the Division's Annual Summary Data Monitoring Report (DMR) form, available from the Stormwater Permitting Unit's website (See: https://deq.nc.gov/about/divisions/energy-mineral-land-resources/npdes-stormwater-gps).

The Director may notify the permittee when the SWPPP does not meet one or more of the minimum requirements of the permit. Within 30 days of such notice, the permittee shall submit a time schedule to the Director for modifying the SWPPP to meet minimum requirements. The permittee shall provide certification in writing (in accordance with Part III, Standard Conditions, Section B, Paragraph 5) to the Director that the changes have been made.

9. **SWPPP Implementation**. The permittee shall implement the Stormwater Pollution Prevention Plan and all appropriate BMPs to prevent contaminants from entering surface waters via stormwater. Implementation of the SWPPP shall include documentation of all monitoring, measurements, inspections, maintenance activities, and training provided to employees, including the log of the sampling data and of actions taken to implement BMPs associated with the industrial activities, including vehicle maintenance activities. Such documentation shall be kept on-site for a period of five (5) years and made available to the Director or the Director's authorized representative immediately upon request.

SECTION B: ANALYTICAL MONITORING REQUIREMENTS

Analytical monitoring of stormwater discharges shall be performed as specified in **Table 1**. All analytical monitoring shall be performed during **a measurable storm event** at each stormwater discharge outfall (SDO). Only SDOs discharging *stormwater associated with industrial activity* must be sampled (See Definitions).

A **measurable storm event** is a storm event that results in **an actual discharge** from the permitted site outfall. The previous measurable storm event must have been at least 72 hours prior. The 72-hour storm interval does not apply if the permittee is able to document that a shorter interval is representative for local storm events during the sampling period, and the permittee obtains approval from the local DEMLR Regional Engineer. *See Definitions.*

The permittee shall compare monitoring results to the benchmark values in **Table 1**. The benchmark values in **Table 1** are not permit limits but should be used as guidelines for the permittee's response actions to control the discharge of stormwater-related pollutants. Exceedances of benchmark values require the permittee to increase monitoring, increase management actions, increase record keeping, and/or install stormwater Best Management Practices (BMPs) in a tiered program. See descriptions of **Tier One**, **Tier Two**, and **Tier Three** response actions below. In the event that the Division releases the permittee from continued

monthly monitoring under Tier Three, DEMLR's release letter may remain in effect through subsequent reissuance of this permit, unless the release letter provides for other conditions or duration.

The benchmark values in **Table 1** are not permit limits but shall be used as guidelines for the permittee's response actions to control the discharge of pollutants in site stormwater. An exceedance of a stormwater benchmark value is not a permit violation; however, failure to respond to the exceedance as outlined in this permit is a violation of permit conditions.

Please note that the parameters in the last two rows in Table 1 (non-polar oil and grease and new motor oil usage) are only required for outfalls that discharge runoff from vehicle or equipment maintenance areas in which more than 55 gallons of new motor oil and/or hydraulic oil per month is used when averaged over the calendar year. Equipment maintenance that exceeds this average of hydraulic oil use and that is stored or used outside, or otherwise exposed to stormwater shall perform the monitoring in **Table 1**. (See *Definitions* for vehicle and equipment maintenance activity.)

Table 1. Analytical Monitoring Requirements with Industrial Activities[1]

Parameter Code	Discharge Characteristics	Units	Measurement Frequency[2]	Sample Type[3]	Sample Location[4]	Bench-mark
CO530	Total Suspended Solids (TSS)	mg/L	semi-annual	Grab	SDO	100
CO530	Total Suspended Solids (TSS) HQW, ORW, Trout and PNA	mg/L	semi-annual	Grab	SDO	50
46529	Total Rainfall[5]	inches	semi-annual	Rain gauge	-	-
Additional parameters for vehicle or equipment maintenance areas in which more than 55 gallons of motor oil and/or hydraulic oil are used per month:						
00552	Non-Polar Oil & Grease by *EPA Method1664 (SGT-HEM)*	mg/L	semi-annual	Grab	SDO	15
NCOIL	New Motor Oil or Hydraulic Oil Usage	gal/month	semi-annual	Estimate	-	

Footnotes:

1 Outfalls that have **only** Vehicle Maintenance Areas with no industrial activities shall monitor for: Total Rainfall, TSS, Non-Polar Oil & Grease and New Motor/Hydraulic Oil Usage. The measurement frequencies, sample types, sample locations and benchmarks shall be in accordance with the above table.

2 Measurement Frequency: Twice per year (unless other provisions of this permit prompt monthly sampling) during a **measurable storm event,** until either another permit is issued for this facility or until this permit is revoked or rescinded. If the facility is monitoring monthly because of Tier Two or Three response actions under the previous permit, the facility **shall continue a monthly monitoring and reporting schedule in Tier Two or Tier Three status until relieved by the provisions of this permit or the Division**.

3 Grab samples shall be collected within the first 30 minutes of discharge. When physical separation between outfalls prevents collecting all samples within the first 30 minutes, sampling shall begin within the first 30 minutes, and shall continue until completed.

4 Sample Location: Samples shall be collected at each stormwater discharge outfall (SDO) unless representative outfall status (ROS) has been granted by the Division. A copy of the Division's letter granting ROS must be kept on site.

5 For each sampled **measurable storm event** the total precipitation must be recorded. An on-site rain gauge is required. Where isolated sites are unmanned for extended periods of time, a local rain gauge

reading may be substituted for an on-site reading.

The permittee shall complete the analytical samplings in accordance with the schedule specified below in **Table 2**, unless *adverse weather* conditions prevent sample collection (see *Adverse Weather* in Definitions). A **minimum of 60 days must separate Period 1 and Period 2 sample dates**, unless monthly monitoring has been instituted as part of other requirements of this permit. Inability to sample because of adverse weather conditions must be documented in the DMR, along with a description of the adverse conditions and their duration. The permittee must report the results from each sample taken within the monitoring period (see Part III, Section E). However, for purposes of benchmark comparison and Tiered response actions, the permittee shall use the analytical results from **the first sample with valid results** within the monitoring period.

Table 2 Monitoring Schedule

Semi-annual Monitoring Events[1,2]	Start Date (All Years)[3]	End Date (All Years)[3]
Period 1	January 1	June 30
Period 2	July 1	December 31

Footnotes:
1. Maintain semi-annual monitoring during the General Permit renewal process (unless other provisions of this permit require monthly sampling). The applicant must continue monitoring until the renewed Certificate of Coverage (COC) is issued.
2. If no discharge occurs during the sampling period, the permittee must record "No Flow" or "No Discharge" within 30 days of the end of the sampling period.
3. Monitoring periods remain constant throughout the five-year term of the General Permit. For permittees continuing with renewed coverage under this General Permit, Year 1 begins in Period 1 on **August 1, 2019**.

Failure to monitor semi-annually per permit terms may result in the Division requiring **monthly monitoring** for all parameters for a specified time period. "No discharge" from an outfall or inability to collect a sample because of *adverse weather* conditions during a monitoring period, for example, does not constitute failure to monitor, as long as it is properly reported.

