

**DEPARTMENT OF ENVIRONMENTAL
QUALITY**

**DIVISION OF ENERGY, MINERAL,
AND LAND RESOURCES**

**SEDIMENTATION
CONTROL COMMISSION
MEETING**

**10:00 A.M.
Tuesday
February 23, 2021**

ONLINE MEETING via WEBEX

**If you have any questions concerning this meeting, please contact
Julie Coco at (919) 707- 9215**

I. **Preliminary Matters**

A. Call to Order

B. Recognition of Those Attending

C. Swearing in of New Members, if Present

D. Approval of Meeting Minutes from November 5, 2020

AGENDA

North Carolina Sedimentation Control Commission
Business Meeting

Ground Floor Hearing Room
Archdale Building
512 North Salisbury Street
Raleigh North Carolina

Though normally held at the above location, this meeting will be held via webinar.

February 23, 2021, 10:00 AM

The Elections and Ethics Enforcement Act mandates that the Chair inquire as to whether any member knows of any known conflict of interest or appearance of conflict with respect to matters before the Commission. Executive Order 34 requires any member to recuse herself or himself from voting on any matter before this Commission which would confer a financial benefit on the member. If any member knows of a conflict of interest, appearance of a conflict, or possible financial benefit please so state at this time.

Dr. Susan White, Chair, Presiding

I. Preliminary Matters

- A. Call to Order
- B. Recognition of Those Attending
- C. Swearing in of New Members, if Present
- D. Approval of Meeting Minutes from November 5, 2020

II. Action Items

- A. Pitt County Review – Mr. Graham Parrish
Staff are presenting findings and recommending continuing delegation of this program.
- B. City of Burlington Review – Mr. Graham Parrish
Staff are presenting the findings and recommending continuing the review of this program.
- C. Town of Weddington Review – Mr. Graham Parrish
Staff are presenting the findings and recommending continuing the review of this program.
- D. City of High Point Review – Mr. Graham Parrish
Staff are presenting the findings and recommendations from this program review.

III. Information Items

- A. Ethics Training Reminder – Ms. LeToya Ogallo, Ethics Liaison
Commissioner Ogallo will address the members with a reminder of their duty to obtain or maintain their ethics training.
- B. Commission Technical Committee – Mr. Mark Taylor
The Chairman will provide an update on the progress in obtaining members.
- C. Land Quality Section Active Sediment Cases and Enforcement — Ms. Julie Coco
Staff will report on the status of Civil Penalty Assessments, action on Civil Penalty Assessments, and Judicial Actions.
- D. Education Program Status Report — Ms. Rebecca Coppa
Staff will report on Sediment Education Program activities.
- E. Sediment Program Status Report — Ms. Julie Coco
Staff will report on LQS's current statewide plan approval, inspection, and enforcement activities.
- F. NCDOT Report – Ms. Julie Coco
Staff will report on the Immediate Corrective Action Reports and Trout Buffer Waivers issued by the Department.
- G. Land Quality Section Report — Mr. Toby Vinson
Staff will provide a report on the current number of vacancies in the Section and other LQS activities and issues.
- H. Coronavirus Disease of 2019 (COVID-19) Status – Mr. Toby Vinson
Staff will provide an update on the division's current mode of operation during the pandemic.
- I. Civil Penalty Remissions Committee Update – Ms. Marion Deerhake
Commissioner Deerhake will present on the status of remission requests to be handled by the Civil Penalty Remissions Committee.
- J. Ad-hoc Committee Proposal – Mr. Hartwell Carson
Commissioner Carson will address the members as to a proposed new committee

IV. Conclusion

- A. Remarks by DEMLR Director
- B. Remarks by Commission Members
- C. Remarks by Chairman
- D. Adjournment

MINUTES
NORTH CAROLINA SEDIMENTATION CONTROL COMMISSION
NOVEMBER 5, 2020
GROUND FLOOR HEARING ROOM, ARCHDALE BUILDING
RALEIGH, NORTH CAROLINA

The North Carolina Sedimentation Control Commission met on November 5, 2020 at 10:00 a.m. via an online webinar. The following persons were in attendance via webinar for all or part of the meeting, with Commission members being present for the entire meeting:

