Annual Report

Term V, Year 4:
July 1, 2025 – June 30, 2026



For Submittal to:
NC Department of Environmental Quality
Division of Energy, Mineral, and Land Resources

Submitted by:
NC Department of Transportation
NPDES Permit No. NCS000250

August 31, 2026

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This report was prepared and submitted to be compliant with North Carolina Department of Transportation's (NCDOT's) National Pollutant Discharge Elimination System (NPDES) stormwater discharge permit (NCS000250) requirement under Part 4.2 of the permit issued May 1, 2022 (Term V permit). This Annual Report includes an assessment of the activities performed under the permit for the fiscal year (July 1, 2025 – June 30, 2026). This period is also referred to herein as Term V Permit Year 4 (or PY4).

This Annual Report follows the format that mimics the general guidance provided by North Carolina Department of Environment Quality (NCDEQ) and includes appropriate information to accurately describe the progress, status, and results of the Department's permitted programs. This Annual Report includes specific annual reporting metrics identified in NCDOT's Transportation Separate Storm Sewer System (TS4) - Stormwater Management Plan (TS4SMP) update, which was approved by NCDEQ on December 18, 2023. TS4SMP resubmittals for NCDEQ approval are not required because NCDOT has only made minor edits to the TS4SMP following PY2 and PY3, which is noted to NCDEQ during the Annual Report submittals. Additionally, the Annual Report assesses the Department's compliance with the permit, provides information on the establishment of appropriate legal authorities, inspections, and enforcement actions where applicable, and includes specific annual reporting metrices identified in NCDOT's TS4SMP for each permitted program area. The TS4SMP effectively serves as NCDOT's five-year business plan outlining the major activities to be performed to comply with the permit along with annual reporting metrics. It is the intent of NCDEQ that the reporting metrics contained in this Annual Report serve as the basis of future annual reports. Hence, this Annual Report contains a brief introduction which is then followed by the detailed TS4SMP tabular summary of the Department's Highway Stormwater Program best management practices (BMPs), measurable goals, schedule for implementation, and reporting metrics for this permit year, as well as anticipated/ planned program activities for the next year. NCDOT's self-assessment for PY4 indicates that the Department was in compliance with the requirements of the TS4SMP.

Highway Stormwater Program staff continued to integrate the Term V permit requirements into the Department's various permit compliance programs during PY4. As anticipated, most programs have remained substantially similar to existing programs. However, several permit programs require significant changes over the course of this five-year permit term. These are detailed in Section 2 of this report.

During this permit term, on September 26-27, 2024 Hurricane Helene hit North Carolina and greatly impacted western North Carolina, the citizens of North Carolina, and the traveling public. The storm and flooding caused a wide swath of destruction to properties throughout western NC and destroyed or caused severe damage to NCDOT roadways, bridges, rail lines, and facilities in western NC, including over 9,400 NCDOT sites, resulting in over 1,600 NCDOT road closure incidents, and damaging 818 NCDOT bridges. Through the support provided by NCDOT staff from all 14 Divisions and NCDOT contractor partners, NCDOT has repaired and reopened over 98% of roadways. Some larger, more complex, major repair sites will be ongoing for a few years. The Department anticipates a multi-year recovery and rebuilding effort. Hurricane Helene also impacted several NCDOT maintenance facilities and stormwater control measures, which have ongoing repairs.

The NPDES permit authorizes NCDOT to discharge stormwater runoff from general roadways including weigh stations and tolling facilities, construction activities disturbing greater than one acre, borrow pits/waste piles, industrial facilities, office buildings, rest areas, and NCDOT-owned railways. Activities conducted by the North Carolina Turnpike Authority and I-77 Mobility Partners are also covered under this permit. The I-77 Mobility Partners Stormwater Management Program Report is included in Appendix A of this report.

Select Accomplishments for Term V Permit Year 4 (July 1, 2025 – June 30, 2026)

Below are a list of programs required by the permit and a few examples of accomplishments achieved during this permit year:

- Public Education and Outreach Program – The permit requires NCDOT to provide educational materials to the traveling public concerning the impacts of stormwater discharges on surface waters and how the public can reduce pollutants in stormwater runoff. In this permit year, NCDOT continued to provide educational materials at Rest Areas/Welcome Centers, Ferry Terminals, and other locations for the traveling public as well as by making anti-litter messaging materials for the public including school-aged children available on NCDOT's website, via social media platforms, and various in-person outreach efforts.

- Public Involvement and Participation Program – NCDOT continued to maintain reporting mechanisms for the public to provide input on stormwater issues during project-specific public meetings, or through NCDOT's website for reporting littering, illicit discharges, or illegal dumping observations. NCDOT also continued to provide volunteer opportunities to support its anti-litter campaign with its Adopt-A-Highway program, Swat-A-Litterbug, and the biannual Litter Sweep program.

- Illicit Discharge Detection and Elimination Program – NCDOT has established procedures for reporting illicit discharges and illegal dumping activities along NCDOT rights-of-way. In this permit year, NCDOT continued to provide training on identifying and reporting illicit discharges and illegal dumping and reporting them to NCDEQ or other appropriate local government agencies for enforcement.

- TS4 Mapping Program – New for the Term V permit, is a requirement to map the components of the Department's drainage system in select areas of the state. The required components to be mapped include pipes, catch basins, open channels, outfalls, and flow direction. Mapping is required in the Phase I municipalities which include: Charlotte, Durham, Fayetteville, Greensboro, Raleigh, and Winston-Salem areas. The project is being implemented in stages and in partnership with the aforementioned municipalities to minimize duplicative data collection. During PY4, NCDOT continued to work on stage 2 of the TS4 Mapping Project with its consultant partners. This work included completion of a geodatabase that houses the TS4 mapping data, and initiating a pilot study that involves detailed desktop reviews of the geodatabase mapping data to verify connectivity, identify

outfalls, and confirm data gaps. Additionally, NCDOT used internal forces and completed its inventory of bridge outfalls that directly discharge to waterbodies located within the six Phase I municipalities in PY4. NCDOT anticipates that the detailed desktop reviews of the geodatabase will be completed in PY5; however, there still exists identified data gaps that have the potential to challenge upcoming Stage 3 work and the project schedule.

- Construction Site Runoff Control Program – NCDOT continues to operate under its delegated authority granted by the NC Sedimentation Control Committee. NCDOT's Construction Program continues to review and approve erosion & sediment control (ESC) plans, implement, and maintain standard specifications and project special provisions, provide guidance on ESC/stormwater issues, perform inspections and monitoring of construction projects, maintain NCDOT's reclamation process, and provide ESC/stormwater training materials to staff and contractors/consultants. The following inspections were performed by REU Field Operations staff in calendar year 2025 for each category of land disturbing activity: 3,764 contract construction projects, 173 maintenance projects, 8 vertical construction projects, 289 bridge maintenance projects, and 10 resurfacing/ shoulder reconstruction projects. During this permit year, NCDEQ initiated its reoccurring annual review of the program with approval of continued program delegation anticipated in PY5.

- Post-Construction Controls

  - BMP Retrofit Program – NCDOT maintains its Retrofit Opportunity Site Selection (ROSS) database of potential stormwater retrofit locations which is integrated within the Department's ArcGIS Online portal. In this permit year, NCDOT performed the following reviews: 13 HUC-12s completely desktop reviewed, 738 Retrofit Investigation Areas (RIAs) desktop reviewed, and 52 ROSS sites identified for field review. The total number of Retrofit Opportunity Areas statewide maintained in ROSS is 78,665. In addition, NCDOT has 23 BMP retrofits that are currently in development.

  - BMP Toolbox – In this permit year, NCDOT continued work toward finalizing its update to the Department's Stormwater Best Management Practices Toolbox design manual. NCDOT anticipated submitting this update to NCDEQ during this permit year; however, formatting to address recently implements Americans with Disabilities Act (ADA) accessibility requirements have caused slight delays. NCDOT anticipates submittal of the BMP Toolbox updates to occur during PY5. Following NCDEQ approval of the updated BMP Toolbox, the manual will be released for use by the Department and its consulting partners for project development and permit compliance.

  - Post-Construction Stormwater Program – NCDOT continues to implement the stormwater treatment requirements outlined in the Post-Construction Stormwater Program (PCSP) which was updated and approved by NCDEQ in 2022. The PCSP integrates state and federal stormwater requirements into a single document thereby

serving as a convenient resource for design teams. In PY4 NCDOT updated the Stormwater Management Plan Microsoft Excel template to provide clarification on Aquatic Threatened and Endangered Species habitat to better align with the Endangered Species Act and the PCSP workflows.

- Pollution Prevention and Good Housekeeping Programs
  - Facilities Operation and Maintenance Program – NCDOT continues to implement and maintain site-specific Stormwater Pollution Prevention Plans (SPPPs) at its non-roadway facilities. NCDOT HSP staff conducted 25 in-person training workshops for NCDOT Divisions, provided additional training sessions to individual Division staff and contractors, performed internal site reviews, and continued to assist Divisions with SPPP implementation. NCDOT continued to conduct analytical monitoring of stormwater discharges at outfalls from two industrial facilities (North Carolina Global TransPark and Washington County Asphalt Plant). New in PY4 is the requirement to begin analytical monitoring of stormwater discharges at outfalls from its other two industrial facilities (Mann's Harbor State Shipyard and NCDOT's Raleigh Railcar & Locomotive Maintenance Facility). Stormwater monitoring was performed at these facilities and Discharge Monitoring Results are included in Appendix B of this Annual Report.
  - Spill Response Program – The permit requires NCDOT to maintain and implement spill response procedures for its non-roadway facilities. In this permit term, NCDOT continued to implement its spill prevention and response program and to provide annual spill response training at its non-roadway facilities. NCDOT continued to maintain its site-specific Spill Prevention Control and Countermeasure (SPCC) Plans which are integrated into its SPPPs for its maintenance facilities with bulk oil storage.
  - TS4 Operation and Maintenance Program – The permit requires NCDOT to develop and implement a TS4 operations & maintenance (O&M) program designed to reduce the discharge of pollutants including particulates, sediment, litter, and debris from the stormwater conveyance system. In addition to performing inspections and maintenance of the TS4 during normal operations, NCDOT also performed significant litter and debris removal activities (see Litter Management) and road sweeping activities. NCDOT performed roadway sweeping statewide in PY4, utilizing both NCDOT Forces and contracted entities, which resulted in a total of 17,993 lane miles swept. In PY4, NCDOT HSP staff continued to coordinate with Division staff regarding identified areas within the TS4 O&M program to implement BMPs to reduce pollutants.
  - Stormwater Control Measure Inspection and Maintenance Program – In this permit year, NCDOT continued to implement its Stormwater Control Measure (SCM) Inspection and Maintenance (I&M) program. This includes Roadside Environmental Unit staff coordinating with consultants and Division staff in performing SCM inspections, preparing SCM repair and rehab scopes of work and cost estimate bid packets,

conducting post-repair assessments of SCMs recently repaired, and providing training to Division staff. Division Roadside Environmental staff coordinated with contractors and other Division staff to complete the non-routine SCM repairs. Additionally, REU HSP staff completed their SCM calibration inspections for the Divisions in PY4, which help to verify the reliability and accuracy of SCM inspections performed by Division staff. NCDOT also updated its SCM I&M Manual, including making manual ADA compliant.

- Vegetation Management Program – Central Roadside continued to coordinate and hold vegetation management training sessions for Division staff. Throughout the permit year, Division staff attended various other trainings that offered pesticide recertification credits. Central Roadside also provided the North Carolina Department of Agriculture & Customer Services (NCDA&CS) approved pesticide recertification training, including discussions of pesticide recertification requirements, applications, methods, aquatic subcategory, pesticide handling, and compliance with NPDES pesticide storage facilities.

- Vehicle and Equipment Maintenance Program – NCDOT maintains a well-established vehicle and equipment preventative maintenance (PM) program for its fleet, which includes routine PM inspections and service of the Department's facilities, vehicles, and equipment. Repairs are performed as needed. NCDOT performs the PM inspections and maintenance based on specific frequencies and schedules for each vehicle/equipment to maintain them in good operating condition and to prevent and minimize vehicle/ equipment leaks and drips to the ground surface.

- Litter Management Program – NCDOT continues its litter management activities including Adopt-A-Highway, Sponsor-A-Highway, Contract Litter Removal, Litter Sweep, and Swat-A-Litterbug programs. The Department documents the efforts of its partners, volunteers, and internal staff on litter collection. In CY 2025, NCDOT and our partner organizations picked up 11,896,200 pounds of litter. Additionally, I-77 MP collected 365,440 lbs of litter and debris in CY 2025 as noted in Appendix A.

- Fecal Coliform Reduction Program – The permit requires NCDOT to take specific actions at its non-roadway facilities including connecting on-site wastewater systems to publicly owned treatment works where feasible, stormwater pollution prevention training of wastewater facility operators, and maintaining pet waste stations. NCDOT continues to maintain Pet Waste Stations at its Rest Area/Welcome Center (RA/WC) facilities and its Ferry Terminals. NCDOT also continued to operate and maintain its on-site domestic wastewater treatment systems at two Rest Areas (I-77 Surry County RA/WC and I-40 Haywood County RA/WC) in accordance with the manufacturer's and State guidance. Septic systems located at other NCDOT non-roadway facilities continue to be maintained and evaluated for connections to public systems.

- TMDL Program – The Term V permit required program updates for how NCDOT complies with EPA-approved total maximum daily loads (TMDLs) by greatly expanding the number of TMDLs that NCDOT must respond to by encompassing all TMDLs developed in North Carolina, regardless of whether the TMDL identifies NCDOT as a significant contributor of the pollutant of concern and assigns a unique wasteload allocation to the Department. In PY4, EPA issued a Draft TMDL for turbidity for the Rocky River in NC. There were no other new EPA approved TMDLs in the state. In PY4, NCDOT updated its TMDL Program protocols and also revised its TMDL Water Quality Improvement Strategies Checklist for Watersheds Subject to NCDOT's Permit. Additionally, NCDOT continues to work with NCDEQ and other partners on the development/ redevelopment of nutrient reduction rules, which are considered a TMDL alternative for Jordan Lake, Falls Lake, and High Rock Lake watersheds.

- Research Program – NCDOT continues to manage multiple ongoing stormwater-related research projects. NCDOT completed three stormwater research projects during this permit term: Research Project (RP) 2022-03 *Optimizing Pesticide Applications along North Carolina Roadsides*; RP 2023-13 *Management of Mud and Diamond Grinding Slurry during Highway Construction and Maintenance*; and RP 2024-44 *Zoysiagrass Expansion on Roadsides - Phase II.* NCDOT Hydraulics Unit and Roadside Environmental Unit staff continue to assist with the coordination of multiple ongoing research projects that support NCDOT's Highway Stormwater Program and its permit requirements. The following are active research projects: 2024-18 *DeepPipe: Spatially Explicit Deep Learning-based Underground Pipe Prediction for Urban Stormwater Management*; RP 2025-03 *AI-driven, Web-deployed, Low-Cost Visual Sensing of Stormwater Outlet Flow*; RP 2026-18 *A Multi-Criteria Framework for Selecting Nature Based Solutions for Remnant Properties for Regulatory Credit*; RP 2020-61 *Updates and Maintenance of the Precipitation Alert and Visualization Tool in Support of NCDOT Stormwater Quality Monitoring*; RP 2025-02 *Feasibility and Efficiency of Onsite DGS Wastewater Disposal; and* RP 2025-04 *Evaluating Biological Soil Amendment Strategies for Vegetation Establishment and Stormwater Management in Post-Construction and Roadside Soils*.

Certification i
Executive Summary iii
Acronyms and Abbreviations xi
1.0 Introduction 1
Purpose 1
Permit Coverage 1
Additional Non-NPDES Stormwater Regulations 2
Highway Stormwater Program Organization 2
Shared Compliance Responsibility 3
2.0 Program Summaries 5
Program Administration BMPs 5
Public Education and Outreach Program 8
Public Involvement and Participation Program 10
TS4 Mapping (within the IDDE Program) 13
Illicit Discharge Detection and Elimination (IDDE) Program 15
Construction Site Runoff Control Program 18
BMP Retrofit Program 23
BMP Toolbox 24
Post Construction Stormwater Program 25
Facilities Operation and Maintenance Program 27
Spill Response Program 30
TS4 Operation and Maintenance Program 32
SCM Inspection and Maintenance Program 36
Vegetation, Pesticide and Fertilizer Management 38
Vehicle and Equipment Maintenance Program 40
Litter Management Program 41
Fecal Coliform Reduction Program 45
Total Maximum Daily Load Program 46
Research Program 48
3.0 Falls and Jordan Lake GREEN Programs 50
Rule Requirements 50
Program Overview 50
Accomplishments 51
Considerations for Term V Permit Year 5 53

Appendices

Appendix A I-77 Mobility Partners Stormwater Management Program Report

Appendix B DMRs for NCDOT Industrial Facilities

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AAH	Adopt-A-Highway
ADA	Americans with Disability Act
ADT	Average Daily Traffic
AGOL	ArcGIS Online
BMP	Best Management Practice
CLR	Contract Litter Removal
CY	Calendar Year
DEMLR	Division of Energy, Mineral, and Land Resources
DWM	Division of Waste Management
EAU	Environmental Analysis Unit
EMC	Environmental Management Commission
EPA	Environmental Protection Agency
ERCON	Erosion Control REU Field Operations Database Application
ESC	Erosion and Sediment Control
ESM	Environmental Sensitivity Map
GH&PP	Good Housekeeping & Pollution Prevention
GIS	Geospatial Information System
Go!NC	NCDOT's Web Mapping Portal
GREEN	Guided Reduction of Excess Environmental Nutrients
HSP	Highway Stormwater Program
HU	Hydraulics Unit
HUC	Hydraulic Unit Code
I&M	Inspection and Maintenance
IDDEP	Illicit Discharge Detection and Elimination Program
IRMA	Industrial Roadway Maintenance Activities
JLOW	Jordan Lake One Water
LM	Litter Management
LMS	Learning Management System
LOS	Level of Service
MEP	Maximum Extent Practicable
MS4	Municipal Separate Storm Sewer System
NA	Not Applicable
NC	North Carolina
NCAC	North Carolina Administration Code
NCDA&CS	North Carolina Department of Agriculture & Customer Services
NCDEQ	North Carolina Department of Environmental Quality
NCDOT	North Carolina Department of Transportation
NCDOT-JLSLAT	NCDOT Jordan Lake Stormwater Nutrient Loading Accounting Tool
NCDWR	North Carolina Department of Water Resources
NCGTP	North Carolina Global TransPark
NCSU	North Carolina State University

NCTA	North Carolina Turnpike Authority
NPDES	National Pollutant Discharge Elimination System
O&M	Operations and Maintenance
ORC	Operator in Responsible Charge
PCSP	Post Construction Stormwater Program
PM	Preventative Maintenance
POTW	Publicly Owned Treatment Works
QA/QC	Quality Assurance/Quality Control
PY	Permit Year
R&D	Research & Development
REU	Roadside Environmental Unit
RIA	Retrofit Investigation Area
ROSS	Retrofit Opportunity Site Selection
ROW	Right of Way
RP	Research Project
SAH	Sponsor-A-Highway
SAP	Systems Applications and Products
SCC	Sedimentation Control Commission
SCM	Stormwater Control Measure
SCMS	Stormwater Control Management System
SGW	Submerged Gravel Wetland
SOP	Standard Operating Procedure
SP	SharePoint
SPCA	Sedimentation Pollution Control Act
SPCC	Spill Prevention Control and Countermeasure
SPPP	Stormwater Pollution Prevention Plan
SPR	Spill Prevention and Response
STIP	State Transportation Improvement Projects
TMDL	Total Maximum Daily Load
TS4	Transportation Separate Storm Sewer System
TS4SMP	Transportation Separate Storm Sewer System Stormwater Management Plan
UNRBA	Upper Neuse River Basin Association
USEPA	United States Environmental Protection Agency
VM	Vegetation Management
WBS	Work Breakdown Structure
WLA	Waste Load Allocation

1.0 Introduction

Purpose

This Annual Report was prepared and submitted to be compliant with North Carolina Department of Transportation's (NCDOT's) statewide National Pollutant Discharge Elimination System (NPDES) stormwater discharge permit (NCS000250) requirement under Part 4.2 of the permit issued May 1, 2022 (Term V permit). This Annual Report includes an assessment of the various achievements and compliance activities performed under the permit for the fiscal year (July 1, 2025 – June 30, 2026). This period is also referred to herein as Term V Permit Year 4 (or PY4).

The Report follows the format that mimics the general guidance provided by North Carolina Department of the Environment Quality (NCDEQ) and includes appropriate information to accurately describe the progress, status, and results of the Department's permitted programs. This Annual Report includes specific annual reporting metrics identified in NCDOT's Transportation Separate Storm Sewer System - Stormwater Management Plan (TS4SMP) update, which was approved by NCDEQ on December 18, 2023. TS4SMP resubmittals for NCDEQ approval are not required because NCDOT has only made minor edits to the TS4SMP following PY2, PY3, and PY4 which is noted to NCDEQ during the Annual Report submittals. This Annual Report assesses the Department's compliance with our permit, provides information on the establishment of appropriate legal authorities, inspections, and enforcement actions where applicable, and includes specific annual reporting metrices identified in NCDOT's TS4SMP for each permitted program area. The TS4SMP effectively serves as NCDOT's five-year business plan outlining the major activities to be performed to comply with the permit along with annual reporting metrics. It is the intent of NCDEQ that the reporting metrics contained in this Annual Report serve as the basis of future annual reports. Hence, this Annual Report contains a brief introduction (Section 1) which is then followed by the detailed TS4SMP tabular summary (Section 2) of the Department's Highway Stormwater Program best management practices (BMPs), measurable goals, schedule for implementation, and reporting metrics for this permit year, as well as anticipated/ planned program activities for remaining years of this permit term. NCDOT's self-assessment for PY4 indicated that the Department was in compliance with the requirements of the TS4SMP.

Permit Coverage

The Highway Stormwater Program (HSP) was established in 1998 to manage NCDOT's compliance with its NPDES stormwater permit. Under this NPDES permit NCDOT is authorized to discharge stormwater from NCDOT's transportation separate storm sewer system (TS4) to surface waters statewide. The Term V NPDES permit, effective through April 30, 2027, specifically authorizes NCDOT to discharge stormwater runoff from the following activities:

- General roadway including weigh stations and tolling facilities
- General railway
- Construction activities disturbing one acre or more
- Borrow pits/waste piles including mines
- Non-roadway facilities with the following TS4 operations:

  - Road and bridge maintenance
  - Vehicle and equipment maintenance
  - Pesticide and fertilizer storage
  - Salt and deicing chemical storage
  - Traffic services
  - Material storage areas
  - Ferry terminals and maintenance areas
  - Rail maintenance
  - Rest areas
  - Administrative buildings
- Non-roadway industrial activities, including:
  - NC Global TransPark (airport activities)
  - Asphalt plants owned and operated by NCDOT
  - NCDOT Mann's Harbor State Shipyard (boat repair activities)
  - NCDOT Railcar & Locomotive Maintenance Facilities (railcar repair activities)

This permit also covers the following sub-organizations:

- All similar activities of the North Carolina Turnpike Authority (NCTA), for all NCTA projects across the state.
- All similar activities of the I-77 Mobility Partners, for the I-77 corridor.

This permit does not cover the activities of the NC Ports Authority which holds separate NPDES stormwater permits.

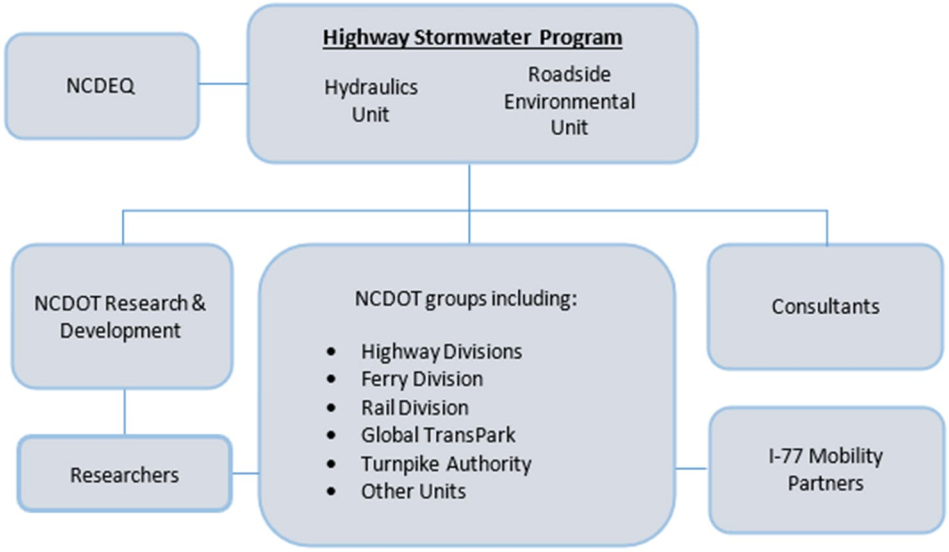
NCDOT's TS4 is distributed across the entire state of North Carolina (NC) including within all 17 major NC River Basins. The NCDOT TS4 is interconnected with other regulated municipal separate storm sewer systems (MS4s) and directly receives and discharges stormwater from and to these systems.

Additional Non-NPDES Stormwater Regulations

The HSP also manages NCDOT's implementation of the stormwater requirements in the Jordan and Falls Reservoir watersheds in compliance with state nutrient load reduction rules for state and federal entities. Annual reporting requirements for these two watersheds can be found in Section 3 of this report and is allowed by 15A North Carolina Administration Code (NCAC) 02B .0271 (8)(c) and 15A NCAC 02B .0281 (11)(d).

Highway Stormwater Program Organization

To implement its NPDES permit, NCDOT has organized the HSP into specific program areas to follow United States Environmental Protection Agency (USEPA) and North Carolina Department of Environmental Quality (NCDEQ) guidance and to effectively address the permit. NCDOT's HSP is collaboratively managed by NCDOT's Hydraulics Unit (HU) and Roadside Environmental Unit (REU) with support from others including NCDOT's consultant partners, Division personnel, and Research & Development staff and researchers (see HSP Organization below).