Tier One
If: The first valid sampling results are above a benchmark value, or outside of the benchmark range, for any parameter at any outfall;
Then: The permittee shall: 1. Conduct a stormwater management inspection of the facility **within two weeks of receiving sampling results.** 2. Identify and evaluate possible causes of the benchmark value exceedance. 3. Identify the potential, and select the specific feasible: source controls, operational controls, or physical improvements to reduce concentrations of the parameters of concern, and or to bring concentrations within the benchmark range 4. Implement the selected feasible actions **within two months of the inspection.** 5. Maintain an on-site record of each instance of a Tier One response. Include the date and value of the benchmark exceedance, the inspection date, the personnel conducting the inspection, the selected actions, and the date the selected actions were implemented. Note: Benchmark exceedances for a different parameter separately trigger a tiered response.

Tier Two
If: the **first valid sampling results** from two consecutive monitoring periods (omitting periods with no discharge) are above the benchmark values, or outside the benchmark range, for any specific parameter at a specific discharge outfall;
Then: The permittee shall: 1. Repeat all the required actions outlined above in Tier One. 2. Immediately institute monthly monitoring and reporting for <u>all parameters</u>. The permittee shall conduct monthly monitoring at every outfall where a sampling result exceeded the benchmark value for two consecutive samples. Monthly (analytical and qualitative) monitoring shall continue until three consecutive sample results are below the benchmark values, or within benchmark range. 3. If no discharge occurs during the sampling period, the permittee is required to submit a monthly monitoring report indicating "No Flow" to comply with reporting requirements. 4. *Alternatively,* in lieu of steps 2 and 3, the permittee may, after two consecutive exceedances, exercise the option of contacting the DEMLR Regional Engineer as provided below in Tier Three. The regional Engineer may direct the response actions on the part of the permittee as provided in Tier Three, including reduced or additional sampling parameters or frequency. 5. Maintain a record of the Tier Two response and monitoring results on site. Continue Tier Two response obligation throughout the permit renewal process.

Tier Three
If: The **valid sampling results required for the permit monitoring periods** exceed the benchmark value, or are outside the benchmark range, for any specific parameter at any specific outfall on **four occasions,** the permittee shall notify the DEMLR Regional Engineer in writing **within 30 days of receipt** of the fourth analytical results;
Then: The Division **may but is not limited to:** • require that the permittee revise, increase, or decrease the monitoring frequency for some or all parameters; • require sampling of additional or substitute parameters; • require the permittee to install structural stormwater controls; • require the permittee to implement other stormwater control measures; • require the permittee to perform upstream and downstream monitoring to characterize impacts on receiving waters; • require the permittee to implement site modifications to qualify for a No Exposure Certification; or • require the permittee to continue Tier Three obligations through the permit renewal process.

SECTION C: QUALITATIVE MONITORING REQUIREMENTS FOR STORMWATER DISCHARGES

The purpose of qualitative monitoring is to evaluate the effectiveness of the Stormwater Pollution Prevention Plan (SWPPP) and assess new sources of stormwater pollution. Qualitative monitoring of stormwater outfalls must be performed during a **measurable storm event**.

Qualitative monitoring requires a visual inspection of each stormwater outfall *associated with industrial activity* (not just vehicle and/or equipment maintenance activities), *regardless of* representative outfall status. Qualitative monitoring shall be performed semi-annually as specified in **Table 4**, and during required analytical monitoring events if applicable (unless the permittee is required to perform further qualitative sampling per the **Qualitative Monitoring Response** below). Inability to sample because of adverse weather conditions must be documented in the SWPPP and recorded on the DMR (see *Adverse Weather* in Definitions). Only SDOs discharging *stormwater associated with industrial activity* must be monitored (See Definitions).

In the event an atypical condition is noted at a stormwater discharge outfall, the permittee shall document the suspected cause of the condition and any actions taken in response to the discovery. This documentation will be maintained with the SWPPP.

Table 4. Qualitative Monitoring Requirements

Discharge Characteristics	Frequency[1]	Monitoring Location[2]
Color	semi-annual	SDO
Odor	semi-annual	SDO
Clarity	semi-annual	SDO
Floating Solids	semi-annual	SDO
Suspended Solids	semi-annual	SDO
Foam	semi-annual	SDO
Oil Sheen	semi-annual	SDO
Erosion or deposition at the outfall	semi-annual	SDO
Other obvious indicators of stormwater pollution	semi-annual	SDO

Footnotes:

1 Measurement Frequency: Twice per year (unless other provisions of this permit prompt monthly sampling) during a **measurable storm event**. See **Table 2** for schedule of monitoring periods. The permittee must continue qualitative monitoring throughout the permit renewal process.

2 Monitoring Location: Qualitative monitoring shall be performed at each stormwater discharge outfall (SDO) associated with industrial activity, regardless of representative outfall status**.**

A minimum of 60 days must separate monitoring dates, *unless additional sampling has been instituted as part of other analytical monitoring requirements in this permit*.

If the permittee's qualitative monitoring indicates that existing stormwater BMPs are ineffective, or that significant stormwater contamination is present, the permittee shall investigate potential causes, evaluate the feasibility of corrective actions, and implement those corrective actions within 60 days, per the **Qualitative Monitoring Response**, below. A **written record** of the permittee's

investigation, evaluation, and response actions shall be kept in the Stormwater Pollution Prevention Plan.

Qualitative Monitoring Response
Qualitative monitoring is for the purposes of evaluating SWPPP effectiveness, assessing new sources of stormwater pollution, and prompting the permittee's response to pollution. If the permittee repeatedly fails to respond effectively to correct problems identified by qualitative monitoring, or if the discharge causes or contributes to a water quality standard violation, **DEMLR may but is not limited to:** • require that the permittee revise, increase, or decrease monitoring frequency for some or all parameters (analytical or qualitative); • require the permittee to install structural stormwater controls; • require the permittee to implement other stormwater control measures; • require the permittee to perform upstream and downstream monitoring to characterize impacts on receiving waters; or • require the permittee implement site modifications to qualify for a No Exposure Exclusion.

If the permittee increases to monthly analytical monitoring as a result or Tier 2 or 3 status, qualitative monitoring should also increase to monthly. Qualitative monitoring **results do not need to be submitted to the Division**, except upon DEMLR's specific requirement to do so (See Part III, Section E. 1.), but these monitoring records **must be retained on-site**.

SECTION D: SPECIAL CONDITIONS

A (1.) ELECTRONIC REPORTING OF MONITORING REPORTS [G.S. 143-215.1(b)]

Federal regulations require electronic submittal of all discharge monitoring reports (DMRs) and program reports. The final NPDES Electronic Reporting Rule was adopted and became effective on December 21, 2015.