COMMISSION MEMBERS

Dr. Susan White (Chair)
Mr. Michael Taylor
Ms. Emily Sutton
Mr. Benjamin Brown
Mr. Mark Taylor
Ms. Susan Foster
Ms. LaToya Ogallo
Dr. Richard McLaughlin
Ms. Marion Deerhake
Mr. Michael Willis
Mr. Hartwell Carson
Mr. Jason Conner

OTHERS

Mr. Brian Wrenn, Director, DEMLR
Mr. Matt Gantt, Regional Operations Chief, DEMLR
Mr. Toby Vinson, Program Operations Chief, DEMLR
Mr. Graham Parrish, State Assistant Sedimentation Specialist, DEMLR
Ms. Julie Coco, State Sedimentation Specialist, DEMLR
Ms. Rebecca Coppa, State Sedimentation Education Specialist, DEMLR
Mr. Zac Lentz, DEMLR-Winston Salem Regional Office
Ms. Sarah Zambon, Attorney General's Office
Mr. Shelton Sullivan, DWR
Mr. Tom Gerow, NCFS
Ms. Susan Locklear, Stormwater Engineer, Town of Clayton
Mr. Joshua Baird, Town Engineer, Town of Clayton
Ms. Karyn Pageau, Wake County
Ms. Anna Martin, WRRRI
Mr. Victor Barbour, Associated General Contractors
Mr. Stan Aiken, DEMLR-Asheville Regional Office
Ms. Shawna Riddle, DEMLR-Asheville Regional Office

Mr. Fred Walker, DEMLR-Asheville Regional Office
Mr. Earl Davis, Soil Erosion Control Chief, Guilford County

PRELIMINARY MATTERS

Dr. White called the meeting to order at 9:58 am.

Dr. White read Executive Order No. 1 regarding avoidance of conflict of interest.

Those in attendance introduced themselves. Dr. White announced any potential conflicts with the Commission members and reminded them to recuse themselves from any discussions related to those conflicts. Dr. White read the guidelines for participating in the webinar.

Emily Sutton, Michael Taylor and Benjamin Brown were sworn into the meeting as new members.

Dr. White asked for a motion to approve the minutes from the August 11, 2020 meeting. Mr. Mark Taylor cited a duplication in the minutes. Ms. Ogallo moved to approve the minutes, pending a change in the wording under the section on Conclusions. Ms. Foster made a second; the motion passed, and the minutes were approved unanimously.

ACTION ITEMS

Election of a Vice-Chair to the Commission

Dr. White opened the floor for nominations from the members for the election of a vice-chair to the commission. Ms. Ogallo nominated herself. Dr. McLaughlin made a second; the motion passed unanimously, and Ms. Ogallo was named Vice-Chair of the Sedimentation Control Commission.

Guilford County Local Program Review

The recommendation was made to remove the county from probation and to continue their delegation. A discussion ensued. Dr. McLaughlin moved to approve the recommendation made by the DEMLR staff. Ms. Ogallo made a second; the motion passed unanimously.

Town of Wake Forest Local Program Review

The recommendation was made to continue the town's delegation. Mr. Mark Taylor moved to approve the recommendation made by the DEMLR staff. Ms. Foster made a second; the motion passed unanimously.

Formal Review of Local Government Ordinance

Ms. Coco presented the Town of Clayton's ordinance on erosion and sedimentation control before the members for review. She concluded with a recommendation to approve the local ordinance as drafted and adopted by the town's council. Ms. Foster

moved to approve the recommendation made by the DEMLR staff. Mr. Willis made a second; the motion passed. A subsequent motion was made by Dr. McLaughlin to delegate authority to the Town of Clayton for administering and enforcing the Sedimentation Pollution Control Act of 1973, after approval of their ordinance. Ms. Foster made a second; the motion passed unanimously.

Model Ordinance Update

Ms. Coco presented proposed changes to the model ordinance used by Local Programs.

The motion was as follows:

Ms. Ogallo moved to adopt the model ordinance with two administrative amendments.

Dr. McLaughlin made a second; the motion passed unanimously.

INFORMATION ITEMS

Risk-based Approach to Construction Projects in Mountainous Areas of North Carolina

Mr. Brian Wrenn, Mr. William (Toby) Vinson, and Mr. Matt Gantt presented on an enhanced approach to our risk-based inspection process in response to a perceived increase in rainfall and storm intensities. Studies are expected to take place which will re-evaluate intensity-duration-frequency curve data (IDF curves) used to determine peak discharges for the design of erosion and sedimentation control measures. In the meantime, the Division is evaluating projects to determine thresholds for their approach to risk-management of inspections and plan designs to reduce the risk of off-site sediment. The approach will consider site-specific conditions such as project size, predominant slopes, and nearby sensitive receptors.