Shared Compliance Responsibility

NCDOT will share the responsibility to implement its permit requirements with I-77 Mobility Partners for the specified areas of NCDOT's TS4, which are at least as stringent as the corresponding NPDES TS4 Permit requirement. NCDOT remains responsible for compliance if the other entity fails to perform the permit obligation and may be subject to enforcement action if neither NCDOT nor the other entity fully performs the permit obligation. I-77 MP is responsible for implementing specific BMPs or permit requirements. A legal agreement to share responsibility is in place.

There are no other entities applying for co-permittee status under the NPDES TS4 permit number NCS000250 for NCDOT.

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2.0 Program Summaries

This section summarizes NCDOT's TS4SMP Program Area BMPs, measurable goals, scheduled for implementation, annual reporting metrics, and related reporting comments. References below to specific permit years (PY) 1-5 are for Term V. For PY4, NCDOT's self-assessment indicated that the Department was in compliance with the requirements of the TS4SMP. BMPs for PY 5 are included herein; however, their Annual Reporting Metric Outputs and Reporting Comments are listed as "not applicable" for this 2025 Annual Report. Completed BMPs for PY1-PY3 are documented in the respective 2023, 2024, and 2025 Annual Reports.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
Program Administration BMPs							
1	Program Administration BMPs						
1	1.4 Pay the annual administering and compliance monitoring fee.	1. Pay within 30 (thirty) days of being billed.	1. Annually, Permit Years 1-5	1. Yes/No	4	Yes	NPDES Annual permit fee of $4,435 (invoice number 2026PR004240, invoice date 5/1/26) for the period 2026-06-01 to 2027-05-31 was received on 5/12/2026 and paid on 5/22/2026. NCDOT Systems Applications and Products (SAP) document number of 1908995121.
3	See approval of the TS4SMP and maintain a copy online						
3	3.1.4 Submit the TS4SMP to DEMLR within ninety (90) days of permit issuance for DEMLR review and approval. The TS4SMP is deemed approved if no response is received from the DEMLR within 90 days of receipt by the DEMLR.	1. Submit the TS4SMP to DEMLR within ninety (90) days of permit issuance.	1. Within ninety (90) days of permit issuance	1. Yes/No	4	NA	NCDOT's TS4SMP was submitted to DEMLR within 90 days of permit issuance, after PY1 Annual Report submittal, and subsequent versions had minor changes. NCDOT will submit TS4SMP to DEMLR after PY4 Annual Report submittal, and as part of permit renewal application submittal in PY5.
3	2.1.4 Notify DEMLR in writing of any planned major modifications to the TS4SMP. DEMLR will inform the Permittee within 30 days if approval of the modified TS4SMP is required.	2. If major modifications are needed, notify DEMLR in writing.	2. If needed	2. Needed and submitted/ Needed but not submitted/ Not needed	4	Not needed	NCDOT's TS4SMP was updated with minor changes only. A summary of the minor changes was provided with Annual Report submittal to NCDEQ.
3	2.4.1 When specific changes to the program or TS4SMP are required by DEMLR in writing, the Permittee shall provide certification in writing to DEMLR that the changes have been made.	3. Certify that changes required in writing by DEMLR have been made.	3. If needed	3. Needed and submitted/ Needed but not submitted/ Not needed	4	Not needed	NCDOT determined that the Secretary did not need to re-sign the TS4SMP because the minor edits did not result in any operational changes to NCDOT's compliance activities.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
3	2.4.2 When specific changes to the program or TS4SMP are required by DEMLR, the Permittee shall submit a plan and time schedule to DEMLR for modifying the TS4SMP to meet the requirements within 90 days.	4. Modify the TS4SMP and submit within 90 days if changes are required by DEMLR.	4. If needed	4. Needed and submitted/ Needed but not submitted/ Not needed	4	Not needed	DEMLR did not request any changes to the updated TS4SMP.
3	2.1.6 Maintain an up-to-date version of the permit and the TS4SMP online in a manner that is accessible by DEMLR and the public.	5. Maintain an up-to-date version of the permit and TS4SMP on NCDOT's public facing website.	5. Continuously Permit Years 1-5	5. Yes/No	4	Yes	The TS4SMP update was submitted to DEMLR in November 2023 and approved on December 18, 2023. NCDOT has only made minor changes to its TS4SMP in PY2, PY3, and PY4; therefore, TS4SMP updates were not required to be submitted to NCDEQ. An up-to-date version of the permit and TS4SMP are maintained on NCDOT's Connect website. HSP Connect site here: https://connect.ncdot.gov/resources/hydro/Pages/HSPPrograms.aspx
5	Permit Reference and Description of BMP						
5	3.1.2 Maintain a list of positions responsible for implementing the permit and TS4SMP. The list shall include specific positions and a brief description of stormwater responsibilities and/or duties for each listed position.	1. Maintain a list of roles and responsibilities for staff responsible for implementing the TS4SMP and permit.	1. Continuously, Permit Years 2-5	1. Yes/No	4	Yes	No updates were made to NCDOT's roles and responsibilities for TS4SMP and permit implementation.
6	Maintain written procedures						
6	2.2.2 The Permittee shall maintain, and make available to the Division upon request, written procedures for implementing the MCMs, permit requirements, and TS4SMP. Written procedures shall identify specific action steps, schedules, resources, and responsibilities for implementing the MCMs. Written procedures can be free-standing or, where appropriate, integrated into the TS4SMP.	1. Maintain written procedures for implementing the MCMs, permit requirements, and TS4SMP. Make available upon request.	1. Per schedules established in the TS4SMP	1. Yes/No	4	Yes	NCDOT maintains written procedures for implementing MCMs, permit requirements and TS4SMP on various platforms including, but not limited to, its guidance manuals, policies, and procedures located on NCDOT's Connect site, NCDOT.gov site, its HSP SharePoint site, and other internal areas.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
7	Annual TS4SMP Review and Annual Report						
7	4.1 Perform an annual review and update of the TS4SMP.	1. Review the TS4SMP to identify compliance issues, necessary modifications, and improvements needed to maximize TS4SMP effectiveness	1. Annually Permit Years 1-5	1. Yes/No	4	Yes	HSP staff reviewed the TS4SMP and made minor edits in PY4. Note: NCDOT anticipates making modifications to the TS4SMP in concert with its permit renewal application to be submitted to DEMLR in PY5.
7	4.1 Perform an annual review and update of the TS4SMP.	2. Update the TS4SMP as needed to address deficiencies	2. Annually Permit Years 1-5	2. Needed and updated/ Needed, not updated/ Not needed	4	Not needed	NCDOT made minor edits to the TS4SMP and noted these to NCDEQ when submitting the Annual Report.
7	2.1.1 Maintain adequate funding and staffing to implement and manage the provisions of the TS4SMP and meet the requirements of this permit.	3. Assess if the program is adequately funded and staffed.	3. Annually Permit Years 1-5	3. Yes/No	4	Yes	NCDOT requires all project managers to manage and monitor monthly project/program budgets through the NC Enterprise Business Services Cost Planning Application for each active WBS element. The HSP Manager enters into the application a monthly budget for the NPDES program at the start of each fiscal year consistent with the yearly allocation in the STIP. This budget is monitored monthly in SAP and adjustments are made to the Cost Planning Application as necessary. For PY4 the NPDES budget was found to be adequate.
7	2.1.1 Maintain adequate funding and staffing to implement and manage the provisions of the TS4SMP and meet the requirements of this permit.	4. Request additional funding if needed	4. If needed	4. Needed and requested/ Needed, not requested/ Not needed	4	Not Needed	Funding programmed into the STIP is adequate to support the program.
7	4.2 The Permittee shall submit an annual report to DEMLR by August 31 of each year. When required, a permit renewal application may be submitted in lieu of the annual report.	5. Prepare, certify, and submit the annual report to DEMLR prior to August 31 each year. In year 5, a permit renewal application may be submitted in lieu of the annual report.	5. Annually Permit Years 1-4	5. Yes/No	4	Yes	NCDOT has prepared, certified, and submitted the Annual Report for Term V PY4 to DEMLR prior to August 31, 2026.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
Public Education and Outreach Program							
8	Evaluate and Identify Target Pollutants, Likely Sources, and Associated Target Audiences						
8	3.2.1 Evaluate the target pollutants, likely sources, and associated target audiences likely to have significant stormwater impacts to the TS4 and receiving waters.	1. Evaluate identified targets to assess continued applicability.	1. Annually, Permit Years 1-5	1. Yes/No	4	Yes	NCDOT has evaluated the identified targets, and they continue to be applicable. Target pollutants and sources are outlined in the TS4SMP (Section 3.7).
8	3.2.1 Evaluate the target pollutants, likely sources, and associated target audiences likely to have significant stormwater impacts to the TS4 and receiving waters.	2. Update identified targets if needed.	2. Annually, Permit Years 1-5	2. Updated/ Not Needed	4	Not needed	Identified targets, sources, and audiences were evaluated, and were found to be adequate; therefore, no updates are needed.
9	Public Education Materials on Litter to School-Aged Children						
9	3.2.1 and 3.2.2 Provide educational materials that target school-aged children.	1. Make anti-litter packages available to teachers upon request.	1. Continuously, Permit Years 1-5	1. Number provided/ None were requested	4	725 teacher kits provided in CY 2025	NCDOT continues to provide anti-litter packages available to teachers upon request. In CY 2025, NCDOT sent out for school-aged children/ teachers a total of 725 individual teacher kits.
9	3.2.1 and 3.2.2 Provide educational materials that target school-aged children.	2. Make anti-litter materials targeting school-aged children available on NCDOT's website.	2. Continuously, Permit Years 1-5	2. Number of unique materials	4	43 unique materials	NCDOT maintains anti-litter materials targeting school-aged children on its website. This includes 43 unique anti-litter materials on its website.
10	Provide Educational Materials on Litter to Traveling Public						
10	3.2.1 and 3.2.2 Provide educational materials regarding litter to users of NCDOT transportation systems.	1. Make hardcopies of anti-litter brochures available to the public.	1. Annually, Permit Years 1-5	1. Number of hardcopy brochures printed/ Additional copies not needed	4	Additional copies not needed	NCDOT makes hardcopies of anti-litter materials available to the public. In CY 2025, NCDOT Litter Management (LM) did not need to print out additional hardcopies.
10	3.2.1 and 3.2.2 Provide educational materials regarding litter to users of NCDOT transportation systems.	2. Make anti-litter messaging materials for the public available on NCDOT's website.	2. Continuously, Permit Years 1-5	2. Number of unique materials	4	61 unique materials	NCDOT maintains anti-litter messaging for the public available on its website. This includes 43 unique anti-litter materials and 18 unique stormwater pollution prevention materials (litter is a stormwater pollutant) on its website. Additionally, NCDOT's home page provides regular NCDOT Now videos with anti-litter messaging (e.g., Litter Sweep, Secure Your Load).

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
11	Provide general stormwater quality educational materials to Traveling Public						
11	3.2.1 and 3.2.2 Provide general stormwater quality educational materials to users of NCDOT transportation systems.	1. Make stormwater quality educational materials available that discuss the pollutants of concern listed in Table 3.5.	1. Continuously, Permit Years 1-5	1. Number of unique materials	4	286 unique materials	NCDOT maintains stormwater quality educational materials that discuss the pollutants of concern (listed in TS4SMP Table 3.5) on its website which is available to the public. This includes 18 unique stormwater education materials (e.g., activity sheets, information flyer and presentation materials, educator lesson plans, and posters). In addition to its "Environmental" and "Educator Resources" subsites and anti-litter subsites which contain 43 unique anti-litter materials, NCDOT Hydraulics Unit maintains 30 unique Highway Stormwater Program materials on NCDOT Connect, and NCDOT Roadside Environmental Unit maintains 195 unique items for Construction, Erosion & Sediment Control, and Vegetation Management on NCDOT Connect, for a total of 286 unique items.
12	Maintain Public Education and Outreach materials online						
12	3.2.3 Maintain educational materials online.	1. Maintain educational materials regarding stormwater, water quality, TS4 pollutants, and NCDOT stormwater projects and activities online.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	NCDOT maintains educational materials related to stormwater, water quality, TS4 pollutants, and NCDOT stormwater projects and activities on its website.
13	Maintain and promote reporting mechanisms for the traveling public to identify and report littering, illicit discharges, illegal dumping						
13	3.2.4 and 3.4.10 Maintain and promote reporting mechanisms for the public to identify and report littering, illicit discharge, and illegal dumping.	1. Maintain reporting mechanisms though NCDOT's Contact Us Citizen Action Request (CARs) website.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	NCDOT maintains its reporting mechanisms via Contact Us - Citizen Action Request website. (https://www.ncdot.gov/contact/Pages/default.aspx)
13	3.2.4 and 3.4.10 Maintain and promote reporting mechanisms for the public to identify and report littering, illicit discharge, and illegal dumping.	2. Maintain reporting mechanisms via telephone by maintaining contact information on NCDOT's website.	2. Continuously, Permit Years 1-5	2. Yes/No	4	Yes	NCDOT maintains its reporting mechanisms via telephone by maintaining contact information on NCDOT's website https://www.ncdot.gov/contact/Pages/default.aspx, and https://apps.ncdot.gov/dot/directory/authenticated/UnitPage.aspx.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
13	3.2.4 and 3.4.10 Maintain and promote reporting mechanisms for the public to identify and report littering, illicit discharge, and illegal dumping.	3. Maintain reporting mechanisms via telephone through printed materials.	3. Continuously, Permit Years 1-5	3. Yes/No	4	Yes	NCDOT maintains its reporting mechanisms via telephone through printed materials.
13	3.2.4 and 3.4.10 Maintain and promote reporting mechanisms for the public to identify and report littering, illicit discharge, and illegal dumping.	4. Promote multiple reporting mechanisms.	4. Continuously, Permit Years 1-5	4. Yes/No	4	Yes	NCDOT continues to promote multiple reporting mechanisms for the public to identify and report littering, illicit discharges, and illegal dumping.
Public Involvement and Participation Program							
14	Mechanisms for public input on stormwater issues and stormwater program						
14	3.3.1 Provide mechanisms for public input on stormwater issues and the stormwater program.	1. Provide opportunities to comment on stormwater during project-specific public meetings.	1. Continuously, Permit Years 1-5	1. Number of public meetings held	4	29 Public Meetings/Hearings (including Small Group Meetings) held	NCDOT has provided opportunities to comment on stormwater during 29 project-specific public meetings/ public hearings including Small Group Meetings.
14	3.3.1 Provide mechanisms for public input on stormwater issues and the stormwater program.	2. Maintain NCDOT's Contact Us Citizen Action Request (CARs) website.	2. Continuously, Permit Years 1-5	2. Yes/No	4	Yes	NCDOT continues to maintain Contact Us - Citizen Action Request website: (https://www.ncdot.gov/contact/Pages/default.aspx)
14	3.3.1 Provide mechanisms for public input on stormwater issues and the stormwater program.	3. Maintain contact information on NCDOT's website.	3. Continuously, Permit Years 1-5	3. Yes/No	4	Yes	NCDOT continues to maintain contact information on NCDOT's website: (https://www.ncdot.gov/contact/Pages/default.aspx)
14	3.3.1 Provide mechanisms for public input on stormwater issues and the stormwater program.	4. Publish the monthly CARs report on NCDOT's website.	4. Continuously, Permit Years 1-5	4. Yes/No	4	Yes	NCDOT continues to publish the monthly CARs reports on NCDOT's website: https://www.ncdot.gov/about-us/our-mission/Performance/Pages/citizen-action-request-report.aspx
15	Accept interns to participate in NCDOT's Highway Stormwater Program						
15	Accept interns to participate in NCDOT's Highway Stormwater Program.	1. Accept interns as feasible to participate in NCDOT's Highway Stormwater Program.	1. Annually, Permit Years 1-5	1. Number of interns/ Reason not feasible	4	In CY 2025, HU had 2 interns and REU had 2 interns for a total of 4 interns. Additionally, HU had 10 TEAs	NCDOT continues to maintain a College Programs & Internship program. The program specifies eligibility requirements and the application process which is through the North Carolina State Government employment website. A total of 4 interns and 13 Transportation Engineering Associates (TEAs) had involvement with the Highway Stormwater Program between the Hydraulics and Roadside Environmental

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
						and REU had 3 TEAs for a total of 13 TEAs.	units. The number of interns included those employed during CY 2025.
16	Continue Adopt-A-Highway Program						
16	3.3.2 Manage the ongoing Adopt-A-Highway Program.	1. Encourage public participation in the Adopt-A-Highway (AAH) Program.	1. Continuously, Permit Years 1-5	1. Number of groups participating in the program	4	5,002 AAH volunteer groups	NCDOT continues to encourage public participation in its AAH Program through use of its website, public meetings and public outreach efforts, public service announcements, anti-litter campaigns, and various social media platforms. NCDOT's AAH Program participants across the state include civic and community groups; schools; religious, professional, and social organizations, as well as individuals and families.
16	3.3.2 Manage the ongoing Adopt-A-Highway Program.	2. Dispose of litter collected through the AAH Program.	2. Continuously, Permit Years 1-5	2. Quantity of litter collected	4	1,020,480 pounds of litter collected by AAH volunteers	NCDOT continues to maintain its AAH Program. NCDOT LM tracks AAH litter collections through use of its LM website. AAH volunteers submit their litter collections and disposal by submitting a Pickup Report for AAH using NCDOT's online reporting mechanism, which is found at: https://apps.ncdot.gov/LM/Home/Navigation?program=AAHVolunteers.
16	3.3.2 Manage the ongoing Adopt-A-Highway Program.	3. Continue to recognize long term AAH volunteer groups.	3. Continuously, Permit Years 1-5	3. Number of recognitions made	4	354 recognitions to AAH volunteer groups made	NCDOT continues to recognize AAH volunteer groups for their litter collection efforts. In CY 2025, NCDOT LM gave out 353 AAH awards for reaching milestones of 10, 15, 20, 25, 30 and 35 years. Additionally, NCDOT LM coordinates internally with Communications Office to recognize groups or individuals involved in litter collection. Typically, if NCDOT sees that one of our AAH group has posted about their pickup, then the Department shares that or if photos have been shared with us via email, NCDOT drafts up a note to post on our own. Most AAH groups only have a Facebook page. In CY 2025, NCDOT shared/ made 1 post highlighting different group efforts. Social media posts are also shared on other platforms (e.g., Twitter, Instagram). In total,

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
							NCDOT made 354 recognitions to AAH volunteer groups.
16	3.3.2 Manage the ongoing Adopt-A-Highway Program.	4. Maintain list of Litter Management Coordinators.	4. Continuously, Permit Years 1-5	4. Yes/No	4	Yes	NCDOT LM maintains a list of LM Coordinators. These local coordinators are responsible for managing anti-litter programs, such as AAH and Litter Sweep, in their assigned counties. LM Coordinators work directly with volunteers to select an available stretch of state-maintained highway and help answer questions about NCDOT's anti-litter programs.
17	Continue the Statewide Litter Sweep Program						
17	3.3.2 Continue the Statewide Litter Sweep Program.	1. Continue public participation in litter pickup, including the biannual Litter Sweep Program.	1. Continuously, Permit Years 1-5	1. Report the number of volunteers	4	56,153 volunteers	NCDOT continues public participation in litter pickup, including the biannual Litter Sweep Program. In CY 2025, NCDOT had 56,153 volunteers (including 53,777 AAH volunteers and 2,376 Other Volunteers) participate in Litter Pickups.
17	3.3.2 Continue the Statewide Litter Sweep Program.	2. Track the quantity of litter collected by volunteers.	2. Continuously, Permit Years 1-5	2. Document the quantity of litter collected	4	148,470 pounds of litter collected by AAH and Other volunteers during CY 2025 Litter Sweeps	The litter collected by AAH and Other Volunteers during Litter Sweep periods in CY 2025 include 69,945 lbs (fall) + 78,525 lbs (spring) = 148,470 lbs (total). Note: these totals are for AAH and Other Volunteers only; NCDOT normally includes ALL programs in the yearly Interagency Litter Report.
18	Continue the Statewide Swat-A-Litterbug Program						
18	Continue the Statewide Swat-A-Litterbug Program	1. Encourage the public to report littering through the Swat-A-Litterbug Program.	1. Continuously, Permit Years 1-5	1. Number of Swat-A-Litterbug reports submitted	4	4,385 reports submitted	NCDOT continues to encourage the public to report littering through its Swat-A-Litterbug program. NCDOT LM maintains the Swat-A-Litterbug program which includes receiving reports and mailing letters to reported litterers. NCDOT LM system tracks the # reports, but not specific personal information. In CY 2025, NCDOT mailed 4,385 Swat-A-Litterbug letters out to individuals that were reported as littering.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
TS4 Mapping (within the IDDE Program)							
19	Maintain a GIS-based implicit stormwater outfall inventory						
19	3.4.1 Maintain a GIS-based implicit stormwater outfall inventory which includes implicit outfalls from primary and secondary roadways.	1. Maintain a process for deriving a GIS-based implicit stormwater outfall inventory.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	NCDOT maintains a process for deriving its GIS-based implicit stormwater outfall inventory. The implicit inventory is maintained in NCDOT's Environmental Sensitivity Map (ESM) which can be accessed via NCDOT's Connect site.
19	3.4.1 Maintain a GIS-based implicit stormwater outfall inventory which includes implicit outfalls from primary and secondary roadways.	2. Implement the protocol to update the GIS-based implicit stormwater outfall inventory.	2. Annually, Permit Years 1-5	2. Yes/No	4	Yes	NCDOT implemented the protocol and updated the implicit stormwater outfall inventory in PY4.
20	Maintain a Statewide Base Map of the TS4						
20	3.4.2 Develop and maintain a statewide base map of Permittee owned and operated primary routes, secondary roads, surface waters, and bridge and roadway crossings of surface waters.	2. Maintain a process for deriving a GIS-based statewide base map of Permittee owned and operated primary routes, secondary roads, surface waters, and bridge and roadway crossings of surface waters.	2. Continuously, Permit Years 2-5	2. Yes/No	4	Yes	NCDIT Transportation GIS Group maintains GIS standards and practices for deriving statewide base map data.
20	3.4.2 Develop and maintain a statewide base map of Permittee owned and operated primary routes, secondary roads, surface waters, and bridge and roadway crossings of surface waters.	3. Implement the process to update the GIS-based base map.	3. Annually, Permit Years 2-5	3. Yes/No	4	Yes	NCDOT GIS implements the process quarterly.
21	Develop and implement a program for mapping TS4 conveyances and outfalls on primary routes in Phase I MS4 permitted areas						
21	3.4.3 Develop and implement a program for mapping TS4 conveyances and outfalls associated with primary routes which are located within Phase I MS4 permitted areas. The program, at a minimum, shall include mapping of major outfalls, bridge outfalls discharging directly to surface waters, and associated inlets, catch basins, conveyances, and flow directions.	5. Update existing field inventory protocols and data collection application.	5. Permit Year 4	5. Yes/No	4	Partial	NCDOT TS4 Mapping Project team completed the geodatabase of Phase I MS4 aggregated geospatial stormwater conveyance data and NCDOT existing data in PY4. NCDOT initiated a pilot study to assessing the geodatabase using further desktop analyses to complete the TS4 mapping inventory (including inlets, catch basins, conveyances, and outfalls) and to verify system connectivity. Also,