NOTE: This special condition supplements or supersedes the following sections within Part III of this permit (*Standard Conditions for NPDES Permits*):

- Section B. (5.) Signatory Requirements
- Section D. (6.) Records Retention
- Section E. (1.) Discharge Monitoring Reports
- Section E. (2.) Submitting Reports

1. <u>Reporting Requirements [Supplements Section E. (1.) and Supersedes Section E. (2.)]</u>

Effective **December 21, 2016** <u>or</u> **when the agency's electronic reporting system is able to accept NPDES stormwater permit monitoring data**, the permittee shall report discharge monitoring data electronically using the NC DWR's Electronic Discharge Monitoring Report (eDMR) internet application. NC DEMLR will notify permittees when eDMR is ready to accept stormwater monitoring data.

Monitoring results obtained during the previous month(s) shall be summarized for each month and submitted electronically using eDMR. The eDMR system allows permitted facilities to enter monitoring data and submit DMRs electronically using the internet. Until such time that the state's eDMR application is compliant with EPA's Cross-Media Electronic Reporting Regulation (CROMERR), permittees will be required to submit all discharge monitoring data to the state electronically using eDMR and also will be required to complete the eDMR submission by printing, signing, and submitting one signed original and a copy of the computer printed eDMR to the following address:

NC DEQ / Division of Water Resources
ATTENTION: Central Files
1617 Mail Service Center
Raleigh, North Carolina 27699-1617

If a permittee is unable to use the eDMR system due to a demonstrated hardship or due to the facility being physically located in an area where less than 10 percent of the households have broadband access, then a temporary waiver from the NPDES electronic reporting requirements may be granted and discharge monitoring data may be submitted on paper DMR forms or alternative forms approved by the Director. Duplicate signed copies shall be submitted to the mailing address above. See "How to Request a Waiver from Electronic Reporting" section below.

Regardless of the submission method, the first DMR is due **no later than 30 days from the date the facility receives the sampling results from the laboratory**.

2. How to Request a Waiver from Electronic Reporting

The permittee may seek a temporary electronic reporting waiver from the Division. To obtain an electronic reporting waiver, a permittee must first submit an electronic reporting waiver request to the Division. Requests for temporary electronic reporting waivers must be submitted in writing to the Division for written approval at least sixty (60) days prior to the date the facility would be required under this permit to begin submitting monitoring data and reports. The duration of a temporary waiver shall not exceed 5 years and shall thereupon expire. At such time, monitoring data and reports shall be submitted electronically to the Division unless the permittee re-applies for and is granted a new temporary electronic reporting waiver by the Division. Approved electronic reporting waivers are not transferrable. Only permittees with an approved reporting waiver request may submit monitoring data and reports on paper to the Division for the period that the approved reporting waiver request is effective.

Information on eDMR and the application for a temporary electronic reporting waiver are found on the following web page:

https://deq.nc.gov/about/divisions/water-resources/edmr

3. Signatory Requirements [Supplements Section B. (5.) (b) and Supersedes Section B. (5.) (d)]

All eDMRs submitted to the permit issuing authority shall be signed by a person described in Part III, Section B. (5.)(a) or by a duly authorized representative of that person as described in Part III, Section B. (5.)(b). A person, and not a position, must be delegated signatory authority for eDMR reporting purposes.

For eDMR submissions, the person signing and submitting the DMR must obtain an eDMR user account and login credentials to access the eDMR system. For more information on North Carolina's eDMR system, registering for eDMR and obtaining an eDMR user account, please visit the following web page:

https://deq.nc.gov/about/divisions/water-resources/edmr

Certification. Any person submitting an electronic DMR using the state's eDMR system shall make the following certification [40 CFR 122.22]. NO OTHER STATEMENTS OF CERTIFICATION WILL BE ACCEPTED:

"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

4. Records Retention [Supplements Section D. (6.)]

The permittee shall retain records of all Discharge Monitoring Reports, including eDMR submissions. These records or copies shall be maintained for a period of at least 3 years from the date of the report. This period may be extended by request of the Director at any time [40 CFR 122.41].

PART III STANDARD CONDITIONS FOR NPDES STORMWATER GENERAL PERMITS

SECTION A: COMPLIANCE AND LIABILITY

1. Compliance Schedule
The permittee shall comply with Limitations and Controls specified for stormwater discharges in accordance with the following schedule [40 CFR 122.41]:

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 II, Section A, Paragraph 2(b) 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 II, Section A, Paragraph 2(b) 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 II, Paragraph 2(b) of this general permit shall be accomplished prior to the beginning of discharges from the operation of the industrial activity.

2. Duty to Comply
The permittee must comply with all conditions of this general permit. Any permit noncompliance constitutes a violation of the Clean Water Act (CWA) and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit upon renewal application. [40 CFR 122.41]

a. The permittee shall comply with standards or prohibitions established under section 307(a) of the CWA for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the general permit has not yet been modified to incorporate the requirement. [40 CFR 122.41]

b. The CWA provides that any person who violates section[s] 301, 302, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any such sections in a permit issued under section 402, or any requirement imposed in a pretreatment program approved under sections 402(a)(3) or 402(b)(8) of the Act, is subject to a civil penalty not to exceed $37,500 per day for each violation. [33 USC 1319(d) and 40 CFR 122.41(a)(2)]

c. The CWA provides that any person who negligently violates sections 301, 302, 306, 307, 308, 318, or 405 of the Act, or any condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, or any requirement imposed in a pretreatment program approved under section 402(a)(3) or 402(b)(8) of the Act, is subject to criminal penalties of $2,500 to $25,000 per day of violation, or imprisonment of not more than 1 year, or both. In the case of a second or subsequent conviction for a negligent violation, a person shall be

subject to criminal penalties of not more than $50,000 per day of violation, or by imprisonment of not more than 2 years, or both. [33 USC 1319(c)(1) and 40 CFR 122.41(a)(2)]

d. Any person who *knowingly* violates such sections, or such conditions or limitations is subject to criminal penalties of $5,000 to $50,000 per day of violation, or imprisonment for not more than 3 years, or both. In the case of a second or subsequent conviction for a knowing violation, a person shall be subject to criminal penalties of not more than $100,000 per day of violation, or imprisonment of not more than 6 years, or both. [33 USC 1319(c)(2) and 40 CFR 122.41(a)(2)]

e. Any person who *knowingly* violates section 301, 302, 303, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, shall, upon conviction, be subject to a fine of not more than $250,000 or imprisonment of not more than 15 years, or both. In the case of a second or subsequent conviction for a knowing endangerment violation, a person shall be subject to a fine of not more than $500,000 or by imprisonment of not more than 30 years, or both. An organization, as defined in section 309(c)(3)(B)(iii) of the CWA, shall, upon conviction of violating the imminent danger provision, be subject to a fine of not more than $1,000,000 and can be fined up to $2,000,000 for second or subsequent convictions. [40 CFR 122.41(a)(2)]

f. Under state law, a civil penalty of not more than $25,000 per violation may be assessed against any person who violates or fails to act in accordance with the terms, conditions, or requirements of a permit. [North Carolina General Statutes § 143-215.6A]

g. Any person may be assessed an administrative penalty by the Administrator for violating section 301, 302, 306, 307, 308, 318 or 405 of this Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of this Act. Administrative penalties for Class I violations are not to exceed $20,628 per violation, with the maximum amount of any Class I penalty assessed not to exceed $51,570. Penalties for Class II violations are not to exceed $20,628 per day for each day during which the violation continues, with the maximum amount of any Class II penalty not to exceed $257,848. [33 USC 1319(g)(2) and 40 CFR 122.41(a)(3)]

3. Duty to Mitigate
The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this general permit which has a reasonable likelihood of adversely affecting human health or the environment. [40 CFR 122.41(d)]

4. Civil and Criminal Liability
Except as provided in Part III, Section C of this general permit regarding bypassing of stormwater control facilities, nothing in this permit shall be construed to relieve the permittee from any responsibilities, liabilities, or penalties for noncompliance pursuant to NCGS l43-2l5.3, l43-2l5.6, or Section 309 of the Federal Act, 33 USC 1319. Furthermore, the permittee is responsible for consequential damages, such as fish kills, even though the responsibility for effective compliance may be temporarily suspended.