Commission Technical Committee

The Chair provided an update as to progress on selecting members for this committee. Nominations continue to be sought, resumes are being solicited, and candidates are being evaluated.

Land Quality Section Active Sediment Cases and Enforcement

Ms. Coco reported on the status of civil penalty assessments and judicial actions. Numbers were available through the end of the first quarter of fiscal year 2020-2021.

Education Program Status Report

Ms. Rebecca Coppa reported on Sediment Education Program activities. Commentary included positive feedback from staff and a commission member as to the success of the ongoing design webinars. This webinar series has temporarily replaced the two in-person design workshops.

Sediment Program Status Report

Ms. Coco reported on the Land Quality Section's statewide plan approvals, inspections, and enforcement activities.

NCDOT Report

Ms. Coco reported on the one Immediate Corrective Action Report issued by the Department.

Land Quality Section Report

Mr. Vinson provided a report on the current number of vacancies in the Section.

COVID-19 Status

Mr. Vinson discussed how the pandemic and ensuing State executive orders have impacted program operations. Workloads have remained consistent during the pandemic, and staff are meeting their obligations in plan reviews and inspections. This year marks the first time for which the Division has complete mobility with personal computers and tablets. The Department will continue its teleworking policy through the end of the calendar year.

Reminder of Next Commission Meeting

The next commission meeting will be February 23, 2021.

CONCLUSION

Remarks by the Director – Mr. Wrenn stated that the Sediment Program is developing an onboarding process for new employees. Reference materials, policies, and training materials and videos will be stored on a SharePoint site so that they can be accessed at any time. The Raleigh Central Office is conducting regional office coordination meetings. The Division will be conducting two erosion and sedimentation plan review workshops for staff in December as part of the training effort. Finally, the Department is working towards electronic permitting. Because of DEMLR's dedicated funding, the Sedimentation Program is one of the first programs within the entire Department to move towards electronic permitting and tracking of their projects.

Remarks by Commission Members – Mr. Michael Taylor announced that he is looking forward to working with the other commission members.

Remarks by Chairman – The Chair expressed her appreciation to the DEMLR staff for their initiatives. She also welcomed the new members.

Adjournment – Dr. White adjourned the meeting at approximately 2:51 pm.

Julie Coco, State Sediment Engineer
Division of Energy, Mineral, and Land
Resources

William Vinson, Jr.
Chief of Program Operations
Division of Energy, Mineral, and
Land Resources

Dr. Susan White, Chair
Sedimentation Control Commission

II. Action Items

- A. Pitt County Local Program Review – Mr. Graham Parrish
- B. City of Burlington Local Program Review – Mr. Graham Parrish
- C. Town of Weddington Local Program Review – Mr. Graham Parrish
- D. City of High Point Local Program Review – Mr. Graham Parrish

Local Program Report to the SCC Pitt County, December 22, 2020

On December 22, 2020, personnel from the NCDEQ, Land Quality Section, conducted a formal review of Pitt County's Erosion and Sedimentation Control Program. Pitt County was last reviewed on January 28, 2015. The County has 4 staff members who contribute 2 full time equivalents. The county requires Sediment and Erosion Control plans for all sites greater than 1.0 acres. Between November 2019 and November 2020, the county reviewed or re-reviewed 18 sediment and erosion control plans while either approving or approving with modifications 16 of those plans. The most common deficiencies noted during plan reviews were inaccurate or lack of information (i.e., individual lot size, disturbed acres, or drainage areas). During the same time frame the County has performed 206 inspections and issued 6 NOVs. The County states that sites are inspected bi-weekly. The County requires a preconstruction meeting before land disturbing commences on every project. The County currently has a total of 16 open projects. Along with NOVs, the county can hold building permits as well as the final plats for subdivisions for projects within their jurisdiction. During our review of the program, we reviewed the approved set of plans and performed a field inspection on three open projects.