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
							NCDOT began updating the existing field inventory protocols and data collection application.
21	3.4.3 Develop and implement a program for mapping TS4 conveyances and outfalls associated with primary routes which are located within Phase I MS4 permitted areas. The program, at a minimum, shall include mapping of major outfalls, bridge outfalls discharging directly to surface waters, and associated inlets, catch basins, conveyances, and flow directions.	6. Develop or update training materials regarding TS4 Mapping Program for NCDOT staff and contractors.	6. Permit Year 4	6. Yes/No	4	Yes	NCDOT began updating the training materials associated with the TS4 Mapping Program for NCDOT staff and contractors.
22	Implement field data collection for TS4 Mapping Program						
22	Collect field data for priority areas.	1. Perform training for NCDOT Staff and Contractors performing field data collection.	1. Permit Year 5	1. Yes/No	5	NA	Not applicable until Permit Year 5.
22	Collect field data for priority areas.	2. Initiate field data collection in current Phase I MS4 permitted areas.	2. Permit Year 5	2.Yes/No	5	NA	Not applicable until Permit Year 5.
23	Establish a statewide TS4 mapping inventory						
23	3.4.5 Establish a statewide TS4 mapping inventory to, at a minimum, include major outfalls and bridge outfalls discharging directly to surface waters, and associated inlets, catch basins, conveyances, and flow directions associated with primary routes which are located within Phase I MS4 permitted areas.	1. Maintain the data collected in an inventory geodatabase.	1. Permit Year 5	1. Yes/No	5	NA	Not applicable until Permit Year 5.
24	Modify the TS4SMP to include a process and schedule for the TS4 Mapping Program						
24	3.4.4 Modify the TS4SMP to include a process and schedule for the TS4 Mapping Program.	1. If the process or schedule above requires major updates, modify the TS4SMP to include a process and schedule for the TS4 Mapping Program.	1. As needed	1. Needed and modified/ Needed and not modified/ Not needed	4	Not needed	No adjustments to the schedule as outlined in the TS4SMP are needed.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
Illicit Discharge Detection and Elimination (IDDE) Program							
25	Maintain a written IDDE Plan						
25	3.4.7 Maintain and implement a written IDDE Plan to detect and address illicit discharges, illegal dumping and any non-stormwater discharges identified as significant contributors of pollutants to the TS4. The plan will address the required components.	4. Continue to evaluate and assess the IDDE Program.	4. Annually, Permit Years 1-5	4. Yes/No/Partial	4	Yes	NCDOT assessed the IDDE Program and found no changes were needed.
26	Implement the IDDE Plan						
26	Implement the IDDE Plan	1. Identify illicit discharge and illegal dumping when performing other work on the NCDOT ROW.	1. Ongoing, Permit Year 1-5	1. Yes/No/Partial	4	Yes	Illicit discharges and illegal dumping are identified by NCDOT staff and contractors when working on NCDOT Right of Way (ROW).
26	Implement the IDDE Plan	2. Verify illicit discharges and illegal dumps reported by NCDOT staff or the public.	2. As needed, Permit Years 1-5	2. Number of verified illicit discharges and illegal dumps	4	4	NCDOT identified and field-verified 4 illicit discharge/illegal dumping incidents that were reported to the IDDEP POC. Both reported sites were assessed by NCDOT. All reports were assessed by NCDOT.
26	Implement the IDDE Plan	3. Report verified discharges/ illegal dumping to appropriate NCDEQ Regional Office.	3. Ongoing as needed, Permit Years 1-5	3. Number of illicit discharges/ illegal dumping reports to NCDEQ	4	2	NCDOT identified and field verified 2 IDDEP incidents that were reported to NCDEQ.
26	Implement the IDDE Plan	4. Conduct dry weather outfall inspections.	4. As needed, Permit Years 2-5	4. Report number of outfalls inspected	4	243	243 dry weather outfall inspections were conducted during PY4 in association with the bridge outfall inventory project.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
26	Implement the IDDE Plan	5. Eliminate the source(s) of an illicit discharge from NCDOT non-roadway facilities.	5. As needed, Permit Years 1-5	5. Number of illicit discharges from NCDOT non-roadway facilities eliminated/ None found	4	None found	NCDOT performs non-stormwater discharge assessments of its non-roadway facilities and documents if any illicit discharges are found so that they can be properly eliminated. No new illicit discharges were found at NCDOT non-roadway facilities during this permit year.
27	Maintain IDDE reporting procedure						
27	3.4.6 Maintain and implement standardized procedures and documentation for reporting illicit discharges and illegal dumping to the appropriate NCDOT staff for verification.	1. Maintain a process for NCDOT staff and contractors to report observed IDDEs to appropriately trained NCDOT staff for verification.	1. Ongoing, Permit Year 1-5	1. Yes/No	4	Yes	IDDEP process is maintained for NCDOT staff and contractors to report illicit discharges and illegal dumping incidents.
27	3.4.6 Maintain and implement standardized procedures and documentation for reporting illicit discharges and illegal dumping to the appropriate NCDOT staff for verification.	2. Maintain a process for IDDEs reported by the public to be submitted to appropriately trained NCDOT staff for verification.	2. Ongoing, Permit Year 1-5	2. Yes/No/Partial	4	Yes	IDDEP process is maintained for the public to report illicit discharges and illegal dumping incidents such that submitted reports are routed to trained NCDOT staff to verify.
27	3.4.6 Maintain and implement standardized procedures and documentation for reporting illicit discharges and illegal dumping to the appropriate NCDOT staff for verification.	3. Appropriately trained NCDOT staff to verify reported IDDEs in a timely manner.	3. Ongoing, Permit Year 1-5	3. Yes/No/Partial	4	Yes	IDDEs are verified within NCDOT IDDE program criteria by appropriately trained staff.
27	3.4.6 Maintain and implement standardized procedures and documentation for reporting illicit discharges and illegal dumping to the appropriate NCDOT staff for verification.	4. Appropriately trained NCDOT staff to report verified IDDEs to NCDEQ Regional Office and/or local government(s) having jurisdictional authority in a timely manner.	4. Ongoing, Permit Year 1-5	4. Yes/No/Partial	4	Yes	Verified IDDEs are reported per NCDOT IDDEP criteria by appropriately trained staff.
28	Maintain IDDE tracking procedure						
28	3.4.8 Maintain a standard IDDE tracking and documentation procedure for verified IDDE including date observed/ reported, reporting source (staff, public, contractor, etc.), the results of the investigation/	2. Maintain database of verified illicit discharges or illegal dumping.	2. Ongoing, Permit Year 1-5	2. Yes/No	4	Yes	NCDOT has evaluated and updated its existing tracking database of verified illicit discharges or illegal dumping incidents.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
	verification, and the date any verified event was reported to appropriate NCDOT staff, NCDEQ and/or local government having authority to resolve the event.						
29	Publicize reporting mechanism to NCDOT Staff and contractors						
29	3.4.10 Publicize reporting mechanism to NCDOT staff and contractors.	1. Publicize the reporting mechanism to NCDOT staff and contractors.	1. Ongoing, Permit Year 1-5	1. Yes/No	4	Yes	NCDOT publicizes its IDDEP reporting mechanism on NCDOT.gov and NCDOT Connect webpages and via NCDOT posters and brochure handouts.
30	Maintain IDDE training materials						
30	3.4.9 Maintain training materials on how to identify, report and document illicit discharges, illegal dumping.	1. Maintain training materials on how to identify, report and document illicit discharges, illegal dumping.	1. Annually, Permit Years 1-5	1. Yes/No/ Partial	4	Yes	NCDOT maintains training materials on how to identify, report and document illicit discharges and illegal dumping.
30	3.4.9 Maintain training materials on how to identify, report and document illicit discharges, illegal dumping.	2. Update training materials as necessary.	2. As needed, Permit Years 1-5	2. Need and updated/ Needed but not updated/ Not needed	4	Need and updated	NCDOT reviewed IDDEP training materials and updated them accordingly.
31	Provide IDDE training for appropriate staff						
31	3.4.9 Train NCDOT staff and contractors who, as part of their normal job responsibilities, may observe an illicit discharge or illegal dumping.	1. Maintain “train the trainer” and staff training materials.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	NCDOT reviewed IDDEP training materials and updated training materials accordingly.
31	3.4.9 Train NCDOT staff and contractors who, as part of their normal job responsibilities, may observe an illicit discharge or illegal dumping.	2. Provide “train the trainer” instruction to appropriate staff.	2. Annually, Permit Years 1-5	2. Yes/No	4	Yes	“Train the trainer” instruction is provided to appropriate staff.
31	3.4.9 Train NCDOT staff and contractors who, as part of their normal job responsibilities, may observe an illicit discharge or illegal dumping.	3. Distribute materials for local trainers to train local staff.	3. Annually, Permit Years 1-5	3. Yes/No	4	Yes	Training materials are distributed to local trainers to train local staff.
31	3.4.9 Train NCDOT staff and contractors who, as part of their normal job responsibilities, may observe an illicit discharge or illegal dumping.	4. Maintain a tracking mechanism to document the “train the trainer” instruction, including the agenda/materials, date.	4. Annually, Permit Years 1-5	4. Yes/No	4	Yes	NCDOT maintains a tracking log to document the “train the trainer” instruction, including the agenda/materials, date.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
31	3.4.9 Train NCDOT staff and contractors who, as part of their normal job responsibilities, may observe an illicit discharge or illegal dumping.	5. Document date of "train the trainer" instruction and agenda.	5. Continuously, Permit Years 1-5	5. Number of training events	4	28	Following the train-the-trainer approach, NCDOT HSP staff performed various training sessions that covered illicit discharges and illegal dumping. The IDDEP training sessions cover identification of non-stormwater discharges and IDDEP reporting procedures.
31	3.4.9 Train NCDOT staff and contractors who, as part of their normal job responsibilities, may observe an illicit discharge or illegal dumping.	6. Make training materials available to contractors if needed.	6. Continuously, Permit Years 1-5	6. Yes/No/Not needed	4	Yes	Training materials are made available to contractors, as needed.
31	3.4.9 Train NCDOT staff and contractors who, as part of their normal job responsibilities, may observe an illicit discharge or illegal dumping.	7. Evaluate if an update to or additional training resources is needed.	7. Annually, Permit Year 1-5	7. Yes/No/Not needed	4	Yes	NCDOT performed an evaluation of IDDEP training resources in November 2025. REU determined that minor updates were needed to add recent examples of illicit discharges to IDDEP training materials. Therefore, REU incorporated new IDDEP incidents and other relevant information into its training materials.
32	Provide IDDE training for appropriate contractors						
32	3.4.9 Train NCDOT staff and contractors who, as part of their normal job responsibilities, may observe an illicit discharge or illegal dumping.	1. Provide training to appropriate contractors through the Level I or Level II ESC training.	1. Continuously, Permit Years 3-5	1. Yes/No	4	Yes	Training is provided to appropriate contractors through the Level I or Level II ESC training.
Construction Site Runoff Control Program							
33	Implement Delegated Program						
33	3.5.1 Implement the NCDEQ Erosion and Sediment Control Program as delegated to NCDOT.	1. Seek re-delegation of the program.	1. Annually, Permit Years 1-5	1. Application submitted/ application not submitted	4	Application submitted	NCDOT did seek re-delegation of the program in PY4.
33	3.5.1 Implement the NCDEQ Erosion and Sediment Control Program as delegated to NCDOT.	2. Continue delegation of the program.	2. Annually, Permit Years 1-5	2. Program delegated/ Program not delegated	4	Program delegated	NCDOT received continuation of program delegation from NC SCC on November 26, 2025 (filename: SCC Minutes 11.26.25 & 2025 NCDOT Audit Decision Memo, dated November 26, 2025).

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
33	3.5.1 Implement the NCDEQ Erosion and Sediment Control Program as delegated to NCDOT.	3. Participate in an Audit of the program as directed by DEMLR.	3. Annually, Permit Years 1-5	3. Audit held/ Audit not required by DEMLR	4	Audit held	The audit was held from September 3, 2025 to October 21, 2025 and consisted of multiple site visits to various selected construction projects in NCDOT Divisions. Audit results are incorporated into DEMLR's Final Report titled "Annual Review of the ESC Program Delegation to the NCDOT Division of Highways" dated 2025. Approved on November 26, 2025.
34	Incorporate the requirements of NCG010000 into NCDOT's delegated ESC Program						
34	3.5.2 Incorporate the requirements of NCG010000 into NCDOT's delegated ESC Program.	1. Develop a project-specific ESC plan incorporating the requirements of NCG0100000 to be reviewed and approved by NCDOT.	1. Continuously, Permit Years 1-5	1. Number of ESC plans developed	4	627	627 ESC plans were developed in PY4.
34	3.5.2 Incorporate the requirements of NCG010000 into NCDOT's delegated ESC Program.	2. Maintain ESC program guidance on NCDOT website.	2. Continuously, Permit Years 1-5	2. Yes/No	4	Yes	Information regarding ESC for existing NCDOT programs is maintained on NCDOT's Connect site.
34	3.5.2 Incorporate the requirements of NCG010000 into NCDOT's delegated ESC Program.	3. Maintain the NCDOT Erosion and Sediment Control Design and Construction Manual.	3. Continuously, Permit Years 1-5	3. Yes/No	4	Yes	NCDOT's Erosion and Sediment Control Design and Construction Manual is maintained. NCDOT recently updated the manual and posted the updated version to NCDOT's Connect website on April 22, 2026.
34	3.5.2 Incorporate the requirements of NCG010000 into NCDOT's delegated ESC Program.	4. Maintain a program of routine inspections including NPDES Self-Monitoring and SPCA Self- Inspections.	4. Weekly, Permit Years 1-5	4. Yes/No	4	Yes	NCDOT maintains its NPDES Self-Monitoring and Sedimentation Pollution Control Act (SPCA) Self-Inspections program for construction and maintenance projects.
34	3.5.2 Incorporate the requirements of NCG010000 into NCDOT's delegated ESC Program.	5. Maintain program of compliance inspections at active construction sites.	5. Monthly, Permit Years 1-5	5. Yes/No	4	Yes	NCDOT maintains its program of compliance inspections with records at active construction sites.
34	3.5.2 Incorporate the requirements of NCG010000 into NCDOT's delegated ESC Program.	6. Maintain a database of inspections and corrective actions.	6. Continuously, Permit Years 1-5	6. Yes/No	4	Yes	NCDOT maintains its ERCON database of inspections and corrective actions.
34	3.5.2 Incorporate the requirements of NCG010000 into NCDOT's delegated ESC Program.	7.Issue corrective actions in response to inspections.	7. As Needed, Permit Years 1-5	7. Yes/No	4	Yes	NCDOT issues immediate corrective actions (ICAs) in response to inspections if needed and provides follow-up for corrective actions taken.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
34	3.5.2 Incorporate the requirements of NCG010000 into NCDOT's delegated ESC Program.	8. Halt construction activities in response to inspections.	8. As Needed, Permit Years 1-5	8. Yes/No	4	Yes	NCDOT halts construction activities in response to inspections if needed. For this permit year, 5 ICAs were issued (all different projects) with 1 ICA Extension issued. Additionally, NCDOT Contract Administration may also shut down a project separate from the ICA process.
35	Construction Site Waste Management						
35	3.5.3 Construction site operators must control waste from such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste.	1.Maintain guidance on waste disposal from NCDOT construction sites.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	NCDOT has reviewed existing guidance on waste disposal from NCDOT construction sites. Existing guidance is maintained on the NCDOT Connect site.
35	3.5.3 Construction site operators must control waste from such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste.	2. Require construction site operators to control waste from construction sites.	2. Continuously, Permit Years 1-5	2. Yes/No	4	Yes	Construction site operators are required to control waste from construction sites in accordance with NCDOT contract standards and provisions and state/federal laws.
36	Provide and promote a means to notify of issues						
36	3.5.4 Provide a means for staff, contractors, and the public to report observed erosion and sedimentation problems	1. Maintain NCDOT's Contact Us Citizen Action Request (CARs) website.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	NCDOT maintains its Contact Us CARs website: (https://www.ncdot.gov/contact/Pages/default.aspx)
36	3.5.4 Provide a means for staff, contractors, and the public to report observed erosion and sedimentation problems	2. Observations by the public are routed to trained NCDOT staff.	2. Continuously, Permit Years 1-5	2. Yes/No	4	Yes	NCDOT maintains its reporting mechanism for staff, contractors, and the public to report observed erosion and sedimentation problems which includes routing questions to trained staff.
36	3.5.4 Provide a means for staff, contractors, and the public to report observed erosion and sedimentation problems	3. Train appropriate NCDOT Staff and contractors to notify site-specific staff as part of Construction Program training.	3. Continuously, Permit Years 1-5	3. Yes/No	4	Yes	As part of Construction Program training, NCDOT trains appropriate staff and contractors to notify the site-specific staff.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
37	Manage ESC on Borrow Pits and Waste Pile Projects						
37	3.5.6 Manage ESC on Borrow Pits and Waste Pile Projects including activities at NCDOT ferry terminals associated with dredging activities and contractor-owned or leased borrow pits associated with NCDOT projects.	1. Maintain policies to implement ESC measures on non-commercial borrow pits/waste piles.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	NCDOT maintains policies to implement ESC measures on non-commercial borrow pits/waste piles and updates them as needed.
37	3.5.6 Manage ESC on Borrow Pits and Waste Pile Projects including activities at NCDOT ferry terminals associated with dredging activities and contractor-owned or leased borrow pits associated with NCDOT projects.	2. Develop and implement an approved reclamation plan on non-commercial borrow pit/waste pile projects. The reclamation measures utilized shall be in keeping with the reclamation program established by the North Carolina Mining and Energy Commission.	2. Continuously, Permit Years 1-5	2. Number of new reclamation plans implemented	4	216	Reclamation plans are tracked by REU Field Operations staff. Values reported are from ERCON database. In PY4, 163 projects had at least one reclamation plan; 216 total reclamation sites. Additionally, the Ferry Division performed 4 dredging projects in PY4 utilizing spoil sites. Ferry Division dredging projects included: NC State Shipyard Syncrolift, Cherry Branch basin, South Dock basin/entrance channel, and Stumpy Point Emergency Ferry Terminal basin.
37	3.5.6 Manage ESC on Borrow Pits and Waste Pile Projects including activities at NCDOT ferry terminals associated with dredging activities and contractor-owned or leased borrow pits associated with NCDOT projects.	3. Maintain policies to implement appropriate management measures to treat borrow pit discharges for given conditions.	3. Continuously, Permit Years 1-5	3. Yes/No	4	Yes	REU maintains policies for implementing ESC measures to treat borrow pit and waste site discharges on NCDOT Connect site and maintains them as needed.
37	3.5.6 Manage ESC on Borrow Pits and Waste Pile Projects including activities at NCDOT ferry terminals associated with dredging activities and contractor-owned or leased borrow pits associated with NCDOT projects.	4. Inspect and maintain borrow pit sites.	4. Continuously, Permit Years 1-5	4. Yes/No	4	Yes	Borrow pit sites are inspected and maintained.
37	3.5.6 Manage ESC on Borrow Pits and Waste Pile Projects including activities at NCDOT ferry terminals associated with dredging activities and contractor-owned or leased borrow pits associated with NCDOT projects.	5. Maintain training material and instruct field personnel overseeing borrow pit operations.	5. Continuously, Permit Years 1-5	5. Yes/No	4	Yes	Training program material and instruction of field personnel overseeing borrow pit operations is maintained.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
37	3.5.6 Manage ESC on Borrow Pits and Waste Pile Projects including activities at NCDOT ferry terminals associated with dredging activities and contractor-owned or leased borrow pits associated with NCDOT projects.	6. Evaluate and implement appropriate new/innovative technologies.	6. Continuously, Permit Years 1-5	6. Yes/No	4	Yes	NCDOT evaluates and implements new and innovative technologies for ESC as part of NCDOT's Products Evaluation Program and NCDOT's Research Program.
37	3.5.6 Manage ESC on Borrow Pits and Waste Pile Projects including activities at NCDOT ferry terminals associated with dredging activities and contractor-owned or leased borrow pits associated with NCDOT projects.	7. If a Division of Waste Management permit is required, obtain facility-specific coverage under a separate NPDES industrial stormwater permit.	7. As needed, Permit Years 1-5	7. Needed and acquired/ Needed and not acquired/ Not needed	4	Not needed	No separate DWM permits were needed in this permit year.
38	Maintain a list of projects subject to Delegated Program and NCG010000						
38	3.5.8 Maintain a current list of construction projects, borrow pits, waste piles, and dredge spoil piles subject to the delegated Erosion and Sediment Control Program and General Permit No. NCG010000 requirements	2. Maintain a list of projects subject to the delegated Erosion and Sediment Control Program and General Permit No. NCG010000 requirements.	2. Continuously, Permit Years 1-5	2. Number of projects	4	465	Borrow pits and waste piles are considered part of the associated construction source project.
39	Provide training on erosion and sediment control (ESC) to appropriate staff						
39	3.5.9 Provide or require equivalent stormwater pollution awareness training for appropriate NCDOT personnel and contractors involved in construction activities.	1. Train NCDOT staff on implementation of appropriate ESC design and applicable components of NCG010000.	1. Continuously, Permit Years 1-5	1. Number of staff with Level III ESC/SW Certification	4	740 individuals with Level III ESC/SW Certification	159 NCDOT staff with current Level 3 ESC certification, and 581 other individuals (private engineering consultants, contractors, municipal staff, and county staff) with current Level 3 ESC certification, equals 740 total.
39	3.5.9 Provide or require equivalent stormwater pollution awareness training for appropriate NCDOT personnel and contractors involved in construction activities.	2. Require appropriate contractors to be trained on implementation of appropriate ESC design and applicable components of NCG010000.	2. Continuously, Permit Years 1-5	2. Yes/No	4	Yes	NCDOT has specific contract language for required Level I and Level II personnel on projects.
39	3.5.9 Provide or require equivalent stormwater pollution awareness training for appropriate NCDOT personnel and contractors involved in construction activities.	3. Provide construction staff with training on general stormwater awareness, waste management identification of stormwater pollution potential, appropriate spill response actions.	3. Continuously, Permit Years 1-5	3. Yes/No	4	Yes	NCDOT provides Level I & II training through NC State University for appropriate NCDOT personnel and contractors involved in construction activities.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
39	3.5.9 Provide or require equivalent stormwater pollution awareness training for appropriate NCDOT personnel and contractors involved in construction activities.	4. Document date of training, names of staff trained, and agenda.	4. Continuously, Permit Years 1-5	4. Number of training events	4	29 total Level I&II training events held	29 total Level I&II training events were held in CY 2025. This includes 7 Level I Initial and 6 Level I Recertification, & 6 Level II Initial and 6 Level II Recertification, plus on-demand virtual courses for Level I & II. Additionally, 2 Level III Initial & 2 Level III Recertification training events were held. Training program agendas are maintained. Training event documentation includes training session dates and attendees.
39	3.5.9 Provide or require equivalent stormwater pollution awareness training for appropriate NCDOT personnel and contractors involved in construction activities.	5. Make training materials available to contractors.	5. Continuously, Permit Years 1-5	5. Yes/No	4	Yes	NCDOT makes Level I&II training program materials available to contractors. Training materials are maintained on NCDOT Connect site and also provided during classes (maintained by NCSU); this includes hardcopy of materials and flip guide.
BMP Retrofit Program							
40	Identify Potential Retrofit Locations						
40	Identify potential locations to retrofit that address pollutant loading.	1. Maintain a database of potential retrofit locations.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	NCDOT maintains the ROSS database of potential retrofit locations located within NCDOT's ArcGIS Online (AGOL) GO!NC portal, and also maintains a tracking system of on-going retrofit projects.
40	Identify potential locations to retrofit that address pollutant loading.	2. Add new locations identified each year to database	2. Continuously, Permit Years 1-5	2. Number of new locations added to database and total number of locations	4	NA	NCDOT performed the following reviews in PY4: Hydraulic Unit Code (HUC)-12s completely desktop reviewed = 13; Retrofit Investigation Areas desktop reviewed = 738; and ROSS sites identified for field review = 52. The total number of Retrofit Investigation Areas statewide maintained in ROSS is 78,665.
41	Complete Retrofits						
41	3.6.1.a Complete a total of 70 retrofits over the 5-year term of this permit. Maintain a retrofit inventory tracking system.	1. Design and construct or implement retrofits appropriate for the identified pollutants of concern. More than one retrofit can be located at one location.	1. Continuously, Permit Years 1-5	1. Number of retrofits completed within the permit year and the total number of retrofits over all permit terms	4	16 retrofits completed/ awarded in this permit year. 364 total retrofits completed since Permit Term I.	NCDOT continues to design and construct retrofits appropriate for the identified pollutants of concern. BMP Retrofits are tracked on a secured online SharePoint list.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
41	3.6.1.a Complete a total of 70 retrofits over the 5-year term of this permit. Maintain a retrofit inventory tracking system.	2. Maintain a retrofit inventory tracking system. Track status of retrofits.	2. Continuously, Permit Years 1-5	2. Number of retrofits in development within the permit year	4	23 BMP retrofits in development in PY4.	NCDOT maintains a BMP retrofit inventory tracking system which includes tracking of BMP retrofits currently in development.
41	3.6.1.a Complete a total of 70 retrofits over the 5-year term of this permit. Maintain a retrofit inventory tracking system.	3. Incorporate finished SCM retrofits into the I&M program.	3. Continuously, Permit Years 1-5	3. Yes/No	4	Yes	BMP retrofits are tracked and when construction is completed, they are added to NCDOT's SCMS database as a new SCM.
41	3.6.1.a Complete a total of 70 retrofits over the 5-year term of this permit. Maintain a retrofit inventory tracking system.	4. Verify 70 retrofits are completed within the 5-year term of the permit.	4. Once, Permit Year 5	4. Yes/No	5	NA	Not applicable until Permit Year 5.
42	Replace Retrofits that have been removed						
42	3.6.1.b Implement a replacement retrofit for any retrofit completed after the effective date of this permit and subsequently removed from service.	1. Evaluate if any previously credited retrofits have been removed from service.	1. Annually, Permit Years 1-5	1. Number of retrofits removed within the permit year	4	0 removed	NCDOT evaluated if any previously credited retrofits have been removed from service since May 1, 2022 and none were removed.
42	3.6.1.b Implement a replacement retrofit for any retrofit completed after the effective date of this permit and subsequently removed from service.	3. Initiate a plan for a new retrofit for each applicable retrofit removed.	3. As needed, Permit Years 1-5	3. Number of replacement retrofits initiated within the permit year	4	0	NCDOT tracks BMP retrofits and there were no replacement retrofits needed in PY4; therefore, no plans were initiated.
42	3.6.1.b Implement a replacement retrofit for any retrofit completed after the effective date of this permit and subsequently removed from service.	4. Update retrofit inventory tracking system with replacement retrofits.	4. As needed, Permit Years 1-5	4. Needed and updated/ Needed but not updated/ Not needed	4	Not needed	NCDOT evaluated its BMP retrofit tracking system and determined that no updates were needed in PY4.
43	Maintain approved construction drawings and as-built plans						
43	3.6.1.d Maintain approved construction drawings and as-built plans consistent with the permit requirement under 3.6.3(d) below for each structural retrofit established under this permit.	1. Maintain approved construction drawings and as-built plans consistent with the permit requirement under 3.6.3(d) for each structural retrofit established after the effective date of this permit.	1. Continuously, Permit Years 4-5	1. Yes/No	4	Yes	NCDOT maintains approved construction drawings and as-built plans for each structural retrofit established after 5/1/2022.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
BMP Toolbox							
44	Maintain a BMP Toolbox						
44	The Toolbox will include appropriate uses/ anticipated applications and design criteria.	2. Evaluate new BMP types and design elements and recent research to assess if the existing Toolbox needs to be updated.	2. Annually, Permit Years 1-5	2. Yes/No new BMP types applicable/ New BMP types were not evaluated	4	Yes, BMP Toolbox is being updated	Updates to the BMP Toolbox are being made, including ensuring that ADA requirements are being met for Toolbox users. NCDOT expects to submit the updated Toolbox to DEQ for review and approval in PY5.
44	The Toolbox will include appropriate uses/ anticipated applications and design criteria.	3. Update the Toolbox as necessary.	3. Periodically, when determined necessary	3. Toolbox updated/ Toolbox update underway/ Update not necessary	4	Toolbox update underway	BMP Toolbox is currently being updated, including ensuring ADA requirements are being met. Additionally, BMP Toolbox associated training materials are also being updated.
44	The Toolbox will include appropriate uses/ anticipated applications and design criteria.	4. Submit proposed revised or new sections of the BMP Toolbox to NCDEQ for approval prior to implementation.	4. Periodically, when update is determined necessary	4. Toolbox updated and submitted/ Toolbox update underway but not yet submitted/ No updates or submission	4	No, Toolbox update is underway	The BMP Toolbox update is expected to be submitted to DEQ for review and approval in PY5.
Post Construction Stormwater Program							
45	Develop and provide guidance for BMP Toolbox implementation and post-construction requirements						
45	3.6.3.a Define implementation of the approved NCDOT BMP Toolbox and post-construction SCMs in the PCSP Manual.	1. The PCSP manual defines workflows for implementation of the approved NCDOT BMP Toolbox.	1. Continuously, Permit Years 1-5	1. Yes/No/Partial	4	Yes	During PY4 NCDOT staff reviewed the PCSP and confirmed that the manual adequately defines workflows for implementation of the BMP Toolbox.
45	3.6.3.c Submit proposed updates to the PCSP to the Division for approval prior to implementation.	3. Submit proposed revisions to the PCSP to NCDEQ for approval prior to implementation.	3. Periodically, when updated	3. PCSP update and submitted/ PCSP update underway but not yet submitted/ No updates or submission	4	Not needed	There were no updates made to the PCSP in PY4; therefore, no proposed revisions were submitted to NCDEQ.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
45	3.6.3.b Make relevant guidance, post-construction requirements, design standards, checklists, and/or other materials available to staff and contractors.	2. Review PCSP to determine if updates are needed.	2. Annually, Permit Years 2-5	2. Yes/No	4	Yes	During PY4 NCDOT reviewed the PCSP and determined that updates to the PCSP in PY5 may be advantageous to include references to the recently updated Uniform Floodplain Management Policy for State Property.
45	3.6.3.b Make relevant guidance, post-construction requirements, design standards, checklists, and/or other materials available to staff and contractors.	4.Review non-PCSP post-construction guidance to determine if updates are needed.	4. Annually, Permit Years 1-5	4. Yes/No	4	Yes	HSP staff reviewed other guidance including the Hydraulic Guidelines and the PDN. The Guidelines are regularly reviewed by NCDOT staff and updates occur as needed (and each chapter has a revision table to track updates). The PDN was updated in PY4 (January 2026); however, the updates had no impact to PCSP related items.
45	3.6.3.b Make relevant guidance, post-construction requirements, design standards, checklists, and/or other materials available to staff and contractors.	5. Update non-PCSP post-construction guidance as needed.	5. Periodically, as needed	5. Need and updated/ Needed but not updated/ Not needed	4	In progress	NCDOT is working on making minor updates to Chapter 13 (Stormwater Management) of the Hydraulic Guidelines, and any changes (e.g., 15A NCAC 02H rules updates) will be evaluated in PY5.
46	Make guidance available						
46	3.6.3.b Make relevant guidance, post-construction requirements, design standards, checklists, and/or other materials available to staff and contractors.	1. Maintain a current version of the Post-Construction Stormwater Program (PCSP) Manual online.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	During PY4 NCDOT maintained a current version of the PCSP online.
46	3.6.3.b Make relevant guidance, post-construction requirements, design standards, checklists, and/or other materials available to staff and contractors.	2. Maintain a current version of the BMP Toolbox Manual online.	2. Continuously, Permit Years 1-5	2. Yes/No	4	Yes	During PY4 NCDOT maintained a current version of the BMP Toolbox online.
46	3.6.3.b Make relevant guidance, post-construction requirements, design standards, checklists, and/or other materials available to staff and contractors.	3. Maintain a current version of the SCM Inspection and Maintenance Manual online.	3. Continuously, Permit Years 1-5	3. Yes/No	4	Yes	During PY4 NCDOT maintained a current version of the SCM Inspection and Maintenance Manual online.
46	3.6.3.b Make relevant guidance, post-construction requirements, design standards, checklists, and/or other	4. Maintain current versions of other stormwater-related	4. Continuously, Permit Years 1-5	4. Yes/No	4	Yes	During PY4 NCDOT maintained current versions of other stormwater-related design standards and guidance online. Examples include the Guidelines for