5. Oil and Hazardous Substance Liability
Nothing in this general permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject to under NCGS l43-2l5.75 et seq. or Section 311 of the Federal Act, 33 USC 1321.

6. Property Rights
The issuance of this general permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any

invasion of personal rights, nor any infringement of Federal, State or local laws or regulations [40 CFR 122.41(g)].

7. Severability
The provisions of this general permit are severable, and if any provision of this general permit, or the application of any provision of this general permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this general permit, shall not be affected thereby [NCGS 150B-23].

8. Duty to Provide Information
The permittee shall furnish to the Permit Issuing Authority, within a reasonable time, any information which the Permit Issuing Authority may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the general permit issued pursuant to this general permit or to determine compliance with this general permit. The permittee shall also furnish to the Permit Issuing Authority upon request, copies of records required to be kept by this general permit [40 CFR 122.41(h)].

9. Penalties for Tampering
The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under this general permit shall, upon conviction, be punished by a fine of not more than $l0,000 per violation, or by imprisonment for not more than two years per violation, or by both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than $20,000 per day of violation, or by imprisonment of not more than 4 years, or both [40 CFR 122.41].

10. Penalties for Falsification of Reports
The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this general permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $l0,000 per violation, or by imprisonment for not more than two years per violation, or by both [40 CFR 122.41].

11. Onshore or Offshore Construction
This general permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

12. Duty to Reapply
Dischargers covered by this general permit need not submit a new Notice of Intent (NOI) or renewal request unless so directed by the Division. If the Division chooses not to renew this general permit, the permittee will be notified to submit an application for an individual permit. [15A NCAC 02H .0127(e)]

SECTION B: GENERAL CONDITIONS

1. General Permit Expiration
General permits will be effective for a term not to exceed five years, at the end of which the Division may renew them after all public notice requirements have been satisfied. If a general permit is renewed, existing permittees do not need to submit a renewal request or pay a renewal fee unless directed by the Division. New applicants seeking coverage under a renewed general permit must submit a Notice of Intent to be covered and obtain a Certificate of Coverage under the renewed general permit. [15A NCAC 02H .0127(e)]

2. Transfers

This general permit is not transferable to any person without prior written notice to and approval from the Director in accordance with 40 CFR 122.61. The Director may condition approval in accordance with NCGS 143-215.1, in particular NCGS 143-215.1(b)(4) b.2., and may require modification or revocation and reissuance of the Certificate of Coverage, or a minor modification, to identify the new permittee and incorporate such other requirements as may be necessary under the CWA [40 CFR 122.41(l)(3), 122.61] or state statute. **The Permittee is required to notify the Division in writing in the event the permitted facility is sold or closed.**

3. When an Individual Permit May be Required

The Director may require any owner/operator authorized to discharge under a certificate of coverage issued pursuant to this general permit to apply for and obtain an individual permit or an alternative general permit. Any interested person may petition the Director to take action under this paragraph. [15A NCAC 02H .0127(i)-(j)] Cases where an individual permit may be required include, but are not limited to, the following:

a. The discharger is a significant contributor of pollutants;
b. Conditions at the permitted site change, altering the constituents and/or characteristics of the discharge such that the discharge no longer qualifies for a general permit;
c. The discharge violates the terms or conditions of this general permit;
d. A change has occurred in the availability of demonstrated technology or practices for the control or abatement of pollutants applicable to the point source;
e. Effluent limitations are promulgated for the point sources covered by this general permit;
f. A water quality management plan containing requirements applicable to such point sources is approved after the issuance of this general permit;
g. The Director determines at his or her own discretion that an individual permit is required.

4. When an Individual Permit May be Requested

Any permittee operating under this general permit may request to be excluded from the coverage of this general permit by applying for an individual permit. When an individual permit is issued to an owner/operator the applicability of this general permit is automatically terminated on the effective date of the individual permit. [15A NCAC 02H .0127(h)]

5. Signatory Requirements

All applications, reports, or information submitted to the Permitting Issuing Authority shall be signed and certified. [40 CFR 122.41(k)]

a. All Notices of Intent to be covered under this general permit shall be signed as follows:
   (1) For a corporation: by a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means: (a) a president, secretary, treasurer or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or (b) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

(2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

(3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. [40 CFR 122.22]

b. All reports required by the general permit and other information requested by the Permit Issuing Authority shall be signed by a person described in paragraph a. above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(1) The authorization is made in writing by a person described above;

(2) The authorization specified either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or well field, superintendent, a position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and

(3) The written authorization is submitted to the Permit Issuing Authority [40 CFR 122.22]

c. Changes to authorization: If an authorization under paragraph (b) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph (b) of this section must be submitted to the Director prior to or together with any reports, information, or applications to be signed by an authorized representative [40 CFR 122.22]

d. Certification. Any person signing a document under paragraphs a. or b. of this section shall make the following certification [40 CFR 122.22]. NO OTHER STATEMENTS OF CERTIFICATION WILL BE ACCEPTED:

"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

6. General Permit Modification, Revocation and Reissuance, or Termination

The issuance of this general permit does not prohibit the Permit Issuing Authority from reopening and modifying the general permit, revoking and reissuing the general permit, or terminating the general permit as allowed by the laws, rules, and regulations contained in Title 40, Code of Federal Regulations, Parts 122 and 123; Title 15A of the North Carolina Administrative Code, Subchapter 2H .0100; and North Carolina General Statute 143-215.1 et al.

After public notice and opportunity for a hearing, the general permit may be terminated for cause. The filing of a request for a general permit modification, revocation and reissuance, or termination does not stay any general permit condition. The **Certificate of Coverage** shall expire when the general permit is terminated.

7. Certificate of Coverage Actions

The general permit may be modified, revoked and reissued, or terminated for cause. The notification of planned changes or anticipated noncompliance does not stay any general permit condition [40 CFR 122.41(f)].