The following is a summary of the projects that were reviewed:

1. Kinsaul Place North

This project consists of 9.13 acres disturbed for residential development. The file for this project contained the approved plan, approval letter, calculations, a copy of the deed, the FRO form and past inspections. The plan was received on 4/17/2020 and was approved on 5/15/2020. The approved plan was adequate. This site had received 11 inspections prior to our review. No NOVs, or CPAs have been issued to this site. During our inspection the site was out of compliance for failure to provide adequate groundcover, maintain measures and self-inspect. This site was also out of compliance with the NPDES permit NCG01 for discharging without a permit. The site did not have a project box with the approved plan, permit and had not received an NCG01 Certificate of Coverage. This site was finishing grading of the roadbed and preparing to pave. The site had a good construction entrance and had installed diversion ditches on both sides of the roadbed but needed to be stabilized and outlet protection installed. The stockpiles needed silt fence installed around the toe. A large drainage swale in the middle of the site had waddles and check dams installed. One area of silt fence above the drainage swale needed to be repaired and the drop inlets on the swale crossing needed to inlet protection installed.

2. Turnberry

This project consists of 20.3 disturbed acres for residential development. The file for this project contained the approved plan, approval letter, calculations, a copy of the deed, the FRO form and previous inspection reports. The plan was received on 6/30/2020 and was approved on 8/12/2020. This plan showed potential impacts into a buffer and neither a 404 nor 401 permits were included. The plans were also approved outside of the 30-day review cycle requirement. This site had received 2 inspections prior to our review. No NOVs or CPAs have been issued to this site. The site was out of compliance for failure to self-inspect, insufficient measures to retain sediment and failure install and maintain measures. During our inspection, the site had cleared for the roadbed and installed a large drainage swale along the front of the site. The diversion ditch did not have outlet measures installed and was releasing minor sediment into the adjacent

wetlands. The site had perimeter silt fence installed and had only cleared the road bed and area needed to install the drainage swales.

3. StorAll Mini Storage

This project consists of 5.0 acres disturbed acres for commercial development. The file for this project contained the approved plan, approval letter, calculations, the FRO form and previous inspection reports. The file did not have a copy of the deed. The plan was received on 8/7/2020 and was approved on 8/12/2020. This site had received 8 inspections prior to the date of our review. No NOVs or CPAs have been issued to this site. During our inspection, the site was out of compliance for failure to self-inspect and failure to install and maintain measures. The site was close to completing grading of the site and had installed the temporary sediment basin towards the back corner of the site. The basin still needed the skimmer outlet installed and rills, which had formed along the basin banks, needed to be repaired and approaches stabilized. A silt fence outlet needed to be installed in the low area below the basin to prevent the fence from blowing out during future rain events. There were traces of temporary vegetation throughout the site, however additional temporary groundcover was needed.

Positive findings:

During our review we found positive aspects about Pitt County's local erosion control program including:

- Preconstruction meetings are required by the County for all Projects.
- The County is performing regular bi-weekly inspections.
- The County is currently working updating their local ordinance.

Issues Noted and Required Action:

During our review we found that Guilford County's local erosion control program had a few deficiencies including:

- A plan was not reviewed within the 30-day review cycle due to being "Tabled" during the Technical Review Committee meeting to approve the plan while waiting for additional information.
- A plan approved was missing a 404/401 permit for impacts into a buffer.
- An individual was listed as the Financially Responsible Party rather than the company/firm they represented.
- A copy of the property deed was not kept in each project file.

The County shall implement the following changes to correct the deficiencies noted above:

- The procedure of "Tabling" during a plan review needs to be defined in the updated Local Ordinance so that it is clear "Tabling" does not stop the review cycle clock and a decision must be made and the applicant notified within 30-days for an initial review and 15-days for a revised plan. G.S. 113A-61(b).
- Ensure appropriate 404/401 permits have been obtained prior to or as a condition of plan approval when impacts to a buffer or stream are possible. Under General Statute 113A-54.1(c), you shall disapprove an erosion control plan if it would result in a violation of NCAC rules adopted to protect riparian buffers along surface waters.

- Ensure that the company or firm is the listed financially responsible party. An individual representative can sign the FRO form but should not be listed as the FRP. If the company or firm is a sole proprietorship, the name of the owner or manager may be listed as the FRP.
- Documentation of land ownership must be obtained prior to approval of a plan. A copy of the deed should be kept in each project file. 15A NCAC 04B.0118(c).
- Check that self-inspection reports are kept on site along with a copy of the approved plan, ESC Permit and NCGO1 certificate of coverage.