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
	materials available to staff and contractors.	design standards and guidance online.					Drainage Studies and Hydraulics Design, QC/QA checklists, Outlet Analysis guidance, Permit Drawing Guidelines, and other documents.
Facilities Operation and Maintenance Program							
48	Maintain an Inventory of Non-roadway Facilities						
48	3.7.1.a Maintain an inventory of non-roadway facilities with the potential to contribute pollution to stormwater runoff. The inventory shall also specifically identify and include each facility that is subject to NPDES industrial stormwater permitting.	2. Identify non-roadway industrial activities (as listed in paragraph 1.1.4 of the permit) which are subject to NPDES industrial stormwater permitting.	2. Annually, Permit Years 1-5	2. Yes/No	4	Yes	NCDOT maintains a list of its non-roadway facilities, which includes facilities that have industrial-type activities. NCDOT REU maintains the list on its server. NCDOT REU coordinates with NCDOT Division staff annually to identify any new non-roadway facilities and then determine if the non-roadway facilities would meet any industrial permit requirements. See BMP No. 52 for non-roadway industrial activities subject to NPDES industrial stormwater permitting.
48	3.7.1.a Maintain an inventory of non-roadway facilities with the potential to contribute pollution to stormwater runoff. The inventory shall also specifically identify and include each facility that is subject to NPDES industrial stormwater permitting.	3. Review non-roadway facilities inventory to confirm its up to date.	3. Annually, Permit Years 2-5	3. Number of non-roadway facilities	4	206	NCDOT maintains a list of 206 non-roadway facilities, including facilities that have industrial-type activities. NCDOT REU staff performed a review of facilities and determined no new facilities are subject to NPDES industrial stormwater permitting.
49	Facility Inspections and Routine Maintenance						
49	3.7.1.b Establish and implement specific frequencies, schedules, and standard documentation for facility inspections and routine maintenance.	1. Establish inspection frequencies for each site in the site-specific SPPP.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	Inspection frequencies have been established for each site in NCDOT's site-specific SPPPs.
49	3.7.1.b Establish and implement specific frequencies, schedules, and standard documentation for facility inspections and routine maintenance.	2. Continue the facility inspection program, including daily, monthly, semi-annual and annual inspections as included in the SPPP for each applicable facility.	2. Continuously, Permit Years 1-5	2. Yes/No	4	Yes	NCDOT continues to implement facility inspections, which include daily, monthly, semi-annual, and annual inspections as outlined in each applicable facility SPPP.
49	3.7.1.b Establish and implement specific frequencies, schedules, and standard	3. Document semi-annual and annual compliance inspections.	3. Annually, Permit Years 1-5	3. Number of inspections	4	399 inspections	NCDOT performs semi-annual and annual inspections at its non-roadway facilities with TS4 operations. NCDOT documents facility inspections

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
	documentation for facility inspections and routine maintenance.						on its SPPP website and within each site-specific SPPPs located on-site at the respective facilities. NCDOT performed 399 semi-annual and annual inspections at its facilities during this permit year.
49	3.7.1.b Establish and implement specific frequencies, schedules, and standard documentation for facility inspections and routine maintenance.	4. Maintain a program to perform routine maintenance of material handling areas and stormwater systems at applicable non-roadway facilities.	4. Continuously, Permit Years 1-5	4. Yes/No	4	Yes	NCDOT continues a program to perform routine maintenance of material handling areas and stormwater systems at applicable non-roadway facilities.
49	3.7.1.b Establish and implement specific frequencies, schedules, and standard documentation for facility inspections and routine maintenance.	5. Maintain preventative maintenance program of facility equipment and systems.	5. Continuously, Permit Years 1-5	5. Yes/No	4	Yes	NCDOT continues to maintain a preventative maintenance program of facility equipment and systems.
49	3.7.1.b Establish and implement specific frequencies, schedules, and standard documentation for facility inspections and routine maintenance.	6. Maintain a program to perform maintenance if indicated during inspection, as needed.	6. As needed, Permit Years 1-5	6. Yes/No	4	Yes	NCDOT continues to maintain a program to perform maintenance if the need is identified during an inspection.
50	Provide training to facilities staff						
50	3.7.1.c Provide annual staff training for facility staff on general stormwater awareness, implementing pollution prevention and good housekeeping practices, spill response, preventative maintenance, and identifying and reporting illicit discharges and illegal dumping.	1. Maintain “train the trainer” and staff training materials.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	"Train the trainer" and staff training materials are maintained and available to NCDOT trainers/personnel. NCDOT site-specific SPPPs and SPPP videos are used for training at facilities. NCDOT's IRMA BMP Guidance Manual is available to NCDOT trainers. Posters, guidance documents, and various training PPTs are also provided to trainers.
50	3.7.1.c Provide annual staff training for facility staff on general stormwater awareness, implementing pollution prevention and good housekeeping practices, spill response, preventative maintenance, and identifying and reporting illicit discharges and illegal dumping.	2. Provide “train the trainer” instruction to appropriate staff.	2. Annually, Permit Years 1-5	2. Yes/No	4	Yes	“Train the trainer” instruction is provided to NCDOT Division staff, as needed.
50	3.7.1.c Provide annual staff training for facility staff on general stormwater awareness, implementing pollution	3. Distribute materials for local trainers to train local staff.	3. Annually, Permit Years 1-5	3. Yes/No	4	Yes	Training materials are distributed to Division trainers so they can train local staff.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
	prevention and good housekeeping practices, spill response, preventative maintenance, and identifying and reporting illicit discharges and illegal dumping.						
50	3.7.1.c Provide annual staff training for facility staff on general stormwater awareness, implementing pollution prevention and good housekeeping practices, spill response, preventative maintenance, and identifying and reporting illicit discharges and illegal dumping.	4. Maintain a tracking mechanism to document the "train the trainer" instruction, including the agenda/materials, date.	4. Annually, Permit Years 1-5	4. Yes/No	4	Yes	NCDOT maintains a web-based tracking log that includes attributes (e.g., date, location, agenda, materials, attendees) to document train the trainer sessions.
50	3.7.1.c Provide annual staff training for facility staff on general stormwater awareness, implementing pollution prevention and good housekeeping practices, spill response, preventative maintenance, and identifying and reporting illicit discharges and illegal dumping.	5. Document date of "train the trainer" instruction and agenda.	5. Continuously, Permit Years 1-5	5. Number of training events	4	25	In PY4, following the train-the-trainer approach, NCDOT HSP staff performed 25 training sessions for staff to address SPPP implementation, which included GH&PP, IDDEP, PM, Spill Prevention and Response (SPR), etc. Each training session varied in length depending on needs of the attendees. The PY4 training sessions included updated SPPP/SPCC Training for Equipment Shop staff and SPPP Implementation Training for Team Leaders.
50	3.7.1.c Provide annual staff training for facility staff on general stormwater awareness, implementing pollution prevention and good housekeeping practices, spill response, preventative maintenance, and identifying and reporting illicit discharges and illegal dumping.	6. Make training materials available to contractors if needed.	6. Continuously, Permit Years 1-5	6. Yes/No/Not needed	4	Yes	Training materials are available to contractors, as needed.
50	3.7.1.c Provide annual staff training for facility staff on general stormwater awareness, implementing pollution prevention and good housekeeping practices, spill response, preventative maintenance, and identifying and reporting illicit discharges and illegal dumping.	7. Evaluate if an update to or additional training resources is needed.	7. Annually, Permit Year 1-5	7. Yes/No/Not needed	4	Yes	NCDOT performed an evaluation of existing training materials and determined only minor updates to existing materials were needed. NCDOT updated its training materials for the Level I and Level II SPPP/SPCC Implementation Training Workshops, which were conducted this permit year.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
51	Develop, maintain, and implement SPPPs NCDOT non-roadway facilities with TS4 operations						
51	3.7.1.d NCDOT non-roadway facilities with TS4 operations will maintain and implement a site-specific Stormwater Pollution Prevention Plan (SPPP) to address good housekeeping and pollution prevention from their operations, and should include inspections.	1. Implement SPPPs following USEPA and NCDEQ guidance for stormwater pollution prevention and BMPs.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	NCDOT site-specific SPPPs are implemented for stormwater pollution prevention and BMPs.
51	3.7.1.d NCDOT non-roadway facilities with TS4 operations will maintain and implement a site-specific Stormwater Pollution Prevention Plan (SPPP) to address good housekeeping and pollution prevention from their operations, and should include inspections.	2. For new activities or facilities, the SPPP shall be developed and implemented prior to operation.	2. Continuously, Permit Years 1-5	2. Yes/No/Not needed	4	Yes	NCDOT developed and implemented new SPPPs for four facilities.
51	Non-roadway facilities with TS4 operations are inspected as part of the SPPP and/or Paragraph 3.7.6 in lieu of NCG080000 requirements for stormwater point source discharges from like industrial activities, as deemed to be similar by DEMLR. [MM1]	3. Maintain a tracking system for SPPP implementation.	3. Continuously, Permit Years 1-5	3. Yes/No	4	Yes	SPPP implementation is tracked on-site at each site-specific SPPP binder located at each facility. Additionally, NCDOT REU tracks SPPP implementation. NCDOT also utilizes the SPPP website to aid in SPPP implementation.
Spill Response Program							
53	Identify and Inventory non-roadway facilities with the potential to contaminate stormwater runoff or surface waters from spills						
53	3.7.2.b Maintain a current inventory of facilities that store and/or use materials that have the potential to contaminate stormwater runoff or surface waters if spilled.	2. Implement a procedure to evaluate facilities.	2. Annually, Permit Years 3-5	2. Yes/No	4	Yes	SPPP/SPCC Plan site review procedures are implemented at the facilities.
53	3.7.2.b Maintain a current inventory of facilities that store and/or use materials that have the potential to contaminate stormwater runoff or surface waters if spilled.	3. Identify which non-roadway facilities that store and/or use materials having the potential to contaminate stormwater runoff or surface waters if spilled.	3. Annually, Permit Years 3-5	3. Yes/No	4	Yes	REU staff have reviewed and identified which non-roadway facilities store and/or use materials that have the potential to contaminate stormwater runoff or surface waters.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
54	Spill Response Procedures						
54	3.7.2.c Maintain and implement written spill response procedures.	1. Maintain written spill response procedures.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	Written spill response procedures are maintained via NCDOT's SPPP/SPCC Plan Template.
54	3.7.2.c Maintain and implement written spill response procedures.	2. Evaluate the spill response procedures and update if needed.	2. Annually, Permit Years 1-5	2. Yes/No/Update not needed	4	Update not needed	REU reviewed spill response procedures and determined that an update to its SPPP/SPCC Plan template was not needed. However, REU did make updates to some site-specific SPPP/SPCC Plans as needed.
54	3.7.2.c Maintain and implement written spill response procedures.	3. Implement spill response procedures.	3. As needed, Permit Years 1-5	3. Needed and implemented / Needed by not implemented / Not needed	4	Yes	Spill response procedures implemented via SPPP/SPCC Plans at Facilities, SPPP/SPCC website, including Form 25.
55	Provide spill response training to appropriate staff						
55	3.7.2.d Provide annual spill response training for facility staff who will respond to facilities that store and/or use materials that have the potential to contaminate stormwater runoff or surface waters if spilled.	1. Maintain “train the trainer” and staff training materials.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	"Train the trainer" and staff training materials are maintained and available to NCDOT trainers/personnel. NCDOT site-specific SPPP/SPCC Plans and SPPP videos are used for training at facilities. NCDOT's IRMA BMP Guidance Manual is available to NCDOT trainers. Posters, guidance documents, and various training PPTs are also provided to trainers.
55	3.7.2.d Provide annual spill response training for facility staff who will respond to facilities that store and/or use materials that have the potential to contaminate stormwater runoff or surface waters if spilled.	2. Provide “train the trainer” instruction to appropriate staff.	2. Annually, Permit Years 1-5	2. Yes/No	4	Yes	NCDOT provided "Train the trainer" instruction to NCDOT staff, as needed.
55	3.7.2.d Provide annual spill response training for facility staff who will respond to facilities that store and/or use materials that have the potential to contaminate stormwater runoff or surface waters if spilled.	3. Distribute materials for local trainers to train local staff.	3. Annually, Permit Years 1-5	3. Yes/No	4	Yes	Training materials were distributed as requested to local trainers for use in training local staff.
55	3.7.2.d Provide annual spill response training for facility staff who will respond to facilities that store and/or use materials	4. Maintain a tracking mechanism to document the “train the trainer” instruction,	4. Annually, Permit Years 1-5	4. Yes/No	4	Yes	NCDOT HSP staff maintains tracking mechanisms to document train the trainer instructions. Specific training agendas, materials, and dates of training are