8. Annual Administering and Compliance Monitoring Fee Requirements
The permittee must pay the administering and compliance monitoring fee within 30 (thirty) days after being billed by the Division. Failure to pay the fee in timely manner in accordance with 15A NCAC 2H .0105(b)(2) may cause this Division to initiate action to revoke coverage under the general permit.

SECTION C: OPERATION AND MAINTENANCE OF POLLUTION CONTROLS

1. Proper Operation and Maintenance
The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of this permit. [40 CFR 122.41(e)]

2. Need to Halt or Reduce Not a Defense
It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the condition of this general permit. [40 CFR 122.41(c)]

3. Bypassing of Stormwater Control Facilities
Bypass is prohibited, and the Director may take enforcement action against a permittee for bypass unless:
   a. Bypass was unavoidable to prevent loss of life, personal injury or severe property damage; and
   b. There were no feasible alternatives to the bypass, such as the use of auxiliary control facilities, retention of stormwater or maintenance during normal periods of equipment downtime or dry weather. This condition is not satisfied if adequate backup controls should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
   c. The permittee submitted notices as required under, Part III, Section E of this general permit.

   If the Director determines that it will meet the three conditions listed above, the Director may approve an anticipated bypass after considering its adverse effects.

SECTION D: MONITORING AND RECORDS

l. Representative Sampling
Samples collected and measurements taken, as required herein, shall be characteristic of the volume and nature of the permitted discharge. Analytical sampling shall be performed during a measurable storm event. Samples shall be taken on a day and time that is characteristic of the discharge. All samples shall be taken before the discharge joins or is diluted by any other waste stream, body of water, or substance. Monitoring points as specified in this general permit shall not be changed without notification to and approval of the Permit Issuing Authority. [40 CFR 122.41(j)]

2. Recording Results
For each measurement or sample taken pursuant to the requirements of this general permit, the permittee shall record the following information [40 CFR 122.41]:

   a. The date, exact place, and time of sampling or measurements;
   b. The individual(s) who performed the sampling or measurements;

c. The date(s) analyses were performed;
d. The individual(s) who performed the analyses;
e. The analytical techniques or methods used; and
f. The results of such analyses.

3. Flow Measurements
Where required, appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges.

4. Test Procedures
Test procedures for the analysis of pollutants shall conform to the EMC regulations published pursuant to NCGS l43-2l5.63 et. seq, the Water and Air Quality Reporting Acts, and to regulations published pursuant to Section 304(g), 33 USC 1314, of the Federal Water Pollution Control Act, as Amended, and Regulation 40 CFR 136.

To meet the intent of the monitoring required by this general permit, all test procedures must produce minimum detection and reporting levels and all data generated must be reported down to the minimum detection or lower reporting level of the procedure. If no approved methods are determined capable of achieving minimum detection and reporting levels below general permit discharge requirements, then the most sensitive (method with the lowest possible detection and reporting level) approved method must be used.

5. Representative Outfall
If a facility has multiple discharge locations with substantially identical stormwater discharges that are required to be sampled, the permittee may petition the Director for representative outfall status. If it is established that the stormwater discharges are substantially identical and the permittee is granted representative outfall status, then sampling requirements may be performed at a reduced number of outfalls.

6. Records Retention
Qualitative monitoring shall be documented and records maintained at the facility along with the Stormwater Pollution Prevention Plan (SWPPP). Copies of analytical monitoring results shall also be maintained on-site or be available electronically to a DEMLR inspector upon request. The permittee shall retain records of all monitoring information, including
- all calibration and maintenance records,
- all original strip chart recordings for continuous monitoring instrumentation,
- copies of all reports required by this general permit,
- copies of all data used to complete the Notice of Intent to be covered by this general permit.

These records or copies shall be maintained for a period of at least 5 years from the date of the sample, measurement, report or Notice of Intent application. This period may be extended by request of the Director at any time. [40 CFR 122.41] If this volume of records cannot be maintained on-site, the documents must be made available to an inspector upon request as immediately as possible.

7. Inspection and Entry
The permittee shall allow the Director, or an authorized representative (including an authorized contractor acting as a representative of the Director), or in the case of a facility which discharges through a municipal separate storm sewer system, an authorized representative of a municipal operator or the separate storm sewer system receiving the discharge, upon the presentation of credentials and other documents as may be required by law, to:

a. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this general permit;
b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this general permit;
c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this general permit; and
d. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location. [40 CFR 122.41(i)]

SECTION E: REPORTING REQUIREMENTS

1. Discharge Monitoring Reports

Samples analyzed in accordance with the terms of this general permit shall be submitted to the Division 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). Submittals shall be delivered to the Division **no later than 30 days from the date the facility receives the sampling results from the laboratory**.

When no discharge has occurred from the facility during the report period, the permittee is required to submit a discharge monitoring report, **within 30 days of the end of the specified sampling period**, giving all required information and indicating "NO FLOW" as per NCAC T15A 02B .0506.

If the permittee monitors any pollutant more frequently than required by this general permit using test procedures approved under 40 CFR Part 136 and at a sampling location specified in this general permit or other appropriate instrument governing the discharge, the results of such monitoring shall be included in the data submitted on the DMR. [40 CFR §122.41(l)]

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 should not be submitted to the Division, except upon DEMLR's specific requirement to do so. Qualitative Monitoring Report forms are available at the website above.

2. Submitting Reports

Two signed copies of Discharge Monitoring Reports (DMRs) shall be submitted to DWR Central Files (not DEMLR):

Central Files
Division of Water Resources (DWR)
1617 Mail Service Center
Raleigh, North Carolina 27699-1617

The Permit Issuing Authority may require the permittee to begin reporting monitoring data electronically during the term of this permit. The permittee may be required to use North Carolina's eDMR internet application for that purpose. Until such time that the state's eDMR application is compliant with EPA's Cross-Media Electronic Reporting Regulation (CROMERR), permittees will be required to submit all discharge monitoring data to the state electronically using eDMR and will be required to complete the eDMR submission by printing, signing, and submitting one signed original and a copy of the computer printed eDMR to the address above.

3. Availability of Reports
Except for data determined to be confidential under NCGS 143-215.3(a)(2) or Section 308 of the Federal Act, 33 USC 1318, all reports prepared in accordance with the terms shall be available for public inspection at the offices of the Division. As required by the Act, analytical data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in NCGS 143-215.6B or in Section 309 of the Federal Act.

4. Non-Stormwater Discharges
If the storm event monitored in accordance with this general permit coincides with a non-stormwater discharge, the permittee shall separately monitor all parameters as required under all other applicable discharge permits and provide this information with the stormwater discharge monitoring report.

5. Planned Changes
The permittee shall give notice to the Director as soon as possible of any planned changes at the permitted facility which could significantly alter the nature or quantity of pollutants discharged [40 CFR 122.41(l)]. This notification requirement includes pollutants which are not specifically listed in the general permit or subject to notification requirements under 40 CFR Part 122.42 (a).