Additional Recommendations for Improvement:

DEMLR staff has also put together a list of recommendations to improve the program:

- Monitor and provide guidance for NPDES violations including improper concrete washout and fuel containment on site during inspections. Note possible violations and refer to the DEQ Washington Regional Office.
- Update all template letters, inspection reports and your Local Ordinance to reflect the latest language and references to North Carolina Administrative Code, as the NCAC rules and Model ordinance have recently been updated.

Conclusion:

During our review we found that Pitt County was effectively implementing their Locally Delegated Erosion and Sedimentation Control Program. Based on this review, staff recommends to “Continue Delegation” of Pitt County’s Erosion and Sedimentation Control Program.

This report has been prepared based on the review of Pitt County’s Local Program conducted on 12/22/2020. This report will be presented to the Sedimentation Control Commission (SCC) on February 23, 2021.

Local Program Report to the SCC City of Burlington, January 14, 2021

On January 14, 2021, personnel from the NCDEQ Land Quality Section, conducted a review of the City of Burlington's Erosion and Sedimentation Control Program. The City of Burlington was last reviewed on 8/22/2017. The City has 2 staff members that currently contribute 1 full time equivalent to the erosion control program. The City requires a sediment and erosion control plan for sites greater than 1.0 acres in disturbance. During the 2020 calendar year the City reviewed 14 plans and approved or approved with modifications 14 plans. The most common deficiencies noted by the City during their plan reviews were placing the sediment basin's inlets too close to the skimmer, short circuiting the full length of the basin, and having diversion ditches placed in areas which would not function properly in the field. During the 2020 calendar year the City performed 303 inspections, issued 2 NOVs and issued 8 stop work orders. The City is performing monthly inspections on all their projects and stated that the inspector will often drive through sites or do an abbreviated inspection every 1-2 weeks. The City currently has 30 open projects. Along with NOVs and Stop Work Orders, the City can hold building permits and building inspections as additional enforcement tools. The City also requires a preconstruction meeting for all projects. During our review of the program, we reviewed the approved set of plans and performed field inspections on three open projects.

The following is a summary of the projects that were reviewed.

1. Brassfield Meadows Section 3 Phase 2

This project consists of 17.3 acres disturbed for residential development. The file for this project contained the approved plan, approval letter, calculations, the FRO form and past inspection reports. A copy of the deed was not on file for this project, the City stated that because this was a multi-section, multi-phase development the copy of the deed may have been kept in the initial project file. The plan was received on 7/24/2018 and was approved on 8/6/2018. The approved plans for this project were adequate. This site had received 25 inspections prior to our review and had not been issued an NOV or CPA. At the time of our inspection, the site had been graded, roads paved, and houses were being built. A few of the drop inlets throughout the site needed maintenance and any sediment accumulation cleaned out. There was no concrete washout on site, one needed to be installed and concrete slurry dumped on the ground needed to be cleaned up. A rock check at the end of the diversion ditch just before the temporary slope drain leading into the first basin needed to be maintained. Both sediment basins needed to be mucked out, have baffles replaced and re-stabilized. Ground cover was established on lots that were not being built on yet and the large stockpile at the back corner of the site. Smaller stockpiles throughout the site needed ground cover and silt fence installed around the toe. The builders were tracking mud onto the road from the active lots, construction entrances should be installed active lots to prevent sediment from moving down the road and over the limits of disturbance.

2. LIDL on South Church Street

This project consists of 4.70 acres disturbed for commercial development. The file for this project contained the approved plan, approval letter, calculations, a copy of the deed, the FRO form and past inspections. The plan was received on 11/17/2019 and was approved on 12/17/2019. The approved plan was adequate. This project was not started until the fall of 2020 and had received 3 inspections prior to our review. No NOVs or CPAs had been issued to this site. At the time of our inspection construction of the building was underway and the parking lot was being prepared for paving. The construction entrance appeared to be maintained and functioning properly. A diversion ditch had been installed to divert runoff

from the parking lot to the back corner of the site. A small check dam should be installed at the end of the ditch to prevent the runoff from overwhelming the silt fence outlet down grade and causing failure during future rains. The stockpile along the south end of the parking lot should have silt fence installed around the toe. The sediment basin was very well maintained. The banks of the basin either had vegetation established or had recently been seeded and mulched with straw. The approaches were well maintained with rip rap dissipater pads transitioning the diversions into the basin. The emergency spillway was well maintained with fresh stone. The baffles and skimmer outlet appeared to be installed and functioning properly.