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
	that have the potential to contaminate stormwater runoff or surface waters if spilled.	including the agenda/ materials, date.					tracked for each instruction. NCDOT utilizes a training log for scheduled training events; LMS to track online, on-demand training; and facility SPPP/SPCC Plan binders at the facilities.
55	3.7.2.d Provide annual spill response training for facility staff who will respond to facilities that store and/or use materials that have the potential to contaminate stormwater runoff or surface waters if spilled.	5. Document date of "train the trainer" instruction and agenda.	5. Continuously, Permit Years 1-5	5. Number of training events	4	25	Following the train-the-trainer approach, NCDOT HSP staff conducted 25 SPPP/SPCC Plan implementation training sessions for Division staff, which included NCDOT's spill prevention and response procedures. Training sessions are documented on NCDOT's training log, and include training session dates, attendees, and agenda.
55	3.7.2.d Provide annual spill response training for facility staff who will respond to facilities that store and/or use materials that have the potential to contaminate stormwater runoff or surface waters if spilled.	6. Make training materials available to contractors if needed.	6. Continuously, Permit Years 1-5	6. Yes/No / Not needed	4	Yes	NCDOT continues to make training materials available to contractors.
55	3.7.2.d Provide annual spill response training for facility staff who will respond to facilities that store and/or use materials that have the potential to contaminate stormwater runoff or surface waters if spilled.	7. Evaluate if an update to or additional training resources are needed.	7. Annually, Permit Year 1-5	7. Yes/No/Not needed	4	Yes	NCDOT evaluated if updates were needed to training materials resources. NCDOT evaluated training materials for Equipment Shop staff and updated the materials to include new guidance in PY4.
TS4 Operation and Maintenance Program							
57	Implement BMPs to reduce or eliminate the discharge of pollutants from high-priority areas						
57	3.7.3.b Implement BMPs to reduce or eliminate the discharge of pollutants from high-priority areas. BMPs may include capture technologies; storm drain inlet grate design to minimize the entry of pollutants into the storm sewer system; roadway sweeping; litter and debris removal; catch basin and inlet inspections and cleaning, or other appropriate practices.	1. Establish a schedule to implement BMPs requiring significant design and funding for prioritized locations.	1. Permit Year 4	1. Yes/No	4	In progress	NCDOT is establishing a schedule to implement BMPs for prioritized locations. This work is in progress and NCDOT anticipates completing the schedule in PY5.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
57	3.7.3.b Implement BMPs to reduce or eliminate the discharge of pollutants from high-priority areas. BMPs may include capture technologies; storm drain inlet grate design to minimize the entry of pollutants into the storm sewer system; roadway sweeping; litter and debris removal; catch basin and inlet inspections and cleaning, or other appropriate practices.	2. Perform road sweeping activities in selected areas	2. Continuously, Permit Years 1-5	2. Documented lane miles swept	4	17,993 lane miles swept	NCDOT Divisions 1-14 perform road sweeping activities in selected areas. NCDOT Divisions utilize both NCDOT Forces and Contractors to perform road sweeping activities. NCDOT REU maintains a Division Sweeping tracking spreadsheet on REU's server.
57	3.7.3.b Implement BMPs to reduce or eliminate the discharge of pollutants from high-priority areas. BMPs may include capture technologies; storm drain inlet grate design to minimize the entry of pollutants into the storm sewer system; roadway sweeping; litter and debris removal; catch basin and inlet inspections and cleaning, or other appropriate practices.	3. Perform litter and debris removal activities in selected areas.	3. Continuously, Permit Years 1-5	3. Yes /No (pounds of litter to be included in total amount collected)	4	Yes (11,896,200 pounds of litter collected in CY 2025)	NCDOT performed litter and debris removal activities statewide in selected areas. Total pounds collected in CY 2025 is tracked in NCDOT's LM system website and published in NCDOT's "2025 NC Interagency Litter Report: Litter Cleanup, Education/Prevention and Enforcement". The report and summary table is available to the public on NCDOT's Litter Management website. Additionally, I-77 MP collected 365,370 lbs of litter and debris in CY 2025 from their corridor (see Appendix A).
57	3.7.3.b Implement BMPs to reduce or eliminate the discharge of pollutants from high-priority areas. BMPs may include capture technologies; storm drain inlet grate design to minimize the entry of pollutants into the storm sewer system; roadway sweeping; litter and debris removal; catch basin and inlet inspections and cleaning, or other appropriate practices.	4. Initiate implementation of BMPs requiring significant design and funding for prioritized locations.	4. Continuously, Permit Years 4-5	4. Yes/No/Not needed	4	Not needed	NCDOT evaluated specific BMPs that require significant design and funding for prioritized locations and determined that these specific BMPs are not needed at this time.
57	3.7.3.b Implement BMPs to reduce or eliminate the discharge of pollutants from high-priority areas. BMPs may include capture technologies; storm drain inlet grate design to minimize the entry of pollutants into the storm sewer system; roadway sweeping; litter and debris removal; catch basin and inlet inspections	5. Implement BMPs based on an established schedule.	5. Continuously, Permit Years 4-5	5. Number of BMPs implemented	4	3 (roadway sweeping, litter and debris removal, and catch basin/inlet cleaning)	NCDOT selected BMPs (roadway sweeping, litter and debris removal, and catch basin/ inlet cleaning) to be implemented in the schedule for Divisions 1-14.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
	and cleaning, or other appropriate practices.						
58	Maintain the TS4 collection system						
58	3.7.3.c Establish, maintain, and implement specific frequencies, schedules, and standard documentation for inspection, operation, and maintenance of the TS4.	3. Update existing training on inspecting, maintaining, and documenting maintenance on the collection system including catch basins, inlets, outfalls and conveyances.	3. Permit Years 3-5	3. Yes/No/ Updates were not necessary	4	Updates not needed	NCDOT determined that updates to existing training on the inspection, maintenance, and documenting maintenance on NCDOT's collection system was not needed at this time.
58	3.7.3.c Establish, maintain, and implement specific frequencies, schedules, and standard documentation for inspection, operation, and maintenance of the TS4.	5. Integrate new practices into scheduled maintenance on the TS4 collection system on an established schedule.	4. Continuously, Permit Years 4-5	4. Yes/No/Not needed	4	Not needed	NCDOT evaluated its scheduled maintenance programs for the TS4 collection system and determined that no new practices were needed for the scheduled maintenance program.
58	3.7.3.c Establish, maintain, and implement specific frequencies, schedules, and standard documentation for inspection, operation, and maintenance of the TS4.	6. Perform unscheduled maintenance on the TS4 collection system based on maintenance needs identified after significant storm events, citizen complaints, or as identified during other operations.	6. Continuously, Permit Years 1-5	6. Yes/No	4	Yes	NCDOT Division staff perform unscheduled maintenance on the TS4 collection system based on maintenance needs identified after significant storm events, citizen complaints, or as identified during other operations. Records of unscheduled maintenance are maintained in each Division.
59	Provide operation and maintenance training						
59	3.7.3 d Train maintenance staff and contractors on stormwater awareness and pollution prevention, performing TS4 inspections, identifying and reporting issues, and maintaining the collection system including catch basins, inlets, outfalls and conveyances.	1. Train appropriate staff on stormwater awareness pollution prevention training in conjunction with the facility where staff are located.	1. Annually, Permit Years 1-5	1. Yes/No	4	Yes	Appropriate NCDOT staff are trained on stormwater awareness pollution prevention training in conjunction with the facility where staff are located. Training records are maintained on site at each NCDOT facility.
59	3.7.3 d Train maintenance staff and contractors on stormwater awareness and pollution prevention, performing TS4 inspections, identifying and reporting issues, and maintaining the collection system including catch basins, inlets, outfalls and conveyances.	2. Train appropriate staff on performing TS4 inspections, identifying and reporting issues.	2. Annually, Permit Years 1-5	2. Yes/No	4	Yes	Appropriate NCDOT staff are trained on performing TS4 inspections, identifying and reporting issues.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
59	3.7.3 d Train maintenance staff and contractors on stormwater awareness and pollution prevention, performing TS4 inspections, identifying and reporting issues, and maintaining the collection system including catch basins, inlets, outfalls and conveyances.	3. Train appropriate staff on maintaining the collection system including catch basins, inlets, outfalls and conveyances.	3. Annually, Permit Years 1-5	3. Yes/No	4	Yes	Appropriate NCDOT staff are trained on maintaining the collection system.
59	3.7.3 d Train maintenance staff and contractors on stormwater awareness and pollution prevention, performing TS4 inspections, identifying and reporting issues, and maintaining the collection system including catch basins, inlets, outfalls and conveyances.	4. Develop a procedure to implement training requirements for applicable contractor staff.	4. Permit Year 4	4. Yes/No	4	Yes	REU incorporated guidance into its TS4 O&M SOP to address the implementation of training requirements for applicable staff that perform inspection and maintenance of NCDOT's stormwater collection system.
59	3.7.3 d Train maintenance staff and contractors on stormwater awareness and pollution prevention, performing TS4 inspections, identifying and reporting issues, and maintaining the collection system including catch basins, inlets, outfalls and conveyances.	5. Implement contractor training procedures	5. Permit Year 5	5. Yes/No	5	NA	Not applicable until Permit Year 5.
59	3.7.3 d Train maintenance staff and contractors on stormwater awareness and pollution prevention, performing TS4 inspections, identifying and reporting issues, and maintaining the collection system including catch basins, inlets, outfalls and conveyances.	6. Integrate updated protocols into annual training as new protocols become available.	6. As needed	6. Yes/No/Not needed	4	Yes	New protocols were integrated into training sessions in PY4.
59	3.7.3 d Train maintenance staff and contractors on stormwater awareness and pollution prevention, performing TS4 inspections, identifying and reporting issues, and maintaining the collection system including catch basins, inlets, outfalls and conveyances.	7. Review training materials annually	7. Annually, Permit Years 1-5	7. Yes/No	4	Yes	Training materials were reviewed by HSP staff in PY4.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
59	3.7.3 d Train maintenance staff and contractors on stormwater awareness and pollution prevention, performing TS4 inspections, identifying and reporting issues, and maintaining the collection system including catch basins, inlets, outfalls and conveyances.	8. Update guidance as needed.	8. Periodically as needed	8. Need and updated/ Needed but not updated/ Not needed	4	Need and updated	Guidance was updated as part of the training sessions in PY4.
SCM Inspection and Maintenance Program							
60	Maintain an SCM Inventory						
60	3.7.4.a Maintain an SCM Inventory.	1. Maintain an SCM Inventory to include, at a minimum, the SCM location and type.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	SCM inventory maintained in SCMS (which includes SCM location and type).
60	3.7.4.a Maintain an SCM Inventory.	2. Update inventory with newly constructed SCMs as needed.	2. Continuously, Permit Years 1-5	2. Number of SCMs in inventory	4	1,549	NCDOT maintains its SCM inventory and updates its inventory by adding newly constructed SCMs and removing any SCMs taken out of service. NCDOT utilizes its web-based Stormwater Control Management System (SCMS) to track its SCM inventory.
61	Perform inspections and maintenance on SCMs						
61	3.7.4.b Inspect and maintain each SCM in accordance with appropriate operation & maintenance criteria for the device, which shall include specific frequencies, schedules, and standard documentation	1. Maintain the SCM I&M Manual, including written procedures and criteria for the inspection and maintenance of SCMs.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	SCM I&M Manual is maintained. The manual contains detailed guidance for performing inspections and maintenance operations at NCDOT SCMs.
61	3.7.4.b Inspect and maintain each SCM in accordance with appropriate operation & maintenance criteria for the device, which shall include specific frequencies, schedules, and standard documentation	2. Evaluate if the SCM I&M Manual needs to be updated.	2. Annually, Permit Years 1-5	2. Yes and updated/ Yes but not updated / Update not needed	4	Yes but not updated	NCDOT is in the process of updating its SCM I&M Manual to include I&M guidance for submerged gravel wetland (SGW) SCMs, but it is not yet complete.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
61	3.7.4.b Inspect and maintain each SCM in accordance with appropriate operation & maintenance criteria for the device, which shall include specific frequencies, schedules, and standard documentation	3. Perform inspections and maintenance on SCMs in accordance with I&M Manual.	3. Continuously, Permit Years 1-5	3. Yes/No	4	Yes	NCDOT performed inspections and maintenance on its SCMs in accordance with NCDOT's SCM I&M Manual. Inspections performed on 91.3% of subject SCMs have Level of Service (LOS) = C or better. NCDOT performed routine maintenance on SCMs as needed throughout the permit year and completed repairs on 10 SCMs that needed non-routine maintenance.
61	3.7.4.b Inspect and maintain each SCM in accordance with appropriate operation & maintenance criteria for the device, which shall include specific frequencies, schedules, and standard documentation	4. Inspect newly constructed SCMs.	4. Continuously, Permit Years 1-5	4. Number of new projects inspected	4	3	NCDOT has processes in place to inspect newly constructed SCMs. This process involves NCDOT REU Field Operations personnel entering new SCMs in NCDOT's SCMS inventory system during closeout of construction projects, which then triggers the need for inspections by appropriate Division Roadside Environmental staff. In CY 2025, there were 12 new SCMs entered into SCMS with 8 already inspected.
61	3.7.4.b Inspect and maintain each SCM in accordance with appropriate operation & maintenance criteria for the device, which shall include specific frequencies, schedules, and standard documentation	5. Track inspections and maintenance of the SCMs in the inventory.	5. Annually, Permit Years 1-5	5. Yes /No	4	Yes	NCDOT continues to track inspections and maintenance of SCMs in its inventory. NCDOT tracks I&M activities in its web-based Stormwater Control Management System (SCMS) database and D-F tracking log.
62	Provide training to staff performing SCM inspections						
62	3.7.4.c Train SCM inspection and maintenance staff and contractors on inspection, operation, and maintenance of SCMs.	1. Maintain training materials on the SCM I&M Program and how to perform and document inspections and operation.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	NCDOT maintains training materials on SCM I&M Program which includes how to perform and document inspections and maintenance operations.
62	3.7.4.c Train SCM inspection and maintenance staff and contractors on inspection, operation, and maintenance of SCMs.	2. Provide training on the SCM I&M Program and how to perform and document inspections and operation.	2. Annually, Permit Years 1-5	2. Number of staff trained	4	307	NCDOT provided training on SCM I&M Program at various workshop or individual settings.
62	3.7.4.c Train SCM inspection and maintenance staff and contractors on inspection, operation, and maintenance of SCMs.	3. Make training materials available to contractors if needed.	3. Continuously, Permit Years 1-5	3. Yes/No/Not needed	4	Yes	Training materials (e.g., NCDOT's SCM I&M Manual, Field Guide for Post-Construction Stormwater BMPs, and SCM I&M Program PowerPoint presentations) are provided to contractors, when needed.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
62	3.7.4.c Train SCM inspection and maintenance staff and contractors on inspection, operation, and maintenance of SCMs.	4. Document date of training, names of staff trained, and agenda.	4. Continuously, Permit Years 1-5	4. Number of training events	4	2	NCDOT HSP staff provided SCM inspection and maintenance program training to NCDOT staff and contractors during workshop and/or group sessions. Training included specific guidance on the inspection and documentation procedures and routine maintenance of NCDOT's SCMs. Training sessions are documented on NCDOT's training log, and include training session dates, attendees, and agenda.
Vegetation, Pesticide and Fertilizer Management							
63	Provide training to vegetation management personnel						
63	3.7.5.a Provide annual training for vegetation management personnel, and train or require equivalent training for vegetation management contractors. Training shall consist of appropriate uses and applications of pest control products (chemical agents) and shall also cover proper mowing techniques; appropriate spill response and reporting; label-specific uses, storage and handling of landscape products, tools and equipment; and the potential for water quality impacts.	1. Staff responsible for managing the application of pesticides will maintain certification by the North Carolina Department of Agriculture and Consumer Services (NCDA&CS) to include appropriate uses and applications of pest control products (chemical agents), label-specific uses, storage and handling of landscape products and the potential for water quality.	1 Continuously, Permit Years 1-5	1. Number of staff certified	4	212	NCDA&CS reports that 212 NCDOT staff members are certified.
63	3.7.5.d Maintain compliance with applicable Pesticide Applicator licensing requirements.	2. Maintain training materials to supplement certification training, as needed.	2. Continuously, Permit Years 1-5	2. Yes/No	4	Yes	Training materials have been reviewed and are in compliance with industry standards. Training materials are maintained by REU VM staff.
63	3.7.5.d Maintain compliance with applicable Pesticide Applicator licensing requirements.	3. Provide general training on pollution prevention and chemical use, storage and handling, spill response and the potential for water quality for staff involved in application of pesticides and fertilizers.	3. Annually, Permit Years 1-5	3. Number of staff trained	4	525	Training numbers: August 13, 2025 = 4 December 9, 2025 = 103 January 19-21, 2026 = 1 February 11, 2026 = 165 February 18, 2026 = 70 March 18, 2026 = 101 April 2, 2026 = 78 May 6-7, 2026 = 7 Total = 525 staff trained.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
63	3.7.5.d Maintain compliance with applicable Pesticide Applicator licensing requirements.	4. Provide training on proper mowing techniques, tools and equipment; and the potential for water quality impacts to staff performing associated duties.	4. Annually, Permit Years 1-5	4. Number of staff trained	4	16 contractor representatives trained	There are 16 mowing contractors statewide for this permit year. NCDOT Division Roadside Environmental Engineers review contract requirements including mowing techniques and provide guidance and training to mowing contractors, as appropriate.
63	3.7.5.d Maintain compliance with applicable Pesticide Applicator licensing requirements.	5. Make training materials available to contractors if needed.	5. Continuously, Permit Years 1-5	5. Yes/No/Not needed	4	Yes	NCDOT REU and Division Roadside Environmental Engineers make guidance and training materials available, as needed.
63	3.7.5.d Maintain compliance with applicable Pesticide Applicator licensing requirements.	6. Document date of training, names of staff trained, and agenda.	6. Continuously, Permit Years 1-5	6. Number of training events	4	5 training events	REU Central conducted both in-person and virtual training sessions throughout the permit year. The training session dates, attendee rosters, and session agendas are documented. REU conducted a total of 5 different training sessions in PY4. REU Central staff also participate in other training and professional development activities throughout the year.
63	3.7.5.d Maintain compliance with applicable Pesticide Applicator licensing requirements.	7. Require equivalent training for vegetation management contractors through contract language.	7. Continuously, Permit Years 2-5	7. Yes/No	4	Yes	Individual contract language and daily tailgate meetings are part of NCDOT's training program for contractors. Equivalent training for VM contractors is required via NCDOT VM contract language.
64	Implement appropriate pest control methods and practices						
64	3.7.5.b Use biological control measures as sanctioned by North Carolina Department of Agriculture & Consumer Services (NCDA&CS).	1. Continue to consult with NCDA&CS and North Carolina State University (NCSU), as needed, in selecting appropriate pest control methods and implementation practices.	1. As Needed, Permit Years 1-5	1. Yes/No/Not needed	4	Yes	NCDOT coordinates with NCDA&CS and NCSU on NCDOT's VM program. NCDOT coordinates its VM programs with various Ph.D. level researchers at NCSU. Additionally, only products approved for use by NCDA&CS are used in the Department's VM program. NCDOT also coordinates various special use permits through both NCSU and NCDA&CS.
64	3.7.5.c Utilize only EPA and/or NCDA&CS approved pesticide and fertilizer products, and apply them in accordance with the manufacturer's directions, labels, and restrictions	2. Maintain and update the NCDOT Roadside Vegetation Management Manual as new methods and practices are adopted.	2. As Needed, Permit Years 1-5	2. Yes/No/Update not needed	4	Update not needed	NCDOT's Vegetation Management manual has been reviewed and found it corresponds to current industry standard VM practices and no additional revisions are needed at this time.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
64	3.7.5.c Utilize only EPA and/or NCDA&CS approved pesticide and fertilizer products, and apply them in accordance with the manufacturer's directions, labels, and restrictions	3. Restrict pesticide and fertilizer usage to those materials approved by EPA/NCDA&CS. Pesticide and fertilizer shall be used in accordance with label restrictions.	3. Continuously, Permit Years 1-5	3. Yes/No	4	Yes	During this review period, NCDOT only used VM products that were approved by USEPA and NCDA&CS to maintain our ROW.
Vehicle and Equipment Maintenance Program							
65	Conduct inspections and preventative maintenance on vehicles and equipment						
65	3.7.6.a Perform routine inspections of facilities, vehicles, and equipment, and establish specific frequencies, schedules, and documentation for inspections, and re-inspections when issues are identified.	2. Maintain procedures to inspect active vehicles and equipment in NCDOT's fleet for maintenance needs.	2. Continuously, Permit Years 2-5	2. Yes/No	4	Yes	NCDOT maintains procedures for inspecting active vehicles and equipment in NCDOT's fleet for maintenance needs. NCDOT State Maintenance and Division Equipment Units track all inspections and maintenance performed on NCDOT vehicles and equipment.
65	3.7.6.a Perform routine inspections of facilities, vehicles, and equipment, and establish specific frequencies, schedules, and documentation for inspections, and re-inspections when issues are identified.	4. Establish facility inspection frequencies and practices if not already included in SPPPs under Paragraph 3.7.1.	4. Continuously, Permit Years 1-5	4. Yes/No / All facilities covered under 3.7.1.	4	Yes	NCDOT has established facility inspection frequencies and practices.
65	3.7.6.a Perform routine inspections of facilities, vehicles, and equipment, and establish specific frequencies, schedules, and documentation for inspections, and re-inspections when issues are identified.	5. Provide preventative maintenance on active vehicles and equipment in NCDOT's fleet.	5. Continuously, Permit Years 1-5	5. Yes/No	4	Yes	NCDOT provides preventative maintenance on active vehicles and equipment in NCDOT's fleet.
66	Provide training to staff maintaining vehicles and equipment						
66	3.7.6.b Provide annual staff training for facility staff on general stormwater awareness, implementing pollution prevention and good housekeeping practices, spill response, preventative maintenance, and identifying and reporting illicit discharges and illegal dumping.	1. Perform training on general stormwater awareness, implementing pollution prevention, good housekeeping practices and spill response in conjunction with training for facility staff.	1. Continuously, Permit Years 2-5	1. Yes/No	4	Yes	Training on general stormwater awareness, implementing pollution prevention, good housekeeping practices and spill response is performed in conjunction with training for facility staff.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
66	3.7.6.b Provide annual staff training for facility staff on general stormwater awareness, implementing pollution prevention and good housekeeping practices, spill response, preventative maintenance, and identifying and reporting illicit discharges and illegal dumping.	2. Perform training on identifying and reporting illicit discharges and illegal dumping in conjunction with training for facility staff.	2. Continuously, Permit Years 2-5	2. Yes/No	4	Yes	Training on identifying and reporting illicit discharges and illegal dumping is performed in conjunction with training for facility staff.
66	3.7.6.b Provide annual staff training for facility staff on general stormwater awareness, implementing pollution prevention and good housekeeping practices, spill response, preventative maintenance, and identifying and reporting illicit discharges and illegal dumping.	3. Perform training on preventative maintenance.	3. Continuously, Permit Years 2-5	3. Yes/No	4	Yes	Training on preventative maintenance is performed in conjunction with training for facility staff.
66	3.7.6.b Provide annual staff training for facility staff on general stormwater awareness, implementing pollution prevention and good housekeeping practices, spill response, preventative maintenance, and identifying and reporting illicit discharges and illegal dumping.	4. Maintain training materials.	4. Continuously, Permit Years 2-5	4. Yes/No	4	Yes	"Train the trainer" and staff training materials are maintained and available to NCDOT trainers/personnel. NCDOT site-specific SPPP/SPCC Plans and SPPP videos are used for training at facilities. NCDOT's IRMA BMP Guidance Manual is available to NCDOT trainers. Posters, guidance documents, and various training PPTs are also provided to trainers. These training materials include general stormwater awareness, pollution prevention and good housekeeping practices, spill response, preventative maintenance, and identifying and reporting illicit discharges and illegal dumping. Equipment Shop Training Materials were updated in PY4 for Equipment Shop Supervisor Training Workshops conducted in PY4.
Litter Management Program							
67	Continue to implement litter management programs						
67	3.7.7.a Continue to implement litter management programs to collect litter and debris and minimize discharges to surface waters.	1. Use NCDOT Forces to collect litter/debris.	1. Continuously, Permit Years 1-5	1. Document quantity of litter/debris collected	4	1,117,740 pounds of litter/debris collected by NCDOT Forces	NCDOT continues to utilize NCDOT Forces to collect litter from NC roadways, which includes litter collections during NCDOT's semi-annual Litter Sweep events. NCDOT tracks specific quantities of litter collections by groups via online Pickup Reports and maintains this data on its LM website.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
67	3.7.7.a Continue to implement litter management programs to collect litter and debris and minimize discharges to surface waters.	2. Use Contract Litter Removal services to collect litter/debris.	2. Continuously, Permit Years 1-5	2. Document quantity of litter/debris collected	4	8,741,475 pounds of litter/debris collected by NCDOT Contractors	NCDOT continues to use Contract Litter Removal as a critical component of its Litter Management program for collecting litter/debris from NC roadways. NCDOT tracks specific quantities of litter collections by groups via online Pickup Reports and maintains this data on its LM website.
67	3.7.7.a Continue to implement litter management programs to collect litter and debris and minimize discharges to surface waters.	3. Continue Adopt-A-Highway Program.	3. Continuously, Permit Years 1-5	3. Document quantity of litter/debris collected	4	1,020,480 pounds of litter/debris collected by AAH volunteers	NCDOT continues to operate its Adopt-A-Highway (AAH) program for litter collection along NC roadways. Details of NCDOT's AAH program and instructions for volunteers are available at https://www.ncdot.gov/initiatives-policies/environmental/adoptahighway/Pages/default.aspx. NCDOT tracks specific quantities of litter collections by groups via online Pickup Reports and maintains this data on its LM website.
67	3.7.7.a Continue to implement litter management programs to collect litter and debris and minimize discharges to surface waters.	4. Continue Sponsor-A-Highway Program.	4. Continuously, Permit Years 1-5	4. Document quantity of litter/debris collected	4	891,195 pounds of litter/debris collected by SAH program	NCDOT continues to maintain its Sponsor-A-Highway (SAH) program. In CY 2025, NCDOT's SAH program recovered 891,195 pounds of litter and debris from NCDOT ROW.
67	3.7.7.a Continue to implement litter management programs to collect litter and debris and minimize discharges to surface waters.	5. Continue Swat-A-Litterbug Program.	5. Continuously, Permit Years 1-5	5. Number of Swat-A-Litterbug reports mailed out	4	4,385 reports mailed out	NCDOT continues to operate its Swat-A-Litterbug program which includes mailing out notices to individuals reported using NCDOT's Swat-A-Litterbug reporting mechanisms. NCDOT LM maintains a count of reports mailed out.
67	3.7.7.a Continue to implement litter management programs to collect litter and debris and minimize discharges to surface waters.	6. Dispose of litter collected through litter management programs.	6. Continuously, Permit Years 1-5	6. Quantity of total litter/debris collected	4	11,896,200 pounds of litter/debris collected for all NCDOT LM programs	NCDOT continues to implement LM programs to collect litter and debris and minimize discharges to surface waters. This includes NCDOT's CLR, AAH, and SAH programs, as well as use of NCDOT Forces. In addition to these LM programs, NCDOT tracks Other Volunteers (who collected 125,310 pounds of litter/debris). NCDOT tracks specific quantities of litter collections by groups via online Pickup Reports and maintains this data on its LM website.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
68	Establish routine litter inspections and removal						
68	3.7.7.b Establish and implement standard processes and documentation for routine litter inspections and removal, performed at a minimum of quarterly, and including identification of high priority areas that will receive more frequent inspections, removal and/or BMPs.	3. Implement standard processes and documentation for routine litter inspections and removal, performed at a minimum of quarterly.	3. Continuously, Permit Years 1-5	3. Document quantity of litter/debris collected	4	10,653,150 pounds	NCDOT continues to implement its standard processes and documentation procedures for routine litter inspections and removal. In CY 2025, NCDOT's Contract Litter Removal (CLR) program removed 8,741,475 pounds of litter, Adopt-A-Highway (AAH) program removed 1,020,480 pounds of litter, and Sponsor-A-Highway (SAH) program removed 891,195 pounds of litter. These programs performed at least quarterly removals. NCDOT Forces and Other Volunteers removed additional quantities of litter on other frequencies.
68	3.7.7.c Utilize TS4 mapping efforts to support decisions on identification of high priority areas and implementation of BMPs to prevent the discharge of litter to surface waters.	4. Coordinate with NCDOT Division Staff to identify high priority areas where litter and debris may enter surface waters.	4. Continuously, Permit Years 1-5	4. Yes/No	4	Yes	NCDOT Division staff continue to prioritize areas where litter and debris collection is needed when directing contractor litter removal, which includes using Primary Routes, high ADT areas, historic litter/debris problem areas, and other factors unique to each Division. HSP staff continues to coordinate with Division staff to discuss identifying high priority areas where litter and debris may enter surface waters. This includes an annual briefing at REU Symposium in December 2025 and meetings with other Division staff throughout PY4.
68	3.7.7.c Utilize TS4 mapping efforts to support decisions on identification of high priority areas and implementation of BMPs to prevent the discharge of litter to surface waters.	5. Utilize TS4 mapping efforts to support decisions on identification of high priority areas and implementation of BMPs to prevent the discharge of litter to surface waters.	5. Permit Year 5	5. Yes/No	5	NA	Not applicable until Permit Year 5.
68	3.7.7.c Utilize TS4 mapping efforts to support decisions on identification of high priority areas and implementation of BMPs to prevent the discharge of litter to surface waters.	6. Implement more frequent inspections and litter removal in high priority areas.	6. On established schedule, Permit Years 4-5	6. Yes/No	4	Yes	NCDOT performs more frequent litter inspections and removal in identified areas that have excessive litter.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
69	Implement BMPs to reduce or eliminate the discharge of litter and debris from high priority areas						
69	3.7.7.d Implement BMPs to reduce or eliminate the discharge of litter and debris from high priority areas. BMPs may include capture technologies; storm drain inlet grate design to minimize the entry of litter and debris into the storm sewer system; litter and debris removal; catch basin and inlet inspections and cleaning, or other appropriate practices.	2. Perform road sweeping activities in selected areas.	2. Continuously, Permit Years 2-5	2. Document lane miles swept	4	17,993 lane miles swept	NCDOT performed roadway sweeping statewide in PY4, utilizing both NCDOT Forces and contractors.
69	3.7.7.d Implement BMPs to reduce or eliminate the discharge of litter and debris from high priority areas. BMPs may include capture technologies; storm drain inlet grate design to minimize the entry of litter and debris into the storm sewer system; litter and debris removal; catch basin and inlet inspections and cleaning, or other appropriate practices.	3. Perform litter and debris removal activities in prioritized areas.	3. Continuously, Permit Years 1-5	3. Yes /No (volume of litter to be included in total amount collected)	4	Yes (11,896,200 lbs)	NCDOT continues to perform litter and debris removal activities in prioritized areas. NCDOT LM and Division Litter Managers evaluate the prioritized areas each year for litter and debris collections for its various anti-litter programs. The total litter collected in CY 2025 was 11,896,200 pounds. Additionally, I-77 MP collected 365,370 lbs of litter and debris in CY 2025 from their corridor (see Appendix A).
69	3.7.7.d Implement BMPs to reduce or eliminate the discharge of litter and debris from high priority areas. BMPs may include capture technologies; storm drain inlet grate design to minimize the entry of litter and debris into the storm sewer system; litter and debris removal; catch basin and inlet inspections and cleaning, or other appropriate practices.	4 Initiate implementation of BMPs requiring significant design and funding for prioritized locations.	4. Continuously, Permit Years 4-5	4. Number of BMPs implemented	4	2	NCDOT implemented BMPs (i.e., increased litter removal and street sweeping); these BMPs require increases in funding for increasing implementation in the identified areas.
69	3.7.7.d Implement BMPs to reduce or eliminate the discharge of litter and debris from high priority areas. BMPs may include capture technologies; storm drain inlet grate design to minimize the entry of litter and debris into the storm sewer system; litter and debris removal; catch basin and inlet inspections and cleaning, or other appropriate practices.	5. Implement BMPs based on an established schedule.	5. Continuously, Permit Years 4- 5	5. Yes/No	4	Yes	BMPs are implemented based on specific schedules outlined in Division contracts and/or in specific time periods as directed by NCDOT management.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
Fecal Coliform Reduction Program							
70	Maintain a pet waste management measure						
70	3.7.8.a Maintain NCDOT's pet waste management measures at Rest Areas/Welcome Centers and Ferry Terminals.	1. Post signage and make available pet waste disposal kiosks at Rest Areas/ Welcome Centers and Ferry Terminals.	1. Continuously, Permit Years 1-5	1. Number of pet waste stations	4	155	NCDOT posts signage and makes available pet waste disposal kiosks at its Rest Areas/ Welcome Centers and Ferry Terminals. NCDOT maintains 155 pet waste stations across the State at these locations. NCDOT staff and contractors inspect the pet waste stations regularly to make sure the signage is legible and pet waste disposal kiosks are functional.
70	3.7.8.a Maintain NCDOT's pet waste management measures at Rest Areas/Welcome Centers and Ferry Terminals.	2. Provide public education materials about the impact of pet waste to water quality at Rest Areas/Welcome Centers and Ferry Terminals.	2. Continuously, Permit Years 1-5	2. Yes/No	4	Yes	NCDOT posts signage and makes available pet waste disposal kiosks at its Rest Areas/ Welcome Centers and Ferry Terminals. NCDOT maintains 155 pet waste stations across the State at these locations. NCDOT staff and contractors inspect the pet waste stations regularly to make sure the signage is legible and pet waste disposal kiosks are functional.
71	Connect sanitary discharges to POTWs						
71	3.7.8.b Connect on-site septic systems at NCDOT non-roadway facilities to publicly owned treatment works (POTWs) where feasible; or properly operate and maintain the on-site septic system.	1. Operate and maintain on-site domestic wastewater treatment systems in accordance with manufacturer's and State guidance.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	NCDOT operates and maintains on-site domestic wastewater treatment systems in accordance with manufacturer's and State guidance.
71	3.7.8.b Connect on-site septic systems at NCDOT non-roadway facilities to publicly owned treatment works (POTWs) where feasible; or properly operate and maintain the on-site septic system.	2. Connect existing on-site domestic wastewater treatment systems to a POTW when available.	2. Annually, Permit Years 1-5	2. Yes/No	4	Yes	NCDOT connects existing on-site domestic wastewater treatment systems to a POTW when available. No new connections are being reported in PY4.
71	3.7.8.b Proper operation and maintenance for septic systems shall include staff training on general stormwater awareness, impacts of fecal coliform in receiving waters, and how to properly operate and maintain the septic system.	3. Perform training on general stormwater awareness and impacts of fecal coliform in receiving waters in conjunction with training for facility staff.	3. Continuously, Permit Years 1-5	3. Yes/No	4	Yes	NCDOT HSP staff coordinated with Division ORC Staff in Divisions 11 and 14 to make sure staff are trained. NCDOT HSP staff provided training to Division staff during SPPP implementation training sessions, which included general stormwater awareness and water quality impacts from septic waste discharges, illicit discharges and illegal dumping, and other potential stormwater pollutants.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
71	3.7.8.b Proper operation and maintenance for septic systems shall include staff training on general stormwater awareness, impacts of fecal coliform in receiving waters, and how to properly operate and maintain the septic system.	5. Provide training for appropriate staff on how to properly operate and maintain the septic system.	5. Continuously, Permit Years 3-5	5. Yes/No	4	Yes	Training was provided to Division staff that operate and maintain on-site septic systems.
Total Maximum Daily Load Program							
72	Track EPA-approved TMDLs						
72	1. Track EPA-approved TMDLs.	1. Maintain a TMDL Tracking Database to track TMDLs that have been issued.	1. Continuously, Permit Years 1-5	1. Updated/Not updated/ Update not needed since no new TMDLs were issued	4	Updated	NCDOT updated its TMDL Tracking Database to reflect the draft Rocky River TMDL issued in PY4 in February 2026.
73	Address TMDLs where NCDOT is named as a significant contributor and is assigned a unique WLA						
73	3.8.1 For EPA-approved TMDLs that specifically name the Permittee as a significant contributor and assigns a unique WLA to the Permittee that is separate from other sources, develop and implement water quality improvement strategies.	1. Track the number and status of TMDLs where NCDOT is named as a significant contributor and a unique WLA is assigned to NCDOT.	1. Annually, Permit Years 1-5	1. Number of applicable TMDLs	4	2	Hills Bay Embayment (White Oak River), 20-(18)c4 and Boathouse Creek, 20-31 have been identified as the two EPA approved TMDLs which name NCDOT as a significant contributor of the pollutant of concern and assign the Department a unique WLA. These TMDLs are included in the report for the Southeast White Oak River Embayments. In 2022 EPA approved TMDLs for Turkey Ck and Virginia Ck in Carteret Co. These TMDLs did assign NCDOT a unique WLA but did not label NCDOT as a significant contributor. NCDOT agrees with this assessment as the Department's WLA is a very small fraction of the total TMDL and is also a small fraction of the Margin of Safety. So, these two 2022 TMDLs were not deemed falling under section 3.8.1 of the permit.
73	3.8.1 For EPA-approved TMDLs that specifically name the Permittee as a significant contributor and assigns a unique WLA to the Permittee that is separate from other sources, develop and implement water quality improvement strategies.	2. Develop a site-specific water quality improvement strategy.	2. As needed, Permit Years 1-5	2. Number of new site-specific strategies developed within permit year/ New strategy in development/ Provisions for 3.8.1 were not triggered	4	No applicable TMDLs issued	There were no new EPA approved TMDLs issued in PY4 which identified NCDOT as a significant contributor nor assigned a WLA. Provisions for 3.8.1 were not triggered.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
73	3.8.1 For EPA-approved TMDLs that specifically name the Permittee as a significant contributor and assigns a unique WLA to the Permittee that is separate from other sources, develop and implement water quality improvement strategies.	3. Describe implemented improvement strategies in the annual report. Implement actions described in site-specific water quality improvement strategies	3. Annually, Permit Years 1-5	3. Number of site-specific improvement strategies under which implementation activities took place	4	0	There were no TMDLs approved by EPA during this reporting period which trigger the development of site-specific improvement strategies.
74	Address TMDLs where NCDOT is not assigned a unique WLA						
74	3.8.2 For approved TMDLs that have no EPA-approved WLA which specifically assigns a unique WLA to the Permittee, evaluate strategies and tailor and/or expand BMPs within the scope of this permit to reduce the TMDL pollutant(s) of concern in the named watershed(s) to the maximum extent practicable (MEP).	1. For new projects, evaluate implementation of the BMP Toolbox and other design guidance tools to address water quality pollutants of concern to the MEP.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	For new projects NCDOT implements its PCSP which defines implementation of the BMP Toolbox and other design guidance tools. Per permit requirement 3.6.2c NCDOT reviews its BMP Toolbox and other design guidance tools as needed.
74	3.8.2 For approved TMDLs that have no EPA-approved WLA which specifically assigns a unique WLA to the Permittee, evaluate strategies and tailor and/or expand BMPs within the scope of this permit to reduce the TMDL pollutant(s) of concern in the named watershed(s) to the maximum extent practicable (MEP). (BMP 56-58)	2. To address existing assets, develop procedures to apply protocols for identifying high priority areas under the TS4 Operation and Maintenance Program to TMDL watersheds.	2. Permit Year 4	2. Yes/No	4	Yes	Procedures and protocols for identifying high priority areas are described in the TMDL Program SOP and the "3.8.2_Checklist" evaluation procedure.
74	3.8.2 For approved TMDLs that have no EPA-approved WLA which specifically assigns a unique WLA to the Permittee, evaluate strategies and tailor and/or expand BMPs within the scope of this permit to reduce the TMDL pollutant(s) of concern in the named watershed(s) to the maximum extent practicable (MEP).	3. Develop protocols for selecting BMPs to address high priority areas in TMDL watersheds, including prioritizing specific areas with highest potential impacts.	3. Permit Year 4	3. Yes/No	4	Yes	The protocols for selecting BMPs to address high priority areas in TMDL watersheds, including prioritizing specific areas with highest potential impacts, are incorporated into NCDOT's "3.8.2_Checklist" and the TMDL Program SOP.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
74	3.8.2 For approved TMDLs that have no EPA-approved WLA which specifically assigns a unique WLA to the Permittee, evaluate strategies and tailor and/or expand BMPs within the scope of this permit to reduce the TMDL pollutant(s) of concern in the named watershed(s) to the maximum extent practicable (MEP).	4. Develop training on standard protocols for identifying and addressing high priority areas in TMDL watersheds.	4. Permit Year 4	4. Yes/No	4	Yes	NCDOT developed training materials on standard protocols for identifying and addressing high priority areas in TMDL watersheds.
74	3.8.2 For approved TMDLs that have no EPA-approved WLA which specifically assigns a unique WLA to the Permittee, evaluate strategies and tailor and/or expand BMPs within the scope of this permit to reduce the TMDL pollutant(s) of concern in the named watershed(s) to the maximum extent practicable (MEP).	5. Utilize TS4 mapping efforts to support decisions on identification of high priority areas and implementation of BMPs to prevent the discharge of litter to surface waters.	5. Permit Year 5	5. Yes/No	5	NA	Not applicable until Permit Year 5.
75	Describe any strategies and tailored and/or expanded measures						
75	3.8.3 Describe any strategies and tailored and/or expanded measures in the TS4SMP.	1. Strategies implemented within the reporting period are described in the annual report.	1. Annually, Permit Years 1-5	1. Yes/No	4	Yes	Strategies implemented in PY4 are described in the annual report.
Research Program							
76	Facilitate Research						
76	3.9.1 Implement a Research Program to facilitate research to enhance or improve existing practices or develop new methods or processes to meet TS4 permit requirements.	1. Maintain a Research Plan addressing research needs for the permit requirements.	1. Continuously, Permit Years 1-5	1. Yes/No	4	Yes	NCDOT updated its Research Plan in PY4. The Research Plan is maintained on HSP SharePoint site.
76	3.9.1 Implement a Research Program to facilitate research to enhance or improve existing practices or develop new methods or processes to meet TS4 permit requirements.	2. Assess needs and identify potential research projects.	2. Annually, Permit Years 1-5	2. Yes/No	4	Yes	Internal due date is dependent on NCDOT Research & Development (R&D) Unit and varies each year. HSP staff assessed needs, identified potential research projects, and submitted research ideas.