6. Anticipated Noncompliance
The permittee shall give advance notice to the Director of any planned changes at the permitted facility which may result in noncompliance with the general permit. [40 CFR 122.41(l)(2)]

7. Spills
The permittee shall report to the local DEMLR Regional Office, within 24 hours, all significant spills as defined in Part IV of this general permit. Additionally, the permittee shall report spills including: any oil spill of 25 gallons or more, any spill regardless of amount that causes a sheen on surface waters, any oil spill regardless of amount occurring within 100 feet of surface waters, and any oil spill less than 25 gallons that cannot be cleaned up within 24 hours.

8. Bypass
Notice [40 CFR 122.41(m)(3)]:
   a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass; including an evaluation of the anticipated quality and effect of the bypass.
   b. Unanticipated bypass. The permittee shall submit notice within 24 hours of becoming aware of an unanticipated bypass.

9. Twenty-four Hour Reporting
   a. The permittee shall report to the central office or the appropriate regional office any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee became aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances.

      The written submission shall contain a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time compliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(l)(6)]

   b. The Director may waive the written report on a case-by-case basis for reports under this section if the oral report has been received within 24 hours.

c. Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at (800) 662-7956, (800) 858-0368 or (919) 733-3300.

10. Other Noncompliance
The permittee shall report all instances of noncompliance not reported under 24-hour reporting at the time monitoring reports are submitted. [40 CFR 122.41(l)(7)]

11. Other Information
Where the Permittee becomes aware that it failed to submit any relevant facts in a Notice of Intent to be covered under this general permit, or submitted incorrect information in that Notice of Intent application or in any report to the Director, it shall promptly submit such facts or information. [40 CFR 122.41(l)(8)]

PART IV DEFINITIONS

1. Act
See Clean Water Act.

2. Adverse Weather
Adverse conditions are those that are dangerous or create inaccessibility for personnel, such as local flooding, high winds, or electrical storms, or situations that otherwise make sampling impractical. When adverse weather conditions prevent the collection of samples during the sample period, the permittee must take a substitute sample or perform a visual assessment during the next qualifying storm event. Documentation of an adverse event (with date, time and written narrative) and the rationale must be included with your SWPPP records. Adverse weather does not exempt the permittee from having to file a monitoring report in accordance with the sampling schedule. Adverse events and failures to monitor must also be explained and reported on the relevant DMR.

3. Allowable Non-Stormwater Discharges
This general permit regulates stormwater discharges. Non-stormwater discharges which shall be allowed in the stormwater conveyance system are:
   a. All other discharges that are authorized by a non-stormwater NPDES permit.
   b. Uncontaminated groundwater, foundation drains, air-conditioner condensate without added chemicals, springs, discharges of uncontaminated potable water, waterline and fire hydrant flushings, water from footing drains, irrigation waters, flows from riparian habitats and wetlands.
   c. Discharges resulting from fire-fighting or fire-fighting training, or emergency shower or eye wash as a result of use in the event of an emergency.

4. Best Management Practices (BMPs)
Measures or practices used to reduce the amount of pollution entering surface waters. BMPs may take the form of a process, activity, or physical structure. More information on BMPs can be found at: **http://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#edu**.

5. Bypass
A bypass is the known diversion of stormwater from any portion of a stormwater control facility including the collection system, which is not a designed or established operating mode for the facility.

6. Bulk Storage of Liquid Products
Liquid raw materials, manufactured products, waste materials or by-products with a single above ground storage container having a capacity of greater than 660 gallons or with multiple above ground storage containers having a total combined storage capacity of greater than 1,320 gallons.

7. Certificate of Coverage
The **Certificate of Coverage** (COC) is the cover sheet which accompanies a general permit upon issuance and lists the facility name, location, receiving stream, river basin, effective date of coverage under the general permit and is signed by the Director.

8. Clean Water Act
The Federal Water Pollution Control Act, also known as the Clean Water Act (CWA), as amended, 33 USC 1251, et. seq.

9. Division or DEMLR
The Division of Energy, Mineral, and Land Resources, Department of Environmental Quality (DEQ), formerly the Department of Environment and Natural Resources.

10. Director
The Director of the Division of Energy, Mineral, and Land Resources, and the permit issuing authority.

11. EMC
The North Carolina Environmental Management Commission.

12. Grab Sample
An individual sample collected instantaneously. Grab samples that will be analyzed (quantitatively or qualitatively) must be taken within the first 30 minutes of discharge.

13. Hazardous Substance
Any substance designated under 40 CFR Part 116 pursuant to Section 311 of the Clean Water Act.

14. Landfill
A disposal facility or part of a disposal facility where waste is placed in or on land and which is not a land treatment facility, a surface impoundment, an injection well, a hazardous waste long-term storage facility or a surface storage facility.

15. Measurable Storm Event
A storm event that results in an actual discharge from the permitted site outfall. The previous measurable storm event must have been at least 72 hours prior. The 72-hour storm interval may not apply if the permittee is able to document that a shorter interval is representative for local storm events during the sampling period, and obtains approval from the local DEMLR Regional Office. Two copies of this information and a written request letter shall be sent to the local DEMLR Regional Office. After authorization by the DEMLR Regional Office, a written approval letter must be kept on site in the permittee's SWPPP.

16. Municipal Separate Storm Sewer System (MS4)
A stormwater collection system within an incorporated area of local self-government such as a city or town.

17. No Exposure
A condition of no exposure means that all industrial materials and activities are protected by a storm-resistant shelter or acceptable storage containers to prevent exposure to rain, snow, snowmelt, or runoff. Industrial materials or activities include, but are not limited to, material handling equipment or activities, industrial machinery, raw materials, intermediate products, by-products, final products, or waste products. DEMLR may grant a No Exposure Exclusion from NPDES stormwater permitting requirements only if a facility complies with the terms and conditions described in 40 CFR 122.26(g).

18. Notice of Intent
The state application form which, when submitted to the Division, officially indicates the facility's notice of intent to seek coverage under a general permit.

19. Permit Issuing Authority
The Director of the Division of Energy, Mineral, and Land Resources (see "Director" above).

20. Permittee
The owner or operator issued a Certificate of Coverage pursuant to this general permit.

21. Point Source Discharge of Stormwater
Any discernible, confined and discrete conveyance including, but not specifically limited to, any pipe, ditch, channel, tunnel, conduit, well, or discrete fissure from which stormwater associated with industrial activity is or may be discharged to waters of the state.

22. Representative Outfall Status (ROS)
When it is established that the discharge of stormwater runoff from a single outfall is representative of the discharges at multiple outfalls, the DEMLR may grant representative outfall status. Representative outfall status allows the permittee to perform analytical monitoring at a reduced number of outfalls.

23. Secondary Containment
Spill containment for the contents of the single largest tank within the containment structure plus sufficient freeboard to allow for the 25-year, 24-hour storm event.