3. Birkdale at MOTL

This project consists of 19.1 acres disturbed for residential development. The file for this project contained the approved plan, approval letter, calculations, a copy of the deed, the FRO form and past inspection reports. The plan was received on 10/29/2019 and was approved on 11/27/2019. This project was not started until the spring of 2020 and had received 7 inspections prior to our review. No NOV's or CPAs have been issued to this site. At the time of our inspection the road had been paved, ground cover had been established throughout the site and utilities were being installed. All disturbed area from the utilities installation will need to be re-stabilized and sediment on the street needs to be cleaned. A few curb inlets needed to have protections installed. The liner on the emergency spillway liner of the larger sediment basin had ripped and needed to be repaired. A series of three small sediment basins had been removed and excavated drop inlets with protection had been installed. The diversion ditches to the drop inlets had been stabilized with matting. Stockpiles toward the rear of the site needed to be stabilized, however the large stockpile along the road was covered with straw and had silt fence installed around the toe. Areas of downed silt fence around the perimeter of the site needed to be repaired.

Positive Findings:

During our review we found a few positive aspects about the City of Burlington's local erosion and sediment control program including:

- Preconstruction meetings are required by the City for all projects.
- The City encourages site specific construction sequencing and phasing on each plan.
- Regular monthly inspection reports are detailed regarding areas out of compliance and include photos and captions explaining corrective actions needed.
- The City provides references to the NCG01 permit process as well as the DEMLR NCG01 Fact Sheet with their approval letters.

Issues Noted and Required Actions:

During our review we found that the City of Burlington's local erosion and sediment control program had a few deficiencies including:

- A copy of the property deed was not kept in every project file.
- While monthly inspections are good, corrective actions taken since the previous inspection are not being documented.

The City shall implement the following changes to correct the deficiencies noted during our review:

- Documentation of land ownership must be obtained prior to approval of a plan. 15A NCAC 04B.0118(c). Retain a copy of the property deed in each project file.

- Corrective actions taken by the developer/contractor to address areas of non-compliance should be documented. Reports should note the positive actions that have been taken and if areas of non-compliance from the previous inspection continue to be out of compliance. Inspectors should either generate a report when follow up inspections are performed in between monthly inspections or inspectors should note when they see corrective actions taken on the following monthly inspections report. If the developer/contractor has not taken corrective actions the report should note the continued violations and the use of enforcement tools such as NOV's, stop work orders and local permit holds should be considered to bring the site into compliance.

Recommendations for Improvement:

DEMLR staff has also put together a list of recommendations, or option items, to improve the program:

- Request NPDES Plan sheets for Ground Stabilization and Materials Handling, and Inspection, Recordkeeping and Reporting to be included on plans prior to approval. Both sheets can be found on the NCDEQ Construction Stormwater Website.
- When continuing violations persist on a site and the use of enforcement tools are needed an NOV should be issued as well.
- Monitor and provide guidance for NPDES violations such as improper concrete washout and fuel containment on site during inspections. Note possible violations and refer to the DEQ Winston Salem Regional Office.
- Update all letters, inspection reports and your Local Ordinance to reflect the latest language and references to North Carolina Administrative Code, as the NCAC rules have recently been updated.

Conclusion:

During our review we found that the City of Burlington's Locally Delegated Erosion and Sediment Control Program had a few deficiencies that needed to be addressed. The City staff showed adequate knowledge and experience but needed guidance in a few areas.

Based on the review, staff recommends that the City of Burlington's Erosion and Sedimentation Control Program Continue Review for 3 months.

This report has been prepared based on the Review of the City of Burlington's Local Program conducted on 1/14/2021. This report will be presented to the Sedimentation Control Commission (SCC) on February 23, 2021.

Local Program Report to the SCC Town of Weddington, January 26, 2021

On January 26, 2021, personnel from the NCDEQ Land Quality Section, conducted a review of the Town of Weddington's Erosion and Sedimentation Control Program. The Town of Weddington was initially delegated by the commission on 2/20/2020. The Town has 5 staff that currently contribute 1 full time equivalent to the erosion control program. Plan reviews and inspections are contracted out to consultants. The Town requires a sediment and erosion control plan for sites greater than 1.0 acres in disturbance and a "Compliance Form" to be filled out when sites are disturbing less than 1 acre. This form lists the owner and contractor and makes them aware that minimum erosion control measures must be installed and maintained even though an erosion and sediment control plan is not required. During the 2020 calendar year the Town reviewed 2 plans and approved 1. In the same period the Town had performed 124 inspections, issued 3 NOVs and 1 CPA. The Town states that sites are inspected bi-weekly. Along with NOVs, the Town can hold building permits as an additional enforcement tool. The Town currently has a total of 7 active projects most of which were inherited from the DEMLR Mooresville Regional Office upon their delegation. During our review, we reviewed the 1 set of plans the Town had approved, this plan was found to be adequate. We inspected three different sites because the approved project had not started yet. We also reviewed one set of plans that had been submitted to the Town but had not been approved and noted items that would need to be revised before approving the plan.