Program Area BMPs, Measurable Goals, Schedule for Implementation, and Annual Reporting Metrics							
BMP No.	Permit Reference and Description of BMP	Measurable Goal(s)	Schedule for Implementation	Annual Reporting Metric	Permit Year	Annual Reporting Metric Output	Reporting Comment
76	3.9.1 Implement a Research Program to facilitate research to enhance or improve existing practices or develop new methods or processes to meet TS4 permit requirements.	3. Evaluate the Research Plan to determine if updates are needed.	3. Annually, Permit Years 1-5	3. Yes/No	4	Yes	NCDOT conducted evaluation and updated Research Plan in PY4.
76	3.9.1 Implement a Research Program to facilitate research to enhance or improve existing practices or develop new methods or processes to meet TS4 permit requirements.	4. Update the Research Plan	4. As needed	4. Needed and updated / Needed and not updated / Not needed	4	Needed and Updated	NCDOT updated the Research Plan in PY4.
77	Conduct Research						
77	3.9.2 Conduct research with faculty and staff at state universities or other independent institutions that result in impartial quantitative assessment of stormwater from NCDOT permitted activities and/or measure structural BMP effectiveness	1. Perform or sponsor research in accordance with Research Plan.	1. Continuously, Permit Years 1-5	1. Number of active research projects related to the permit	4	6	NCDOT HU has 3 active HSP research projects and REU has 3 active HSP projects; for a total of 6 HSP-related research projects. NCDOT HSP staff perform research projects in accordance with its Research Plan. Active research projects are tracked and maintained on NCDOT's R&D portal.
77	3.9.2 Conduct research with faculty and staff at state universities or other independent institutions that result in impartial quantitative assessment of stormwater from NCDOT permitted activities and/or measure structural BMP effectiveness	2. Complete the Research and Development Close Out Implementation Plan form for NCDOT's Research and Development Program.	2. As needed, Permit Years 1-5	2. Yes, form completed / Form not completed / No new research completed this year	4	Yes, form completed	In PY4, NCDOT completed the Research and Development Close Out Implementation Plan form for the appropriate research projects that closed.

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3.0 Falls and Jordan Lake GREEN Programs

Jordan Lake Rules:
15A North Carolina Administration Code
02B .0262-.0273, .0311, and
NC Session Laws 2009-216, 2009-484

Falls Lake Rules:
15A NCAC 02B .0275—.0282

Rule Requirements

The following nutrient requirements apply within the Jordan and Falls Lake Watersheds:

1. **Outfall Identification**. Identify NCDOT stormwater outfalls from Interstate, US, and NC primary routes.
2. Illegal Discharges. Identify and eliminate illegal discharges into the NCDOT's stormwater conveyance system.
3. **Nutrient Education Program**. Implement a Nutrient Management Education Program for NCDOT staff and contractors engaged in the application of fertilizers on highway ROW.
4. **Riparian Buffer Protection**. Meet riparian buffer and diffuse flow requirements on new and widening road projects.
5. Nutrient Targets on Non-Road Development. Achieve sub-watershed specific nutrient reduction targets on new non-road development projects using the NCDOT Jordan Lake Stormwater Nutrient Loading Accounting Tool (NCDOT-JLSLAT) or through another calculation method that is acceptable to NCDWR.
6. **Plan to Offset Nutrients from Baseline to Program Implementation**. Provide an estimate of, and plans for offsetting, nutrient load increases from lands developed subsequent to the baseline period but prior to implementation of the new development program (stayed in the Jordan Lake Watershed).
7. Nutrient Removal Retrofits. Implement six stormwater retrofit BMPs per year in the Falls Lake watershed to reduce nutrient loads until NCDOT's existing development load reduction requirements are achieved, or the lake's designated uses are restored (Falls Lake Watershed only).

Program Overview

The NC Environmental Management Commission (EMC) adopted permanent nutrient management rules for Jordan Lake and Falls Lake which became effective in 2009 and 2011, respectively. In response, NCDOT initiated the Guided Reduction of Excess Environmental Nutrients (GREEN) Program to integrate and enhance NCDOT's stormwater and nutrient management practices and to support NCDOT's compliance with the Jordan and Falls Lake Rules.

The Jordan Lake GREEN Program outlines the Department's approach to managing nutrients from new development, including new and widened roads and new non-road developments. The EMC approved the Jordan Lake GREEN Program on November 8, 2012. The Rules also include retrofit requirements to reduce nutrient loads from existing NCDOT development; however, various Session Laws have delayed this requirement.

The Falls Lake GREEN Program addresses the Department's approach to managing nutrients from new and existing developments consisting of new and widened roads, new non-road development, and existing road and non-road development. The EMC approved the Falls Lake GREEN Program on January 9, 2014. Among other things, these regulations require NCDOT to implement new training for staff and contractors, calculate nutrient loads resulting from projects and devise controls to reduce the increased loads.

Accomplishments

1. Outfall Identification

In previous years NCDOT completed field outfall identification within the Falls and Jordan watershed from open channel and pipe stormwater conveyances. During PY4, NCDOT worked on its TS4 mapping project within the City limits of Durham and Greensboro; mapping includes updating inlets and catch basins, open and closed conveyances, connectivity and flow direction, and outfalls.

2. Illegal Discharges

During PY4, NCDOT maintained and implemented a written IDDE Plan to detect and address illicit discharges, illegal dumping and any non-stormwater discharges identified as significant contributors of pollutants to the TS4. NCDOT staff and contractors working within the NCDOT ROW report incidences of observed illegal discharges and NCDOT staff follow up for verification, reporting and resolution. NCDOT utilizes an IDDEP Field Report for use by Division staff to make sure that the data needed to follow up on the illicit discharge is obtained.

NCDOT held its state-wide Litter Sweep Program during the last two weeks of September and April. Residents throughout the state participate in local efforts to help clean up North Carolina's roadways. To support this effort, NCDOT maintenance crews devote one week of their time to pick up litter and collect orange bags placed on the roadsides by volunteers. The 2025 Interagency Litter Report summarizes the State's litter cleanup, education-prevention and enforcement efforts.

Also, NCDOT continues to provide material support to the Clean Jordan Lake organization for their litter collection events for Jordan Lake.

3. Nutrient Education Program

NCDOT provides annual training for Vegetation Management personnel, and trains or requires equivalent training for Vegetation Management contractors. Training includes the following topics:

- Appropriate application of fertilizer and pest control products;
- Proper mowing techniques;
- Storage and handling of landscape material, including fertilizer and pest control products; and
- Avoiding water quality impacts associated with vegetation management.

4. Riparian Buffer Protection

NCDOT complies with all aspects of the Riparian Buffer Protection Rules on its transportation projects, and has created the following posters to support designers in compliance with both the buffer rules and NCDOT's PSCP:

1. Maximizing Shoulder Section
2. Adequate Energy Dissipation
3. Utilizing Natural Features and Drainage Pathways
4. Maximizing Vegetative Conveyances

5. Nutrient Targets on Non-Road Development

In PY4, NCDOT did not complete any new non-road projects in the Jordan Lake or Falls Lake watersheds that would be subject to NSW rules. However, NCDOT has emphasized proper inspection and maintenance of the existing SCMs on projects in the Jordan Lake and Falls Lake Watersheds (as well as state-wide). NCDOT uses its SCMS database to track inspection and maintenance of SCMs statewide, including those located within the Jordan Lake and Falls Lake watersheds. NCDOT Division Roadside Environmental Engineers maintain SCMs in the Jordan and Falls Lake watersheds. In PY4, NCDOT has 83 SCMs within the Falls Lake watershed and 42 SCMs within the Jordan Lake watershed. Of these SCMs, 11 SCMs in the Falls Lake watershed and four SCMs in the Jordan Lake watershed are scheduled to undergo repairs, respectively.

For both road and non-road projects, NCDOT's SCM I&M Manual provides guidance to NCDOT staff that are involved in caring for SCMs. In addition, NCDOT utilizes a PCSP Poster to inform Division offices of the need to work with NCDOT's Hydraulics Unit to create a Stormwater Management Plan.

6. Plan to Offset Nutrients from Baseline to Program Implementation

Nutrient Scientific Advisory Board – NCDOT continues to participate in the Nutrient Science Advisory Board (NSAB). The NSAB functions primarily as an advisory group to assist and guide NCDEQ with effective implementation of nutrient management strategies for developed areas as they relate to the Existing Development rule. The NSAB helps the agency identify management strategies that reduce nutrient loading from existing development, evaluate management strategies, develop an accounting system, and identify improvements or refinements needed to modeling and other analytical tools.

Jordan Lake One Water – NCDOT continues to participate with Jordan Lake One Water (JLOW), which is a partnership to facilitate cooperation and integrated water resource management in the Jordan Lake watershed. The group is comprised of local governments, state government, conservation groups, universities, water utilities, agriculture, and private industry stakeholders interested in sharing the cost of water quality and quantity improvements in order to realize watershed-wide social, economic, and environmental benefits. JLOW activities are presently being coordinated with the assistance of the Central Pines Regional Council. In PY4, NCDOT continued to participate with the JLOW Rules Working Group to develop Jordan Lake nutrient management strategy rule concepts and language, in partnership with NCDEQ, to allow for JLOW activities to support compliance with future Jordan Lake rule requirements.

GREEN Training – NCDOT continues to offer its online training video entitled 'NCDOT JLSLAT Intro to GREEN Program,' to support staff and contractors when using the NCDOT nutrient accounting tool, NCDOT-JLSLAT, on new non-road development projects. These videos are available on the NCDOT YouTube channel.

7. Nutrient Removal Retrofits (Falls Lake only)

Falls Lake – In this permit year NCDOT continues to inspect and maintain SCMs within the Falls Lake watershed. NCDOT HSP staff continue to participate with the Upper Neuse River Basin Association (UNRBA) in PY4 and to coordinate with NCDWR on the Falls Lake rules readoption.

Considerations for Term V Permit Year 5

NCDOT will continue to implement the Department's GREEN Program and achieve requirements set forth for new and existing (Falls GREEN, only) road and non-road development in the Jordan Lake and Falls Lake watersheds. In PY5, NCDOT will continue coordination with Division 5 staff to implement roadside stabilization at identified potential sites within the Falls Lake watershed. NCDOT will continue to partner with NCDEQ on nutrient reduction strategies and to engage staff and contractors on nutrient-related requirements and watershed goals through educational tools and training opportunities.

Appendix A

I-77 Mobility Partners Stormwater Management Program Report

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Stormwater System Report

Date of Report:	Scope of Report:	Area(s) Reported:
July 1, 2025 – June 30, 2026	I-77 Mobility Partners Stormwater Management Program	I-77 Mobility Partners Facility Stormwater System & I-77 Corridor

I Report

Section 1 – Overview/Summary

In accordance with I-77 Mobility Partners Stormwater Management Program and in compliance with the Comprehensive Agreement, I-77 Mobility Partners herein provides its annual report under NCDOT's NPDES permit. This report is for a 26-mile portion of the I-77 corridor and an approximately one-third mile portion of I-277 in the City of Charlotte, and in Mecklenburg and Iredell Counties, North Carolina. From MM 11 to MM 37 on I-77 both northbound and southbound. In addition, this report includes Administration & Maintenance building (Facility) which became operational on November 1, 2018, located at:

8015 W. WT Harris Blvd.
Charlotte, NC 28216

Section 2 - Illicit Discharge Detection and Elimination Plan (IDDEP)

No illicit charges were detected, and no dumping occurred during the report period July 1, 2025, to June 30, 2026.

IDDEP Training for the I-77 team has successfully completed the IDDEP initial training. To ensure consistency and compliance, IDDEP training is reassigned on an annual basis and part of new-hire training program.

Section 3 - Post-Construction Controls

I-77 MP has inspected all the Stormwater Controls Measures (SCMs) in the Project, as shown in the table below, and they are all working as designed and meeting all requirements per the approved Stormwater Management Program (SMP) in accordance with NCDOT's NPDES permit.

Asset ID	Control ID	Location	Results of Inspection	Maintenance Required Description
HSB000001	IM-10-60-HSB-4109	77, NB, RS, MM,27.8	Passed	Continue to monitor and remove overgrown vegetation, sediment, and debris.
HSB000002	IM-10-60-HSB-3524	77, NB, RS, MM,28.5	Passed	Continue to monitor and remove overgrown vegetation, sediment, and debris.
HSB000003	IM-10-60-HSB-3525	77, SB, RS, MM,28.9	Passed	Continue to monitor and remove vegetation, sediment, and debris as needed.
HSB000004	IM-10-60-HSB-3540	77, NB, RS, MM,29.0	Passed	Continue to monitor and remove overgrown vegetation, sediment, and debris.
HSB000005	IM-10-60-HSB-3526	77, SB, RS, MM,29.3	Passed	Continue to monitor.
HSB000006	IM-10-60-HSB-3539	77, NB, RS, MM,29.3	Passed	Continue to monitor and remove vegetation, sediment, and debris as needed.
HSB000007	IM-12-49-HSB-3527	77, NB, RS, MM,30.9	Passed	Continue to monitor and remove overgrown vegetation, sediment, and debris.

HSB000008	IM-12-49-HSB-3529	77, NB, RS, MM,31.0	Passed	Continue to monitor and remove vegetation, sediment, and debris as needed.
HSB000009	IM-12-49-HSB-3530	77, NB, RS, MM,31.3	Passed	Continue to monitor and remove overgrown vegetation.
HSB000010	IM-12-49-HSB-3531	77, SB, RS, MM,31.5	Passed	Continue to monitor and remove overgrown vegetation, sediment, and debris.
HSB000011	IM-12-49-HSB-3532	77, NB, RS, MM,31.7	Passed	Continue to monitor and remove overgrown vegetation, sediment, and debris.
HSB000012	IM-12-49-HSB-3533	77, NB, RS, MM,32.1	Passed	Continue to monitor and remove overgrown vegetation, sediment, and debris.
HSB000013	IM-12-49-HSB-3534	77, NB, RS, MM,32.5	Passed	Continue to monitor and remove overgrown vegetation, sediment, and debris.
HSB000014	IM-12-49-HSB-3535	77, NB, RS, MM,32.7	Passed	Continue to monitor and remove overgrown vegetation, sediment, and debris.
HSB000015	IM-12-49-HSB-3536	77, NB, RS, MM,34.0	Passed	Continue to monitor and remove overgrown vegetation, sediment, and debris.
HSB000016	IM-12-49-HSB-3537	77, NB, RS, MM,34.5	Passed	Continue to monitor and remove overgrown vegetation, sediment, and debris.
HSB000017	IM-12-49-HSB-3538	77, SB, RS, MM,36.1	Passed	Continue to monitor and remove overgrown vegetation, sediment, and debris.
STR-00565	*Stormwater Structure not an SCM*	77, NB, RS, MM,16.9	Passed	Continue to monitor as needed.
STR-001553	IM-10-60-FB-2142 (forebay)	77, NB, RS, MM,24.5	Passed	Continue to monitor and remove overgrown vegetation, sediment, and debris.
STR-001558	IM-10-60-FB-2141 (forebay)	77, NB, RS, MM,24.5	Passed	Continue to monitor and remove overgrown vegetation, sediment, and debris.
STR-001559	IM-10-60-FB-2141 (basin)	77, NB, RS, MM,24.5	Passed	Continue to monitor and remove overgrown vegetation, sediment, and debris.
STR-001560	IM-10-60-FB-2142 (basin)	77, NB, RS, MM,24.5	Passed	Continue to monitor and remove excess sediment from the basin floor to prevent sediment clogging and improve infiltration.
STR-001704	IM-10-60-DDB-2563 (forebay)	77, SB, RS, MM,25.0	Passed	Continue to monitor and remove overgrown vegetation, sediment, and debris.
STR-001706	IM-10-60-DDB-2563 (basin)	77, SB, RS, MM,25.0	Passed	Continue to monitor and remove overgrown vegetation, sediment, and debris.
RCP-000730	IM-10-60-PSH-3334	77, NB, RS, MM,19.9	Passed	Continue to monitor as needed. Access is limited.

Section 4– Construction Program

There are no construction activities ongoing within the Project under I-77 MP responsibility. Final Completion for the Project was achieved on August 3, 2021.

Section 5– Pollution Prevention and Housekeeping

I-77 Mobility Partners is implementing the Stormwater Pollution Prevention Plan (SPPP) in accordance with NCDOT's NPDES permit for the Administration and Maintenance building (Facility). NCDOT performed an internal audit of the Administration and Maintenance building on 4/20/26 and no non-compliance issues were identified at the Facility.

Reference the summary of Annual Maintenance Work Performed (see below).

Summary of Annual Maintenance Work Performed

Element Category	Maintenance Performed	Maintenance Unit	Total Quantity between 1/01/2025 – 12/31/2025 (CY 2025)
Litter and Debris	Excessive Litter	CY	128
Litter and Debris	Debris Removal	CY	3,490
Litter and Debris	Debris Removal + Excessive Litter	Hours	5,150
Litter and Debris	Sweeping	Miles	1,044

II	Conclusion
	Overall, the I-77 Mobility Partners Stormwater Management Program is being implemented, and the Project site is being inspected and maintained following all procedures as established by NCDOT Manuals and Guidelines.

III	Point of contact person
	Health, Safety & Environmental (HSE) point of contact person from I-77 Mobility Partners: Corey Carpenter ccarpenter@i77partners.com 704-591-2356

HSE Manager: Corey Carpenter	Signature: Corey J. Carpenter	Date: 8/5/2026

Appendix B
DMRs for NCDOT Industrial Facilities

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NCDOT conducted analytical monitoring for the following industrial facilities in PY4 and copies of the completed NCDEQ Stormwater Discharge Monitoring Reports (DMRs) are provided in this Appendix B.

North Carolina Global TransPark (NCGTP)

- 1st Quarter DMR from sampling event dated 7-2-2025.
- 2nd Quarter DMR with no discharge during this period, as per NCDEQ Methodology, NCG150000, Section E-3 criteria.
- 3rd Quarter DMR from sampling event dated 2-26-2026.
- 4th Quarter DMR from sampling event dated 6-19-2026.

Creswell Asphalt Plant in Washington County

- 1st Quarter DMR with no discharge during this period, as per NCDEQ Methodology, NCG160000, Section E-3 criteria.
- 2nd Quarter DMR with no discharge during this period, as per E-3 criteria.
- 3rd Quarter DMR from sampling event dated 2-26-2026.
- 4th Quarter DMR with no discharge during this period, as per E-3 criteria.

North Carolina State Shipyard

- 1st Quarter DMR from sampling event dated 9-10-2025.
- 2nd Quarter DMR with no discharge during this period, as per NCDEQ Methodology, NCG190000, Section E-3 criteria.
- 3rd Quarter DMR from sampling event dated 2-20-2026.
- 4th Quarter DMR from sampling event dated 6-1-2026.

Raleigh Railcar & Locomotive Maintenance Facility

- 1st Quarter DMR with no discharge during this period, as per NCDEQ Methodology, NCG080000, Section E-3 criteria.
- 2nd Quarter DMR from sampling event dated 10/27/2025.
- 3rd Quarter DMR from sampling event dated 2/26/2026.
- 4th Quarter DMR from sampling event dated 6/19/2026.

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NCDEQ Division of Energy, Mineral and Land Resources

Stormwater Discharge Monitoring Report (DMR) Form for NCG150000
Airports

Click here for instructions

Complete, sign, scan and submit the DMR via the Stormwater NPDES Permit Data Monitoring Report (DMR) Upload form within 30 days of receiving sampling results. Mail the original, signed hard copy of the DMR to the appropriate DEMLR Regional Office. Mailed in DMRs must contain an original wet signature. Electronic signatures will not be accepted for mailed in DMRs. This is a requirement until the permittee has registered for eDMR for reporting.