24. Section 313 Water Priority Chemical
A chemical or chemical category which:
   b. Is listed in 40 CFR 372.65 pursuant to Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986, also titled the Emergency Planning and Community Right-to-Know Act of 1986;
   c. Is present at or above threshold levels at a facility subject to SARA title III, Section 313 reporting requirements; and
   d. Meets at least one of the following criteria:
      i. Is listed in appendix D of 40 CFR part 122 on Table II (organic priority pollutants), Table III (certain metals, cyanides, and phenols) or Table IV (certain toxic pollutants and hazardous substances);
      ii. Is listed as a hazardous substance pursuant to section 311(b)(2)(A) of the CWA at 40 CFR 116.4; or
      iii. Is a pollutant for which EPA has published acute or chronic water quality criteria.

25. Severe Property Damage
Substantial physical damage to property, damage to the control facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

26. Significant Materials
Includes, but is not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under section 101(14) of CERCLA; any chemical the facility is required to report pursuant to section 313 of Title III of SARA; fertilizers; pesticides; and waste products such as ashes, slag and sludge that have the potential to be released with stormwater discharges.

27. Significant Spills
Includes, but is not limited to: releases of oil or hazardous substances in excess of reportable quantities under section 311 of the Clean Water Act (Ref: 40 CFR 110.3and 40 CFR 117.3) or section 102 of CERCLA (Ref: 40 CFR 302.4).

28. Stormwater Discharge Outfall (SDO)
The point of departure of stormwater from a discernible, confined, or discrete conveyance, including but not limited to, storm sewer pipes, drainage ditches, channels, spillways, or channelized collection areas, from which stormwater flows directly or indirectly into waters of the State of North Carolina.

29. Stormwater Runoff
The flow of water which results from precipitation and which occurs immediately following rainfall or as a result of snowmelt.

30. Stormwater Associated with Industrial Activity
The discharge from any point source which is used for collecting and conveying stormwater and which is directly related to manufacturing, processing or raw material storage areas at an industrial site. Facilities considered to be engaged in "industrial activities" include those activities defined in 40 CFR 122.26(b)(14). The term does not include discharges from facilities or activities excluded from the NPDES program.

31. Stormwater Pollution Prevention Plan (SWPPP)
A comprehensive site-specific plan which details measures and practices to reduce stormwater pollution and is based on an evaluation of the pollution potential of the site.

32. Total Maximum Daily Load (TMDL)
TMDLs are written plans for attaining and maintaining water quality standards, in all seasons, for a specific water body and pollutant. A list of approved TMDLs for the state of North Carolina can be found at **http://deq.nc.gov/about/divisions/water-resources/planning/modeling-assessment/tmdls**.

33. Toxic Pollutant
Any pollutant listed as toxic under Section 307(a)(l) of the Clean Water Act.

34. Vehicle and Equipment Maintenance Activity
Vehicle rehabilitation, mechanical repairs, painting, fueling, lubrication, vehicle cleaning operations, or airport deicing operations. This definition includes equipment maintenance activity that uses hydraulic oil and that is stored or used outside, or otherwise exposed to stormwater.

35. Visible Sedimentation
Solid particulate matter, both mineral and organic, that has been or is being transported by water, air, gravity, or ice from its site of origin which can be seen with the unaided eye.

36. 25-year, 24-hour Storm Event
The maximum 24-hour precipitation event expected to be equaled or exceeded, on the average, once in 25 years.

Semi-annual Stormwater Discharge Monitoring Report (DMR)

for North Carolina DEMLR General Permit No. NCG160000 - Asphalt

Date submitted _____

CERTIFICATE OF COVERAGE NO. NCG16_____
FACILITY NAME _____
COUNTY _____
PERSON COLLECTING SAMPLES _____
LABORATORY_____**Lab Cert. #** _____
Comments on sample collection or analysis:
_____

SAMPLE COLLECTION YEAR _____
SAMPLE PERIOD ☐ **Jan-June** ☐ **July-Dec**
or ☐ **Monthly**[1]_____ *(month)*
DISCHARGING TO CLASS ☐**ORW** ☐**HQW** ☐**Trout** ☐**PNA**
☐**Zero-flow** ☐**Water Supply** ☐**SA**
☐**Other**_____

PLEASE REMEMBER TO SIGN ON THE REVERSE →

Part A: Stormwater Benchmarks and Monitoring Results

☐ *No discharge this period?*[2]

Outfall No.	Date Sample Collected[1] (mo/dd/yr)	24-hour rainfall amount, Inches[3]	Total Suspended Solids
Benchmarks ===>	-	-	100 mg/L or 50 mg/L[4]

[1] Monthly sampling (instead of semi-annual) must begin with the second consecutive benchmark exceedance for the same parameter at the same outfall.
[2]For sampling periods with no discharge at any single outfall, you must still submit this discharge monitoring report with a check mark here.
[3]The total precipitation must be recorded using data from an on-site rain gauge. Unattended sites may be eligible for a waiver of the rain gauge
[4]requirement. See General Permit text, Table 1, identifying the especially sensitive receiving water classifications where the more protective benchmark applies.
Note: **Results must be reported in numerical format. For example, do not report** Below Detection Limit, BDL, <PQL, Non-detect, ND, or other similar non-numerical format. When results are below the applicable limits, **they must be reported in the format, "<XX mg/L",** where XX is the numerical value of the detection limit, reporting limit, quantitation limit, etc. in mg/L.

Note: If you report a sample value in excess of the benchmark, you must implement Tier 1, Tier 2, or Tier 3 responses. See General Permit text.

Part B: Vehicle Maintenance Area Monitoring Results: only for facilities averaging > 55 gal of new oil per month.

☐ *No discharge this period?*[2]

Outfall No.	Date Sample Collected[1] (mo/dd/yr)	24-hour rainfall amount, Inches[3]	Non-polar O&G by EPA 1664 (SGT-HEM)	Total Suspended Solids	New Motor Oil or Hydraulic Oil Usage, Annual average gal/mo
Benchmarks ===>	-	-	15 mg/L	100 /L or 50 mg/L[4]	-

Footnotes from Part A also apply to this Part B

Note: If you report a sample value in excess of the benchmark, you must implement Tier 1, Tier 2, or Tier 3 responses. See General Permit text.

FOR PART A AND PART B MONITORING RESULTS:

- A SINGLE BENCHMARK EXCEEDANCE TRIGGERS **TIER 1 REQUIREMENTS**.
- 2 EXCEEDANCES IN A ROW FOR THE SAME PARAMETER AT THE SAME OUTFALL TRIGGER **TIER 2 REQUIREMENTS**.
- **TIER 3:** HAS YOUR FACILITY HAD 4 OR MORE BENCHMARK EXCEEDANCES FOR THE SAME PARAMETER AT ANY ONE OUTFALL? **YES** ☐ **NO** ☐
  IF YES, HAVE YOU CONTACTED THE DEMLR REGIONAL OFFICE AS REQUIRED BY THE PERMIT? **YES** ☐ **NO** ☐

REGIONAL OFFICE CONTACT NAME: _____

Mail an original and one copy of this DMR, including all "No Discharge" reports, within 30 days of receipt of the lab results (or at end of monitoring period in the case of "No Discharge" reports) to:

Division of Water Resources
Attn: DWR Central Files
1617 Mail Service Center
Raleigh, North Carolina 27699-1617

YOU MUST SIGN THIS CERTIFICATION FOR ANY INFORMATION REPORTED:

"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

_____ _____

(Signature of Permittee) **(Date)**

STORMWATER DISCHARGE OUTFALL (SDO)
ANNUAL SUMMARY DATA MONITORING REPORT (DMR) / SPPP Annual Update DATA REVIEW FORM
Calendar Year _____

Individual NPDES Permit No. NCS☐☐☐☐☐☐ or
Certificate of Coverage (COC) No. NCG☐☐☐☐☐☐

This monitoring report summary of the calendar year should be kept on file on-site with the facility SPPP.