The following is a summary of the projects that were reviewed:

1. 2913 Beulah Church Rd. (Plan Review Only):

This project consists of 2.31 acres disturbed for residential development. The project file contained the approved plan, the approval letter, a copy of the property deed, and the FRO form. This project was a single residence and did not require a sediment basin, diversion ditches or channels and therefore did not require calculations to be submitted. The plans were adequate however, were not approved within 30 days of receipt and a letter of consent between the financially responsible party and the landowner had not been obtained. This project had not started at the time of our review, so no inspections had been conducted.

2. Carrington (Site inspection only):

This project is a residential subdivision in all phases of construction. This project had not been issued an NOV or CPA at the time of our review. One section had been completed and stabilized; the sediment basin in this section was being converted to a permanent stormwater pond. The other sections were both in lot development and lot building. The active lots had construction dumpsters onsite, but construction debris and trash could be found throughout, and the construction entrances needed to be maintained. Silt fence was installed around the perimeter of the active lots but had been damaged or knocked down in several areas. A few of the drop inlet protections along the active lots needed to be maintained. This site had a central concrete washout, however, the lining had ripped and needed to be repaired. The large sediment basin in the west corner of the project had recently been cleaned out and sections of the baffles had been repaired. Tree protection zone fencing around the undisturbed area in the center of the project needed to be repaired in some sections that had fallen. Groundcover had been established on areas where grading had been completed.

3. Weddington Acres (Site inspection only):

This project is a residential subdivision that had completed grading. This project had not been issued an NOV or CPA at the time of our review. The roads had been paved and most of the site had been stabilized. Utilities had recently been installed and the areas disturbed during the installation needed to be re-stabilized. A few drop inlet protections needed fresh stone added. One area of the ditch line matting had been pulled up, damaged matting should be repaired or replaced. Wattles within the ditch line had also been pulled up and should be reinstalled. The area around the wetlands was well stabilized and protected with silt fence that appeared to be well maintained.

4. 4208 Antioch Church Road (Site inspection only):

This site is a single residence that had been cleared and grubbed without an approved plan. This project had not been issued an NOV and the Town was informed that one should be issued immediately. Upon discovering the site had been cleared the Town had halted any further development until an approved plan is obtained and had the owner install silt fence around the entire perimeter.

Positive Findings:

During our review we found a few positive aspects about the Town of Weddington's local erosion and sediment control program including:

- The Town is performing bi-weekly inspections on all sites.
- The Town requires a compliance form to be filled out with the contractor and landowner information, and minimal erosion control measures to be installed on site. This ensures that all land development projects, regardless of size, are aware of the responsibility to retain all erosion and sedimentation onsite.

Issues Noted and Required Actions:

During our review we found that the Town of Weddington's local erosion and sediment control program had a few deficiencies including:

- A plan review occurred outside the 30-day time frame given to review a plan and notify the applicant with a decision.
- A copy of the deed was not provided or requested for all projects before approval.
- A landowner-builder consent agreement was not obtained when the landowner and financially responsible party differ.
- Inspectors were not checking for self-inspection records while on-site.

The Town shall implement the following changes to correct the deficiencies noted during our review:

- Once a complete application is received, plans are to be reviewed, and the person submitting the plan notified that it has been approved, approved with modifications, or disapproved within 30 days of receipt of a new plan. G.S. 113A-61(b) and MOA Part III.C.1 & 3. When disapproving a plan, a formal disapproval letter should be sent out within 30-days of receiving the complete application. All review decision letters should acknowledge the date when the complete application or revised plan was received.