Certificate of Coverage No. ~~NCG15~~ Permit#NCS000250 Facility Name: NCGTP Facility County: Lenoir	Person Collecting Samples: D.O'Connor, C. Sykes Laboratory Name: Pace Analytical Svcs, LLC Laboratory Cert. No.: 12
Discharge during this period: ☒ Yes ☐ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions for any benchmark exceedances? ☒ Yes ☐ No If so, which Tier (I, II, or III)? Tier I	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☒ Yes ☐ No Date Uploaded: 8/18/2025	

Part A: Analytical Monitoring Requirements for Outfalls with Industrial Activities – Benchmarks in (Red)

Parameter Code	Parameter	Outfall 001	Outfall 002	Outfall 004	Outfall 006	Outfall 007
N/A	Receiving Stream Class	C, Sw, NSW	C, Sw, NSW	C, Sw, NSW	C, Sw, NSW	C, Sw, NSW
N/A	Date Sample Collected MM/DD/YYYY	7/2/25	7/2/25	7/2/25	7/2/25	7/2/25
46529	24-Hour Rainfall in inches	1.48	1.48	1.48	1.48	1.48
00400	pH **(Freshwater: 6-9, Saltwater: 6.8-8.5)**	6.0	6.2	6.0	6.0	6.3
CO530	TSS in mg/L **(100 or 50*)**	11.5	ND	16.2	12.9	7.5
01027	Conductivity in µohms/cm	40.7	56.0	20.4	82.5	98.2
CO034	Chemical Oxygen Demand (COD) in mg/L **(120)**	47	69.7	74.3	ND	26.5
00552	Non-Polar Oil & Grease in mg/L **(15)** for drainage areas that use >55 gal/mo of new hydraulic oil on avg.	5.6	ND	ND	9.2	40
NCOIL	Estimated New Motor/Hydraulic Oil Usage in gal/month	0	0	0	35	32

* Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L.

Notes (optional):

"I certify by my signature below, 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."

Wesley A. Owens _____ 8/18/2025

Signature of Permittee or Delegated Authorized Individual **Date**

NCDEQ Division of Energy, Mineral and Land Resources

Stormwater Discharge Monitoring Report (DMR) Form for NCG150000
Airports

Click here for instructions

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Certificate of Coverage No. ~~NCG15~~ Permit#NCS000250 Facility Name: NCGTP Facility County: Lenoir	Person Collecting Samples: D.O'Connor, J.Bacic Laboratory Name: Pace Analytical Svcs, LLC Laboratory Cert. No.: 12
Discharge during this period: ☒ Yes ☐ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions for any benchmark exceedances? ☐ Yes ☒ No If so, which Tier (I, II, or III)?	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☒ Yes ☐ No Date Uploaded: 8/18/2025	

Part A: Analytical Monitoring Requirements for Outfalls with Industrial Activities – Benchmarks in (Red)

Parameter Code	Parameter	Outfall 009	Outfall 010	Outfall 011	Outfall	Outfall
N/A	Receiving Stream Class	C,Sw,NSW	C,Sw,NSW	C,Sw,NSW		
N/A	Date Sample Collected MM/DD/YYYY	7/2/25	7/2/25	7/2/25		
46529	24-Hour Rainfall in inches	1.48	1.48	1.48		
00400	pH **(Freshwater: 6-9, Saltwater: 6.8-8.5)**	6.3	6.0	6.0		
CO530	TSS in mg/L **(100 or 50*)**	ND	ND	4.0		
01027	Conductivity in µohms/cm	25.0	38.5	20.6		
CO034	Chemical Oxygen Demand (COD) in mg/L **(120)**	ND	ND	97.1		
00552	Non-Polar Oil & Grease in mg/L **(15)** for drainage areas that use >55 gal/mo of new hydraulic oil on avg.	12	ND	ND		
NCOIL	Estimated New Motor/Hydraulic Oil Usage in gal/month	0	1	0		

* Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L.

Notes (optional): SDOs 003,005,008,012 no discharge

"I certify by my signature below, 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."

Wesley A. Owens — **Signature of Permittee or Delegated Authorized Individual**

8/18/2025 — **Date**

NCDEQ Division of Energy, Mineral and Land Resources

Stormwater Discharge Monitoring Report (DMR) Form for NCG150000
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Certificate of Coverage No. ~~NCG15~~ Permit#NCS000250 Facility Name: NCGTP Facility County: Lenoir	Person Collecting Samples: Not applicable Laboratory Name: Laboratory Cert. No.:
Discharge during this period: ☐ Yes ☒ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions for any benchmark exceedances? ☐ Yes ☒ No If so, which Tier (I, II, or III)?	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☐ Yes ☒ No Date Uploaded:	

Part A: Analytical Monitoring Requirements for Outfalls with Industrial Activities – Benchmarks in (Red)

Parameter Code	Parameter	Outfall	Outfall	Outfall	Outfall	Outfall
N/A	Receiving Stream Class					
N/A	Date Sample Collected MM/DD/YYYY					
46529	24-Hour Rainfall in inches					
00400	pH **(Freshwater: 6-9, Saltwater: 6.8-8.5)**					
CO530	TSS in mg/L **(100 or 50*)**					
01027	Conductivity in µohms/cm					
CO034	Chemical Oxygen Demand (COD) in mg/L **(120)**					
00552	Non-Polar Oil & Grease in mg/L **(15)** for drainage areas that use >55 gal/mo of new hydraulic oil on avg.					
NCOIL	Estimated New Motor/Hydraulic Oil Usage in gal/month					

* Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L.

Notes (optional): SDOs 001 - 012 no discharge during this period

"I certify by my signature below, 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."

Wesley A. Owens _____ 12/31/2025

Signature of Permittee or Delegated Authorized Individual **Date**

NCDEQ Division of Energy, Mineral and Land Resources

Stormwater Discharge Monitoring Report (DMR) Form for NCG150000
Airports

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Discharge during this period: ☒ Yes ☐ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions for any benchmark exceedances? ☒ Yes ☐ No If so, which Tier (I, II, or III)? Tier I	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☒ Yes ☐ No Date Uploaded: 3/26/2026	

Part A: Analytical Monitoring Requirements for Outfalls with Industrial Activities – Benchmarks in (Red)

Parameter Code	Parameter	Outfall 001	Outfall 002	Outfall 004	Outfall 006	Outfall 007
N/A	Receiving Stream Class	C, Sw, NSW	C, Sw, NSW	C, Sw, NSW	C, Sw, NSW	C, Sw, NSW
N/A	Date Sample Collected MM/DD/YYYY	2/26/26	2/26/26	2/26/26	2/26/26	2/26/26
46529	24-Hour Rainfall in inches	0.78	0.78	0.78	0.78	0.78
00400	pH **(Freshwater: 6-9, Saltwater: 6.8-8.5)**	6.0	6.0	6.2	6.3	6.0
CO530	TSS in mg/L **(100 or 50*)**	19.6	ND	72.9	ND	3.2
01027	Conductivity in µohms/cm	127.6	97.4	93.3	114.4	65.8
CO034	Chemical Oxygen Demand (COD) in mg/L **(120)**	36.5	43.5	125	ND	31.9
00552	Non-Polar Oil & Grease in mg/L **(15)** for drainage areas that use >55 gal/mo of new hydraulic oil on avg.	ND	ND	ND	ND	ND
NCOIL	Estimated New Motor/Hydraulic Oil Usage in gal/month	0	0	0	35	32

* Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L.

Notes (optional):

"I certify by my signature below, 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."

Wesley A. Owens — 3/26/2026

Signature of Permittee or Delegated Authorized Individual — **Date**

NCDEQ Division of Energy, Mineral and Land Resources

Stormwater Discharge Monitoring Report (DMR) Form for NCG150000
Airports

Click here for instructions

Complete, sign, scan and submit the DMR via the Stormwater NPDES Permit Data Monitoring Report (DMR) Upload form within 30 days of receiving sampling results. Mail the original, signed hard copy of the DMR to the appropriate DEMLR Regional Office. Mailed in DMRs must contain an original wet signature. Electronic signatures will not be accepted for mailed in DMRs. This is a requirement until the permittee has registered for eDMR for reporting.

Certificate of Coverage No. ~~NCG15~~ Permit#NCS000250 Facility Name: NCGTP Facility County: Lenoir	Person Collecting Samples: D.O'Connor, J.Bacic Laboratory Name: Pace Analytical Svcs, LLC Laboratory Cert. No.: 12
Discharge during this period: ☒ Yes ☐ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions for any benchmark exceedances? ☐ Yes ☒ No If so, which Tier (I, II, or III)?	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☒ Yes ☐ No Date Uploaded: 3/26/2026	

Part A: Analytical Monitoring Requirements for Outfalls with Industrial Activities – Benchmarks in (Red)

Parameter Code	Parameter	Outfall 008	Outfall 010	Outfall 011	Outfall	Outfall
N/A	Receiving Stream Class	C,Sw,NSW	C,Sw,NSW	C,Sw,NSW		
N/A	Date Sample Collected MM/DD/YYYY	2/26/26	2/26/26	2/26/26		
46529	24-Hour Rainfall in inches	0.78	0.78	0.78		
00400	pH **(Freshwater: 6-9, Saltwater: 6.8-8.5)**	6.4	6.1	6.0		
CO530	TSS in mg/L **(100 or 50*)**	ND	12.4	ND		
01027	Conductivity in µohms/cm	49.6	33.6	20.5		
CO034	Chemical Oxygen Demand (COD) in mg/L **(120)**	ND	ND	78.3		
00552	Non-Polar Oil & Grease in mg/L **(15)** for drainage areas that use >55 gal/mo of new hydraulic oil on avg.	ND	ND	ND		
NCOIL	Estimated New Motor/Hydraulic Oil Usage in gal/month	0	1	0		

* Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L.

Notes (optional): SDOs 003,005,009,012 no discharge

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Wesley A. Owens
Signature of Permittee or Delegated Authorized Individual

3/26/2026
Date

NCDEQ Division of Energy, Mineral and Land Resources

Stormwater Discharge Monitoring Report (DMR) Form for NCG150000
Airports

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Certificate of Coverage No. ~~NCG15~~ Permit#NCS000250 Facility Name: NCGTP Facility County: Lenoir	Person Collecting Samples: J.Bacic Laboratory Name: Pace Analytical Svcs, LLC Laboratory Cert. No.: 12
Discharge during this period: ☒ Yes ☐ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions for any benchmark exceedances? ☒ Yes ☐ No If so, which Tier (I, II, or III)? Tier I	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☐ Yes ☒ No Date Uploaded:	

Part A: Analytical Monitoring Requirements for Outfalls with Industrial Activities – Benchmarks in (Red)

Parameter Code	Parameter	Outfall 004	Outfall 007	Outfall	Outfall	Outfall
N/A	Receiving Stream Class	C,Sw,NSW	C,Sw,NSW			
N/A	Date Sample Collected MM/DD/YYYY	6/19/26	6/19/26			
46529	24-Hour Rainfall in inches	0.78	0.78			
00400	pH **(Freshwater: 6-9, Saltwater: 6.8-8.5)**	6.7	7.2			
CO530	TSS in mg/L **(100 or 50*)**	9.7	4.9			
01027	Conductivity in µohms/cm	144.5	220			
CO034	Chemical Oxygen Demand (COD) in mg/L **(120)**	35.9	--*			
00552	Non-Polar Oil & Grease in mg/L **(15)** for drainage areas that use >55 gal/mo of new hydraulic oil on avg.	ND	ND			
NCOIL	Estimated New Motor/Hydraulic Oil Usage in gal/month	0	32			

* Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L.

Notes (optional): SDOs 001,002,003,005,006,008,009,010,011,012 no discharge

* = Lab error, therefore no COD results for Outfall 007

"I certify by my signature below, 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."

Wesley A. Owens _____ 6/30/2026

Signature of Permittee or Delegated Authorized Individual **Date**

NCDEQ Division of Energy, Mineral and Land Resources

Stormwater Discharge Monitoring Report (DMR) Form for NCG160000
Asphalt Paving Mixtures and Blocks

Click here for instructions

Complete, sign, scan and submit the DMR via the Stormwater NPDES Permit Data Monitoring Report (DMR) Upload form within 30 days of receiving sampling results. Mail the original, signed hard copy of the DMR to the appropriate DEMLR Regional Office.

Certificate of Coverage No. ~~NCG16~~ Permit #NCS000250	Person Collecting Samples: B. Harrison
Facility Name: Creswell Asphalt Plant	Laboratory Name:
Facility County: Washington	Laboratory Cert. No.:
Discharge during this period: ☐ Yes ☒ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions this sample period for any benchmark exceedances? ☒ Yes ☐ No If so, which Tier (I, II, or III)? Tier I	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☐ Yes ☒ No Date Uploaded:	

Analytical Monitoring Requirements for Outfalls with Industrial Activities – Benchmarks in (Red)

Parameter Code	Parameter	Outfall 001	Outfall 002	Outfall	Outfall	Outfall
N/A	Receiving Stream Class					
N/A	Date Sample Collected MM/DD/YYYY					
46529	24-Hour Rainfall in inches					
CO530	TSS in mg/L **(100 or 50*)**					
Additional parameters for outfalls in drainage areas that use >55 gallons per month of new hydraulic oil on average						
00552	Non-Polar Oil & Grease in mg/L **(15)**					
NCOIL	Estimated New Motor/Hydraulic Oil Usage in gal/month					

*** Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L**

Notes (optional): SDOs 001 & 002 no discharge during this period

"I certify by my signature below, 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."

Wesley A. Owens
Signature of Permittee or Delegated Authorized Individual

9/30/2025
Date

Email Address waowens1@ncdot.gov

Phone Number 919-707-2924

NCDEQ Division of Energy, Mineral and Land Resources

Stormwater Discharge Monitoring Report (DMR) Form for NCG160000
Asphalt Paving Mixtures and Blocks

Click here for instructions

Complete, sign, scan and submit the DMR via the Stormwater NPDES Permit Data Monitoring Report (DMR) Upload form within 30 days of receiving sampling results. Mail the original, signed hard copy of the DMR to the appropriate DEMLR Regional Office.

Certificate of Coverage No. ~~NCG16~~ Permit #NCS000250	Person Collecting Samples: D. Brinn
Facility Name: Creswell Asphalt Plant	Laboratory Name:
Facility County: Washington	Laboratory Cert. No.:
Discharge during this period: ☐ Yes ☑ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions this sample period for any benchmark exceedances? ☑ Yes ☐ No If so, which Tier (I, II, or III)? Tier I	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☐ Yes ☑ No Date Uploaded:	

Analytical Monitoring Requirements for Outfalls with Industrial Activities – Benchmarks in (Red)

Parameter Code	Parameter	Outfall 001	Outfall 002	Outfall	Outfall	Outfall
N/A	Receiving Stream Class					
N/A	Date Sample Collected MM/DD/YYYY					
46529	24-Hour Rainfall in inches					
CO530	TSS in mg/L **(100 or 50*)**					
Additional parameters for outfalls in drainage areas that use >55 gallons per month of new hydraulic oil on average						
00552	Non-Polar Oil & Grease in mg/L **(15)**					
NCOIL	Estimated New Motor/Hydraulic Oil Usage in gal/month					

*** Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L**

Notes (optional): SDOs 001 & 002 no discharge during this period

"I certify by my signature below, 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."

Wesley A. Owens
Signature of Permittee or Delegated Authorized Individual

12/29/2025
Date

Email Address waowens1@ncdot.gov

Phone Number 919-707-2924

NCDEQ Division of Energy, Mineral and Land Resources

Stormwater Discharge Monitoring Report (DMR) Form for NCG160000
Asphalt Paving Mixtures and Blocks

Click here for instructions

Complete, sign, scan and submit the DMR via the Stormwater NPDES Permit Data Monitoring Report (DMR) Upload form within 30 days of receiving sampling results. Mail the original, signed hard copy of the DMR to the appropriate DEMLR Regional Office.

Certificate of Coverage No. ~~NCG16~~ Permit #NCS000250	Person Collecting Samples: J. Edwards
Facility Name: Creswell Asphalt Plant	Laboratory Name: Envirochem
Facility County: Washington	Laboratory Cert. No.: 94
Discharge during this period: ☑ Yes ☐ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions this sample period for any benchmark exceedances? ☑ Yes ☐ No If so, which Tier (I, II, or III)? Tier I	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☐ Yes ☑ No Date Uploaded:	

Analytical Monitoring Requirements for Outfalls with Industrial Activities – Benchmarks in (Red)

Parameter Code	Parameter	Outfall 001	Outfall	Outfall	Outfall	Outfall
N/A	Receiving Stream Class	C, Sw	C, Sw			
N/A	Date Sample Collected MM/DD/YYYY	2/26/26	2/26/26			
46529	24-Hour Rainfall in inches	0.11	0.11			
CO530	TSS in mg/L **(100 or 50*)**	17.5	38.7			
Additional parameters for outfalls in drainage areas that use >55 gallons per month of new hydraulic oil on average						
00552	Non-Polar Oil & Grease in mg/L **(15)**	<5.00	<5.00			
NCOIL	Estimated New Motor/Hydraulic Oil Usage in gal/month	77	77			

*** Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L**

Notes (optional):

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Wesley A. Owens
Signature of Permittee or Delegated Authorized Individual

2/26/2026
Date

Email Address waowens1@ncdot.gov

Phone Number 919-707-2924

NCDEQ Division of Energy, Mineral and Land Resources

Stormwater Discharge Monitoring Report (DMR) Form for NCG160000
Asphalt Paving Mixtures and Blocks

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Certificate of Coverage No. ~~NCG16~~ Permit #NCS000250	Person Collecting Samples: D. Brinn
Facility Name: Creswell Asphalt Plant	Laboratory Name:
Facility County: Washington	Laboratory Cert. No.:
Discharge during this period: ☐ Yes ☑ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions this sample period for any benchmark exceedances? ☑ Yes ☐ No If so, which Tier (I, II, or III)? Tier I	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☐ Yes ☑ No Date Uploaded:	

Analytical Monitoring Requirements for Outfalls with Industrial Activities – Benchmarks in (Red)

Parameter Code	Parameter	Outfall 001	Outfall 002	Outfall	Outfall	Outfall
N/A	Receiving Stream Class					
N/A	Date Sample Collected MM/DD/YYYY					
46529	24-Hour Rainfall in inches					
CO530	TSS in mg/L **(100 or 50*)**					
Additional parameters for outfalls in drainage areas that use >55 gallons per month of new hydraulic oil on average						
00552	Non-Polar Oil & Grease in mg/L **(15)**					
NCOIL	Estimated New Motor/Hydraulic Oil Usage in gal/month					

*** Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L**

Notes (optional): SDOs 001 & 002 no discharge during this period

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Wesley A. Owens
Signature of Permittee or Delegated Authorized Individual

6/30/2026
Date

Email Address waowens1@ncdot.gov

Phone Number 919-707-2924

NCDEQ Division of Energy, Mineral and Land Resources

Stormwater Discharge Monitoring Report (DMR) Form for NCG190000
Marinas and Shipbuilding

Click here for instructions

Complete, sign, scan and submit the DMR via the Stormwater NPDES Permit Data Monitoring Report (DMR) Upload form within 30 days of receiving sampling results. Mail the original, signed hard copy of the DMR to the appropriate DEMLR Regional Office.

Certificate of Coverage No. ~~NCG19~~ Permit #NCS000250	Person Collecting Samples: W. Neeland
Facility Name: NC State Shipyard	Laboratory Name: Envirochem
Facility County: Dare	Laboratory Cert. No.: 94
Discharge during this period: ☑ Yes ☐ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions this sample period for any benchmark exceedances? ☑ Yes ☐ No If so, which Tier (I, II, or III)? Tier I	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☑ Yes ☐ No Date Uploaded: 10/13/2025	

Analytical Monitoring Requirements for Outfalls with Industrial Activities – Benchmarks in (Red)

Parameter Code	Parameter	Outfall 003	Outfall	Outfall	Outfall	Outfall
N/A	Receiving Stream Class	SA				
N/A	Date Sample Collected MM/DD/YYYY	9/9/2025				
46529	24-Hour Rainfall in inches	0.1				
CO530	TSS in mg/L **(100 or 50*)**	8.5				
NCOIL	Estimated New Motor/Hydraulic Oil usage in gal/month	0				
00340	Chemical Oxygen Demand in mg/L **(120)**	54.0				
00400	pH in standard units **(6.0 – 9.0 FW, 6.8 – 8.5 SW)**	7.7				
01105	Aluminum, total recoverable in mg/ L **(0.75 FW, 0.24 SW)**	0.049				
01119	Copper, total recoverable in mg/L **(0.010 FW, 0.006 SW)**	0.058				
01051	Lead, total recoverable (as Pb) in mg/ L **(0.075 FW, 0.22 SW)**	<0.01				
01094	Zinc, total recoverable in mg/L **(0.126 FW, 0.095 SW)**	0.125				
Additional parameters for outfalls in drainage areas that use >55 gallons per month of new hydraulic oil on average						
00552	Non-Polar Oil & Grease in mg/L **(15)**	<5.00				

***Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L**
FW (Freshwater) SW (Saltwater)

Notes (optional):

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Wesley A. Owens
Signature of Permittee or Delegated Authorized Individual

10/13/2025
Date

waowens1@ncdot.gov
Email Address

919-707-2924
Phone Number

NCDEQ Division of Energy, Mineral and Land Resources

Stormwater Discharge Monitoring Report (DMR) Form for NCG190000
Marinas and Shipbuilding

Click here for instructions

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Certificate of Coverage No. ~~NCG19~~ Permit #NCS000250	Person Collecting Samples: W. Neeland
Facility Name: NC State Shipyard	Laboratory Name:
Facility County: Dare	Laboratory Cert. No.:
Discharge during this period: ☐ Yes ☑ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions this sample period for any benchmark exceedances? ☑ Yes ☐ No If so, which Tier (I, II, or III)? Tier I	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☐ Yes ☑ No Date Uploaded:	

Analytical Monitoring Requirements for Outfalls with Industrial Activities – Benchmarks in (Red)

Parameter Code	Parameter	Outfall 003	Outfall	Outfall	Outfall	Outfall
N/A	Receiving Stream Class					
N/A	Date Sample Collected MM/DD/YYYY					
46529	24-Hour Rainfall in inches					
CO530	TSS in mg/L **(100 or 50*)**					
NCOIL	Estimated New Motor/Hydraulic Oil usage in gal/month					
00340	Chemical Oxygen Demand in mg/L **(120)**					
00400	pH in standard units **(6.0 – 9.0 FW, 6.8 – 8.5 SW)**					
01105	Aluminum, total recoverable in mg/ L **(0.75 FW, 0.24 SW)**					
01119	Copper, total recoverable in mg/L **(0.010 FW, 0.006 SW)**					
01051	Lead, total recoverable (as Pb) in mg/ L **(0.075 FW, 0.22 SW)**					
01094	Zinc, total recoverable in mg/L **(0.126 FW, 0.095 SW)**					
Additional parameters for outfalls in drainage areas that use >55 gallons per month of new hydraulic oil on average						
00552	Non-Polar Oil & Grease in mg/L **(15)**					

***Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L**
FW (Freshwater) SW (Saltwater)

Notes (optional): SDO-003 no discharge during this period

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Wesley A. Owens
Signature of Permittee or Delegated Authorized Individual

12/31/2025
Date

waowens1@ncdot.gov
Email Address

919-707-2924
Phone Number

NCDEQ Division of Energy, Mineral and Land Resources

Stormwater Discharge Monitoring Report (DMR) Form for NCG190000
Marinas and Shipbuilding

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Certificate of Coverage No. ~~NCG19~~ Permit #NCS000250	Person Collecting Samples: W. Neeland
Facility Name: NC State Shipyard	Laboratory Name: Envirochem
Facility County: Dare	Laboratory Cert. No.: 94
Discharge during this period: ☑ Yes ☐ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions this sample period for any benchmark exceedances? ☑ Yes ☐ No If so, which Tier (I, II, or III)? Tier I	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☑ Yes ☐ No Date Uploaded: 3/18/2026	

Analytical Monitoring Requirements for Outfalls with Industrial Activities – Benchmarks in (Red)

Parameter Code	Parameter	Outfall 003	Outfall	Outfall	Outfall	Outfall
N/A	Receiving Stream Class	SA				
N/A	Date Sample Collected MM/DD/YYYY	2/20/2026				
46529	24-Hour Rainfall in inches	0.12				
CO530	TSS in mg/L **(100 or 50*)**	138				
NCOIL	Estimated New Motor/Hydraulic Oil usage in gal/month	0				
00340	Chemical Oxygen Demand in mg/L **(120)**	194				
00400	pH in standard units **(6.0 – 9.0 FW, 6.8 – 8.5 SW)**	7.8				
01105	Aluminum, total recoverable in mg/ L **(0.75 FW, 0.24 SW)**	3.10				
01119	Copper, total recoverable in mg/L **(0.010 FW, 0.006 SW)**	1.78				
01051	Lead, total recoverable (as Pb) in mg/ L **(0.075 FW, 0.22 SW)**	0.027				
01094	Zinc, total recoverable in mg/L **(0.126 FW, 0.095 SW)**	4.19				
Additional parameters for outfalls in drainage areas that use >55 gallons per month of new hydraulic oil on average						
00552	Non-Polar Oil & Grease in mg/L **(15)**	5.41				

***Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L**
FW (Freshwater) SW (Saltwater)

Notes (optional):

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Wesley A. Owens
Signature of Permittee or Delegated Authorized Individual

3/18/2026
Date

waowens1@ncdot.gov
Email Address

919-707-2924
Phone Number

NCDEQ Division of Energy, Mineral and Land Resources

Stormwater Discharge Monitoring Report (DMR) Form for NCG190000
Marinas and Shipbuilding

Click here for instructions

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Certificate of Coverage No. ~~NCG19~~ Permit #NCS000250	Person Collecting Samples: J. Morefield
Facility Name: NC State Shipyard	Laboratory Name: Envirochem
Facility County: Dare	Laboratory Cert. No.: 94
Discharge during this period: ☑ Yes ☐ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions this sample period for any benchmark exceedances? ☑ Yes ☐ No If so, which Tier (I, II, or III)? Tier II	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☑ Yes ☐ No Date Uploaded: 6/23/2026	

Analytical Monitoring Requirements for Outfalls with Industrial Activities – Benchmarks in (Red)

Parameter Code	Parameter	Outfall 003	Outfall Gutter	Outfall	Outfall	Outfall
N/A	Receiving Stream Class	SA	SA			
N/A	Date Sample Collected MM/DD/YYYY	6/1/2026	6/1/2026			
46529	24-Hour Rainfall in inches	0.43	0.43			
CO530	TSS in mg/L **(100 or 50*)**	75.0	Not analyzed			
NCOIL	Estimated New Motor/Hydraulic Oil usage in gal/month	0	0			
00340	Chemical Oxygen Demand in mg/L **(120)**	77.0	Not analyzed			
00400	pH in standard units **(6.0 – 9.0 FW, 6.8 – 8.5 SW)**	---	---			
01105	Aluminum, total recoverable in mg/ L **(0.75 FW, 0.24 SW)**	0.657	0.034			
01119	Copper, total recoverable in mg/L **(0.010 FW, 0.006 SW)**	1.49	0.118			
01051	Lead, total recoverable (as Pb) in mg/ L **(0.075 FW, 0.22 SW)**	0.011	<0.01			
01094	Zinc, total recoverable in mg/L **(0.126 FW, 0.095 SW)**	1.67	0.504			
Additional parameters for outfalls in drainage areas that use >55 gallons per month of new hydraulic oil on average						
00552	Non-Polar Oil & Grease in mg/L **(15)**	<5.00	Not analyzed			

***Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L**
FW (Freshwater) SW (Saltwater)

Notes (optional): SDO-003 pH not recorded; Gutter = extra sample from roof drain in SDO-003 drainage area

"I certify by my signature below, 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."