Facility Name: _____
County: _____
Phone Number: (_____)_____ Total no. of SDOs monitored _____

Outfall No. _____
Is this outfall currently in Tier 2 (monitored monthly)? **Yes** ☐ **No** ☐
Was this outfall ever in Tier 2 (monitored monthly) during the past year? **Yes** ☐ **No** ☐
If this outfall was in Tier 2 last year, why was monthly monitoring discontinued?
Enough consecutive samples below benchmarks to decrease frequency ☐
Received approval from DWQ to reduce monitoring frequency ☐
Other _____ ☐
Was this SDO monitored because of vehicle maintenance activities? **Yes** ☐ **No** ☐

	Total Rainfall, inches	**Parameter, (units)**							
Benchmark	***N/A***								
Date Sample Collected, mm/dd/yy									

Additional Outfall Attachment

Outfall No. _____

Is this outfall currently in Tier 2 (monitored monthly)? **Yes** ☐ **No** ☐

Was this outfall ever in Tier 2 (monitored monthly) during the past year? **Yes** ☐ **No** ☐

If this outfall was in Tier 2 last year, why was monthly monitoring discontinued?

- Enough consecutive samples below benchmarks to decrease frequency ☐
- Received approval from DWQ to reduce monitoring frequency ☐
- Other _____ ☐

Was this SDO monitored because of vehicle maintenance activities? **Yes** ☐ **No** ☐

	Total Rainfall, inches	**Parameter, (units)**							
Benchmark	***N/A***								
Date Sample Collected, mm/dd/yy									

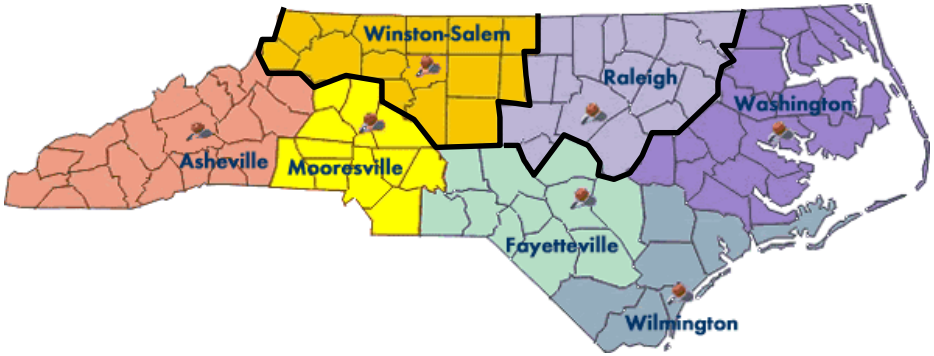
"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Signature _____

Date _____

For questions, contact your local Regional Office:

DEMLR Regional Office Contact Information:



ASHEVILLE REGIONAL OFFICE 2090 US Highway 70 Swannanoa, NC 28778 (828) 296-4500	**FAYETTEVILLE REGIONAL OFFICE** 225 Green Street Systel Building Suite 714 Fayetteville, NC 28301-5043 (910) 433-3300	**MOORESVILLE REGIONAL OFFICE** 610 East Center Avenue/Suite 301 Mooresville, NC 28115 (704) 663-1699
RALEIGH REGIONAL OFFICE 3800 Barrett Drive Raleigh, NC 27609 (919) 791-4200	**WASHINGTON REGIONAL OFFICE** 943 Washington Square Mall Washington, NC 27889 (252) 946-6481	**WILMINGTON REGIONAL OFFICE** 127 Cardinal Drive Extension Wilmington, NC 28405-2845 (910) 796-7215
WINSTON-SALEM REGIONAL OFFICE 450 Hanes Mill Rd, Suite 300 Winston-Salem, NC 27105 (336) 776-9800	**CENTRAL OFFICE** 1617 Mail Service Center Raleigh, NC 27699-1617 (919) 807-6300	

Stormwater Discharge Outfall (SDO)
Qualitative Monitoring Report

For guidance on filling out this form, please visit https://deq.nc.gov/about/divisions/energy-mineral-land-resources/npdes-stormwater-gps

Permit No.: N/C/ / / / / / / / or Certificate of Coverage No.: N/C/G/ / / / / / /

Facility Name: _____

County: _____ Phone No. _____

Inspector: _____

Date of Inspection: _____

Time of Inspection: _____

Total Event Precipitation (inches): _____

All permits require qualitative monitoring to be performed during a "measurable storm event."

A **"measurable storm event"** is a storm event that results in **an actual discharge** from the permitted site outfall. The previous measurable storm event must have been at least 72 hours prior. The 72-hour storm interval does not apply if the permittee is able to document that a shorter interval is representative for local storm events during the sampling period, and the permittee obtains approval from the local DEMLR Regional Office.

By this signature, I certify that this report is accurate and complete to the best of my knowledge:

_____

(Signature of Permittee or Designee)

1. Outfall Description:

Outfall No. _____ Structure (pipe, ditch, etc.): _____

Receiving Stream:

_____

Describe the industrial activities that occur within the outfall drainage area: _____

_____

_____

SWU-242, Last modified 06/01/2018

2. **Color:** Describe the color of the discharge using basic colors (red, brown, blue, etc.) and tint (light, medium, dark) as descriptors: _____

_____

3. **Odor:** Describe any distinct odors that the discharge may have (i.e., smells strongly of oil, weak chlorine odor, etc.): _____

_____

4. **Clarity:** Choose the number which best describes the clarity of the discharge, where 1 is clear and 5 is very cloudy:

1 2 3 4 5

5. **Floating Solids:** Choose the number which best describes the amount of floating solids in the stormwater discharge, where 1 is no solids and 5 is the surface covered with floating solids:

1 2 3 4 5

6. **Suspended Solids:** Choose the number which best describes the amount of suspended solids in the stormwater discharge, where 1 is no solids and 5 is extremely muddy:

1 2 3 4 5

7. Is there any **foam** in the stormwater discharge? ⬭ Yes ⬭ No. _____

8. Is there an **oil sheen** in the stormwater discharge? ⬭ Yes ⬭ No. _____

9. Is there evidence of **erosion or deposition** at the outfall? ⬭ Yes ⬭ No. _____

10. **Other Obvious Indicators of Stormwater Pollution:**

List and describe _____

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

Note: Low clarity, high solids, and/or the presence of foam, oil sheen, or erosion/deposition may be indicative of pollutant exposure. These conditions warrant further investigation.