Wesley A. Owens
Signature of Permittee or Delegated Authorized Individual

6/23/2026
Date

waowens1@ncdot.gov
Email Address

919-707-2924
Phone Number

NCDEQ Division of Energy, Mineral and Land Resources

Stormwater Discharge Monitoring Report (DMR) Form for NCG080000
Transit and Transportation

Click here for instructions

Complete, sign, scan and submit the DMR via the Stormwater NPDES Permit Data Monitoring Report (DMR) Upload form within 30 days of receiving sampling results. Mail the original, signed hard copy of the DMR to the appropriate DEMLR Regional Office.

Certificate of Coverage No. ~~NCG08-~~ Permit#NCS000250	Person Collecting Samples: D. O'Connor
Facility Name: Raleigh Railcar & Locomotive Maintenance	Laboratory Name: Pace Analytical Svcs, LLC
Facility County: Wake	Laboratory Cert. No.: 12
Discharge during this period: ☐ Yes ☑ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions this sample period for any benchmark exceedances? ☐ Yes ☑ No If so, which Tier (I, II, or III)?	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☐ Yes ☑ No Date Uploaded:	

Part A: Vehicle & Equipment Maintenance Areas – Benchmarks in (Red)

Parameter Code	Parameter	Outfall 001	Outfall 002	Outfall 003	Outfall	Outfall
N/A	Receiving Stream Class					
N/A	Date Sample Collected MM/DD/YYYY					
46529	24-Hour Rainfall in inches					
CO530	TSS in mg/L **(100 or 50*)**					
00552	Non-Polar Oil & Grease in mg/L **(15)**					
00400	pH in standard units **(6.0 – 9.0)**					
NCOIL	Estimated New Motor/Hydraulic Oil Usage in gal/month					

Part B: Oil/Water Separators and Secondary Containments Areas at Bulk Stations & Terminals – Benchmarks in (Red)

Parameter Code	Parameter	Outfall	Outfall	Outfall	Outfall	Outfall
N/A	Receiving Stream Class					
N/A	Date Sample Collected MM/DD/YYYY					
46529	24-Hour Rainfall in inches					
CO530	TSS in mg/L **(100 or 50*)**					
00552	Non-Polar Oil & Grease in mg/L **(15)**					
00400	pH in standard units **(6.0 – 9.0)**					

*** Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L**

Notes (optional): SDOs 001, 002, 003 no discharge during this period

"I certify by my signature below, 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."

Wesley A. Owens
Signature of Permittee or Delegated Authorized Individual

9/30/2025
Date

Email Address waowens1@ncdot.gov

Phone Number 919-707-2924

NCDEQ Division of Energy, Mineral and Land Resources

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Certificate of Coverage No. ~~NCG08-~~ Permit#NCS000250	Person Collecting Samples: D. O'Connor
Facility Name: Raleigh Railcar & Locomotive Maintenance	Laboratory Name: Pace Analytical Svcs, LLC
Facility County: Wake	Laboratory Cert. No.: 12
Discharge during this period: ☑ Yes ☐ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions this sample period for any benchmark exceedances? ☐ Yes ☑ No If so, which Tier (I, II, or III)?	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☐ Yes ☑ No Date Uploaded:	

Part A: Vehicle & Equipment Maintenance Areas – Benchmarks in (Red)

Parameter Code	Parameter	Outfall 001	Outfall 002	Outfall 003	Outfall	Outfall
N/A	Receiving Stream Class	C, NSW	C, NSW	C, NSW		
N/A	Date Sample Collected MM/DD/YYYY	10/27/25	10/27/25	10/27/25		
46529	24-Hour Rainfall in inches	1.68	1.68	1.68		
CO530	TSS in mg/L **(100 or 50*)**	26.9	24.6	12.3		
00552	Non-Polar Oil & Grease in mg/L **(15)**	ND	ND	ND		
00400	pH in standard units **(6.0 – 9.0)**	6.0	6.2	6.2		
NCOIL	Estimated New Motor/Hydraulic Oil Usage in gal/month	0	0	220		

Part B: Oil/Water Separators and Secondary Containments Areas at Bulk Stations & Terminals – Benchmarks in (Red)

Parameter Code	Parameter	Outfall	Outfall	Outfall	Outfall	Outfall
N/A	Receiving Stream Class					
N/A	Date Sample Collected MM/DD/YYYY					
46529	24-Hour Rainfall in inches					
CO530	TSS in mg/L **(100 or 50*)**					
00552	Non-Polar Oil & Grease in mg/L **(15)**					
00400	pH in standard units **(6.0 – 9.0)**					

*** Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L**

Notes (optional):

"I certify by my signature below, 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."

Wesley A. Owens
Signature of Permittee or Delegated Authorized Individual

12/15/2025
Date

Email Address waowens1@ncdot.gov

Phone Number 919-707-2924

NCDEQ Division of Energy, Mineral and Land Resources

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Facility Name: Raleigh Railcar & Locomotive Maintenance	Laboratory Name: Pace Analytical Svcs, LLC
Facility County: Wake	Laboratory Cert. No.: 12
Discharge during this period: ☑ Yes ☐ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions this sample period for any benchmark exceedances? ☐ Yes ☑ No If so, which Tier (I, II, or III)?	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☐ Yes ☑ No Date Uploaded:	

Part A: Vehicle & Equipment Maintenance Areas – Benchmarks in (Red)

Parameter Code	Parameter	Outfall 001	Outfall 002	Outfall 003	Outfall	Outfall
N/A	Receiving Stream Class	C, NSW	C, NSW	C, NSW		
N/A	Date Sample Collected MM/DD/YYYY	2/26/26	2/26/26	2/26/26		
46529	24-Hour Rainfall in inches	1.12	1.12	1.12		
CO530	TSS in mg/L **(100 or 50*)**	20.5	20.6	11.2		
00552	Non-Polar Oil & Grease in mg/L **(15)**	ND	ND	ND		
00400	pH in standard units **(6.0 – 9.0)**	6.3	6.2	6.3		
NCOIL	Estimated New Motor/Hydraulic Oil Usage in gal/month	0	0	220		

Part B: Oil/Water Separators and Secondary Containments Areas at Bulk Stations & Terminals – Benchmarks in (Red)

Parameter Code	Parameter	Outfall	Outfall	Outfall	Outfall	Outfall
N/A	Receiving Stream Class					
N/A	Date Sample Collected MM/DD/YYYY					
46529	24-Hour Rainfall in inches					
CO530	TSS in mg/L **(100 or 50*)**					
00552	Non-Polar Oil & Grease in mg/L **(15)**					
00400	pH in standard units **(6.0 – 9.0)**					

*** Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L**

Notes (optional):

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Wesley A. Owens
Signature of Permittee or Delegated Authorized Individual

3/20/2026
Date

Email Address waowens1@ncdot.gov

Phone Number 919-707-2924

NCDEQ Division of Energy, Mineral and Land Resources

Stormwater Discharge Monitoring Report (DMR) Form for NCG080000
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Certificate of Coverage No. ~~NCG08-~~ Permit#NCS000250	Person Collecting Samples: D. O'Connor
Facility Name: Raleigh Railcar & Locomotive Maintenance	Laboratory Name: Pace Analytical Svcs, LLC
Facility County: Wake	Laboratory Cert. No.: 12
Discharge during this period: ☑ Yes ☐ No *(if no, skip to signature and date)*	
Has your facility implemented mandatory Tier response actions this sample period for any benchmark exceedances? ☑ Yes ☐ No If so, which Tier (I, II, or III)? Tier I	
A copy of this DMR has been uploaded electronically via https://edocs.deq.nc.gov/Forms/SW-DMR ☑ Yes ☐ No Date Uploaded: 8/17/2026	

Part A: Vehicle & Equipment Maintenance Areas – Benchmarks in (Red)

Parameter Code	Parameter	Outfall 001	Outfall 002	Outfall 003	Outfall	Outfall
N/A	Receiving Stream Class	C, NSW	C, NSW	C, NSW		
N/A	Date Sample Collected MM/DD/YYYY	6/19/26	6/19/26	6/19/26		
46529	24-Hour Rainfall in inches	0.78	0.78	0.78		
CO530	TSS in mg/L **(100 or 50*)**	13.5	106	6.7		
00552	Non-Polar Oil & Grease in mg/L **(15)**	ND	ND	ND		
00400	pH in standard units **(6.0 – 9.0)**	6.3	6.0	6.3		
NCOIL	Estimated New Motor/Hydraulic Oil Usage in gal/month	0	0	220		

Part B: Oil/Water Separators and Secondary Containments Areas at Bulk Stations & Terminals – Benchmarks in (Red)

Parameter Code	Parameter	Outfall	Outfall	Outfall	Outfall	Outfall
N/A	Receiving Stream Class					
N/A	Date Sample Collected MM/DD/YYYY					
46529	24-Hour Rainfall in inches					
CO530	TSS in mg/L **(100 or 50*)**					
00552	Non-Polar Oil & Grease in mg/L **(15)**					
00400	pH in standard units **(6.0 – 9.0)**					

*** Outfalls to Outstanding Resource Waters (ORW), High Quality Waters (HQW), Trout Waters (Tr) and Primary Nursery Areas (PNA) have a benchmark TSS limit of 50 mg/L. All other water classifications have a benchmark of 100 mg/L**

Notes (optional):

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Wesley A. Owens
Signature of Permittee or Delegated Authorized Individual

8/13/2026
Date

Email Address waowens1@ncdot.gov

Phone Number 919-707-2924

STORMWATER DISCHARGE OUTFALL (SDO)
ANNUAL SUMMARY DATA MONITORING REPORT (DMR) / SPPP Annual Update DATA REVIEW FORM
Calendar Year 2025/2026

Individual NPDES Permit No. NCS 0 0 0 2 5 0 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: NCGTP
County: Lenoir
Phone Number: (919)707-2924 Total no. of SDOs monitored 12

Outfall No. 001
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** ■

		Parameter, (units)							
	Total Rainfall, inches	pH	TSS (mg/L)	Conductivity (µohms/cm)	COD (mg/L)	Non-Polar Oil & Grease (mg/L)			
Benchmark	***N/A***	6-9	100		120	15			
Date Sample Collected, mm/dd/yy									
7/2/25	1.48	6.0	11.5	40.7	47	5.6			
12/31/25	N/A	No Flow							
2/26/26	0.78	6.0	19.6	127.6	36.5	ND			
6/19/26	0.78	No Flow							

Additional Outfall Attachment

Outfall No. 002

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)							
		pH	TSS (mg/L)	Conductivity (µohms/cm)	COD (mg/L)	Non-Polar Oil & Grease (mg/L)			
Benchmark	***N/A***	6-9	100		120	15			
Date Sample Collected, mm/dd/yy									
7/2/25	1.48	6.2	ND	56.0	69.7	ND			
12/31/25	N/A	No Flow							
2/26/25	0.78	6.0	ND	97.4	43.5	ND			
6/19/26	0.78	No Flow							

Additional Outfall Attachment

Outfall No. 003

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)							
		pH	TSS	Conductivity (µohms/cm)	COD (mg/L)	Non-Polar Oil & Grease (mg/L)			
Benchmark	***N/A***	6-9	100		120	15			
Date Sample Collected, mm/dd/yy									
7/2/25	1.48	No Flow							
12/31/25	N/A	No Flow							
2/26/26	0.78	No Flow							
6/19/26	0.78	No Flow							

Additional Outfall Attachment

Outfall No. 004

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 ■

		Parameter, (units)							
	Total Rainfall, inches	pH	TSS	Conductivity (µohms/cm)	COD (mg/L)	Non-Polar Oil & Grease (mg/L)			
Benchmark	***N/A***	6-9	100		120	15			
Date Sample Collected, mm/dd/yy									
7/2/25	1.48	6.0	16.2	20.4	74.3	ND			
12/31/25	N/A	No Flow							
2/26/26	0.78	6.2	72.9	93.3	125	ND			
6/19/26	0.78	6.7	9.7	144.5	35.9	ND			

Additional Outfall Attachment

Outfall No. 005

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 ■

		Parameter, (units)							
	Total Rainfall, inches	pH	TSS	Conductivity (µohms/cm)	COD (mg/L)	Non-Polar Oil & Grease (mg/L)			
Benchmark	***N/A***	6-9	100		120	15			
Date Sample Collected, mm/dd/yy									
7/2/25	1.48	No Flow							
12/31/25	N/A	No Flow							
2/26/26	0.78	No Flow							
6/19/26	0.78	No Flow							

Additional Outfall Attachment

Outfall No. 006

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 ■

		Parameter, (units)							
	Total Rainfall, inches	pH	TSS	Conductivity (µohms/cm)	COD (mg/L)	Non-Polar Oil & Grease (mg/L)			
Benchmark	***N/A***	6-9	100		120	15			
Date Sample Collected, mm/dd/yy									
7/2/25	1.48	6.0	12.9	82.5	ND	9.2			
12/31/25	N/A	No Flow							
2/26/26	0.78	6.3	ND	114.4	ND	ND			
6/19/26	0.78	No Flow							

Additional Outfall Attachment

Outfall No. 007

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)							
		pH	TSS	Conductivity (µohms/cm)	COD (mg/L)	Non-Polar Oil & Grease (mg/L)			
Benchmark	***N/A***	6-9	100		120	15			
Date Sample Collected, mm/dd/yy									
7/2/25	1.48	6.3	7.5	98.2	26.5	40			
12/31/25	N/A	No Flow							
2/26/26	0.78	6.0	3.2	65.8	31.9	ND			
6/19/26	0.78	7.2	4.9	220	--*	ND	*Lab error		

Additional Outfall Attachment

Outfall No. 008

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 ■

		Parameter, (units)							
	Total Rainfall, inches	pH	TSS	Conductivity (µohms/cm)	COD (mg/L)	Non-Polar Oil & Grease (mg/L)			
Benchmark	***N/A***	6-9	100		120	15			
Date Sample Collected, mm/dd/yy									
7/2/25	1.48	No Flow							
12/31/25	N/A	No Flow							
2/26/26	0.78	6.4	ND	49.6	ND	ND			
6/19/26	0.78	No Flow							

Additional Outfall Attachment

Outfall No. 009

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 ■

		Parameter, (units)							
	Total Rainfall, inches	pH	TSS	Conductivity (µohms/cm)	COD (mg/L)	Non-Polar Oil & Grease (mg/L)			
Benchmark	***N/A***	6-9	100		120	15			
Date Sample Collected, mm/dd/yy									
7/2/25	1.48	6.3	ND	25.0	ND	12			
12/31/25	N/A	No Flow							
2/26/26	0.78	No Flow							
6/19/26	0.78	No Flow							

Additional Outfall Attachment

Outfall No. 010

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)							
		pH	TSS	Conductivity (µohms/cm)	COD (mg/L)	Non-Polar Oil & Grease (mg/L)			
Benchmark	***N/A***	6-9	100		120	15			
Date Sample Collected, mm/dd/yy									
7/2/25	1.48	6.0	ND	38.5	ND	ND			
12/31/25	N/A	No Flow							
2/26/26	0.78	6.1	12.4	33.6	ND	ND			
6/19/26	0.78	No Flow							

Additional Outfall Attachment

Outfall No. 011

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 ■

		Parameter, (units)							
	Total Rainfall, inches	pH	TSS	Conductivity (µohms/cm)	COD (mg/L)	Non-Polar Oil & Grease (mg/L)			
Benchmark	***N/A***	6-9	100		120	15			
Date Sample Collected, mm/dd/yy									
7/2/25	1.48	6.0	4.0	20.6	97.1	ND			
12/31/25	N/A	No Flow							
2/26/26	0.78	6.0	ND	20.5	78.3	ND			
6/19/26	0.78	No Flow							

Additional Outfall Attachment

Outfall No. 012

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 ■

		Parameter, (units)							
	Total Rainfall, inches	pH	TSS	Conductivity (µohms/cm)	COD (mg/L)	Non-Polar Oil & Grease (mg/L)			
Benchmark	***N/A***	6-9	100		120	15			
Date Sample Collected, mm/dd/yy									
7/2/25	1.48	No Flow							
12/31/25	N/A	No Flow							
2/26/26	0.78	No Flow							
6/19/26	0.78	No Flow							

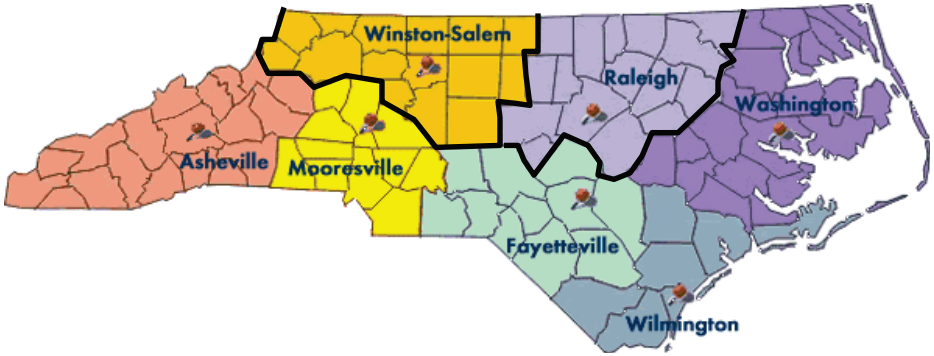
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Signature Wesley A. Owens

Date 8/7/2026

For questions, contact your local Regional Office:

DEMLR Regional Office Contact Information:



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STORMWATER DISCHARGE OUTFALL (SDO)
ANNUAL SUMMARY DATA MONITORING REPORT (DMR) / SPPP Annual Update DATA REVIEW FORM
Calendar Year 2025/2026

Individual NPDES Permit No. NCS 0 0 0 2 5 0 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: Creswell Asphalt Plant
County: Washington
Phone Number: (919) 707-2924 Total no. of SDOs monitored 2

Outfall No. 001
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)**							
		TSS (mg/L)	Non-Polar Oil & Grease (mg/L)						
Benchmark	***N/A***	100	15						
Date Sample Collected, mm/dd/yy									
9/30/2025	N/A	No Flow	No Flow						
12/29/2025	N/A	No Flow	No Flow						
2/26/2026	0.11	17.5	<5.00						
6/30/2026	N/A	No Flow	No Flow						

Additional Outfall Attachment

Outfall No. 002

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)							
		TSS (mg/L)	Non-Polar Oil & Grease (mg/L)						
Benchmark	***N/A***	100	15						
Date Sample Collected, mm/dd/yy									
9/30/2025	N/A	No Flow	No Flow						
12/29/2025	N/A	No Flow	No Flow						
2/26/2026	0.11	38.7	<5.00						
6/30/2026	N/A	No Flow	No Flow						

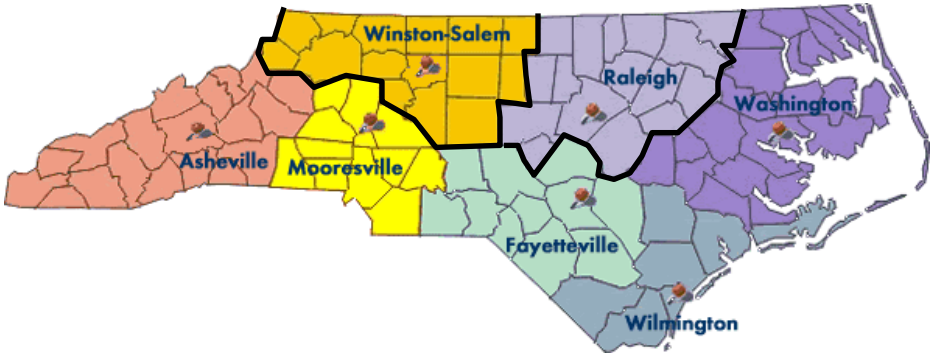
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Signature _____

Date 8/6/2026

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STORMWATER DISCHARGE OUTFALL (SDO)
ANNUAL SUMMARY DATA MONITORING REPORT (DMR) / SPPP Annual Update DATA REVIEW FORM
Calendar Year 2025/2026

Individual NPDES Permit No. NCS 0 0 0 2 5 0 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: NC State Shipyard
County: Dare
Phone Number: (919) 707-2924 Total no. of SDOs monitored 1

Outfall No. 003

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)**							
		TSS (mg/L)	COD (mg/L)	pH	Aluminum (mg/L)	Copper (mg/L)	Lead (mg/L)	Zinc (mg/L)	Non-Polar Oil & Grease (mg/L)
Benchmark	***N/A***	50	120	6.8-8.5	0.24	0.006	0.22	0.095	15
Date Sample Collected, mm/dd/yy									
9/9/25	0.1	8.5	54.0	7.7	0.049	0.058	<0.01	0.125	<5.00
12/31/25	N/A	No Flow							
2/20/26	0.12	138	194	7.8	3.10	1.78	0.027	4.19	5.41
6/1/26	0.43	75.0	77.0		0.657	1.49	0.011	1.67	<5.00

Additional Outfall Attachment

Outfall No. Gutter

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** ■

		Parameter, (units)							
	Total Rainfall, inches	TSS (mg/L)	COD (mg/L)	pH	Aluminum (mg/L)	Copper (mg/L)	Lead (mg/L)	Zinc (mg/L)	Non-Polar Oil & Grease (mg/L)
Benchmark	***N/A***	50	120	6.8-8.5	0.24	0.006	0.22	0.095	15
Date Sample Collected, mm/dd/yy									
6/1/26	0.43				0.034	0.118	<0.01	0.504	

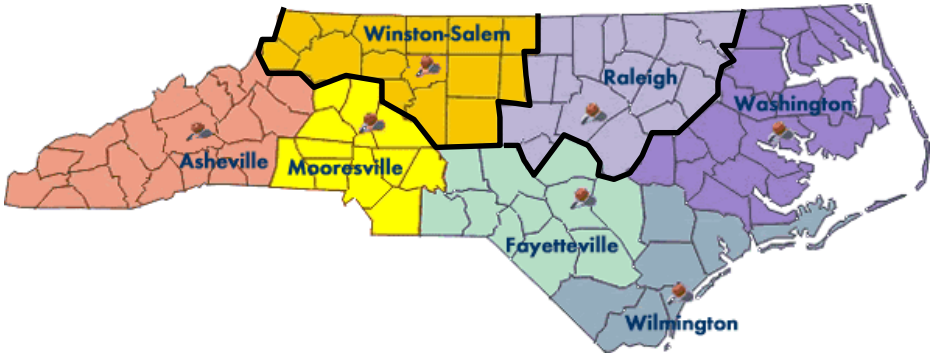
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Signature Wesley A. Owens

Date 8/14/26

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STORMWATER DISCHARGE OUTFALL (SDO)
ANNUAL SUMMARY DATA MONITORING REPORT (DMR) / SPPP Annual Update DATA REVIEW FORM
Calendar Year 2025/2026

Individual NPDES Permit No. NCS 0 0 0 2 5 0 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: Raleigh Railcar & Locomotive Maintenance
County: Wake
Phone Number: (919) 707-2924 Total no. of SDOs monitored 3

Outfall No. 001
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)**							
		TSS (mg/L)	Non-Polar Oil & Grease (mg/L)	pH					
Benchmark	***N/A***								
Date Sample Collected, mm/dd/yy									
9/30/25	N/A	No Flow							
10/27/2025	1.68	26.9	ND	6.0					
2/26/26	1.12	20.5	ND	6.3					
6/19/26	0.78	13.5	ND	6.3					

Additional Outfall Attachment

Outfall No. 002

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)							
		TSS (mg/L)	Non-Polar Oil & Grease (mg/L)	pH					
Benchmark	***N/A***	100	15	6-9					
Date Sample Collected, mm/dd/yy									
9/30/25	N/A	No Flow							
10/27/25	1.68	24.6	ND	6.2					
2/26/26	1.12	20.6	ND	6.2					
6/19/26	0.78	106	ND	6.0					

Additional Outfall Attachment

Outfall No. 003

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)							
		TSS (mg/L)	Non-Polar Oil & Grease (mg/L)	pH					
Benchmark	***N/A***	100	15	6-9					
Date Sample Collected, mm/dd/yy									
9/30/25	N/A	No Flow							
10/27/25	1.68	12.3	ND	6.2					
2/26/26	1.12	11.2	ND	6.3					
6/19/26	0.78	6.7	ND	6.3					

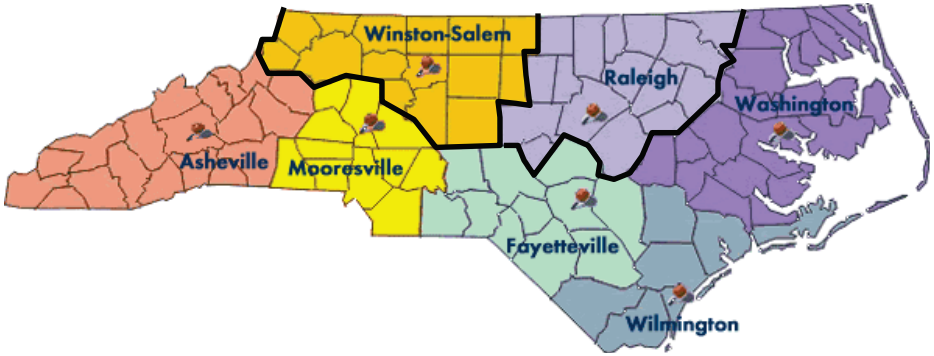
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Signature Wesley A. Owens

Date 8/13/26

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