- Documentation of land ownership must be obtained prior to approval of a plan. 15A NCAC 04B.0118(c). A copy of the property deed should be kept on file with each project.
- Except for certain utility construction, if the applicant is not the owner of the land to be disturbed, the erosion and sediment control plan must include the landowner's written consent for the applicant to submit a plan to conduct the land-disturbing activity. G.S. 113A-54.1(a). A letter of consent/Landowner-Builder agreement letter should be obtained in all cases where the party conducting the land disturbance and the landowner differ.
- Inspectors should check that proper documentation is on-site or readily available. This includes self-inspection records, a copy of the approved plan, letter of approval, and the NCG01 Certificate of Coverage (if applicable). Self-inspections required pursuant to G.S. 113A-54.1(e) should be performed during or after each phase of the approved plan as well as for the initial installation or modification of any erosion and sedimentation control devices and practices described in an approved plan. 15A NCAC 04B.0121.

Recommendations for Improvement:

DEMLR staff has also put together a list of recommendations, or option items, to improve the program:

- Ensure that all construction sequence, erosion control notes and other language on plans are accurate and applicable to the Town of Weddington.
- Request NPDES Plan sheets for Ground Stabilization and Materials Handling, and Inspection, Recordkeeping and Reporting to be included on plans prior to approval. Both sheets can be found on the NCDEQ Construction Stormwater website.
- Monitor and provide guidance for NPDES violations such as improper concrete washout, litter, and fuel containment on site during inspections. Weekly and rain-event self-inspections are required by the NPDES Construction General Permit No. NCG010000 and should be accessible when on site during business hours. Note possible violations and refer to the DEQ Mooresville Regional Office.
- Update all letters, inspection reports and your Local Ordinance to reflect the latest language and references to North Carolina Administrative Code, as the NCAC rules and Model Ordinance have recently been updated.

Conclusion:

During our review we found that the Town of Weddington's Locally Delegated Erosion and Sediment Control Program had a few deficiencies that needed to be addressed. The program staff showed knowledge and experience in the erosion and sedimentation control field but needed additional guidance in a few areas.

Based on the review, staff is recommending that the Town of Weddington's Erosion and Sedimentation Control Program "Continue Review" for 6 months.

This report has been prepared based on the Review of the Town of Weddington's Local Program conducted on 1/26/2021. This report will be presented to the Sedimentation Control Commission (SCC) on February 23, 2021.

Local Program Report to the SCC **City of High Point, February 9, 2021**

On February 9, 2021, personnel from the NCDEQ, Land Quality Section, conducted a review of the City of High Point's Erosion and Sedimentation Control Program. The City of High Point was last reviewed on 11/30/2017. The City has 3 staff members that currently contribute 2 full time equivalents to the erosion control program. The City requires a sediment and erosion control plan for sites with a total land disturbance of 1.0 acre or more, any disturbance within Tier 1 or Tier 2 of a Critical Watershed Area, any site that will contain or drain to a water quality pond or retention structure, or is located on areas of highly erodible soil with a "k" factor greater than 0.36. During the 2020 calendar year, the City of High Point reviewed or re-reviewed 159 erosion and sediment control plans, approved 86 plans and disapproved 73 plans. In 2020 the City reported they had conducted 206 inspections, issued 9 NOVs, and 10 Stop Work Orders. The City currently has 83 open projects. The City does require a preconstruction meeting for all projects prior to the start of land disturbance. The City is currently working on updating their Local Ordinance per the recently approved Model Ordinance. During our review of the program, we reviewed four sets of plans, as well as inspected four job sites.

The following is a summary of the projects that were reviewed:

1. Rich Fork Heights

This project consists of 42.3 disturbed acres for residential development. The project file contained the approved plan, letter of approval, FRO Form, a copy of the property deed, calculations, and inspection reports. The plan was received on 7/22/2020 and was approved on 8/21/2020. The approved plans for this project were adequate. This project started in October of 2020 and no NOVs or CPAs have been issued to this site. Prior to our review this site had been inspected 4 times. This site was in both land clearing and land development phases. The back portion of the site was still in the process of clearing and grubbing. The large basin in the rear of the site had been installed and stabilized while the surrounding area is being cleared. The skimmer basins in the middle of the site appeared to be functioning properly. Inlet protections needed to be installed at slope drain inlets. A clean water diversion inlet was well protected with a rock doughnut, but the spoil pile adjacent the inlet needs to either be stabilized or removed. The City had required an additional sediment trap be installed in the back of the site to provide additional storage and prevent the silt fence outlets below from failing until the area could be graded and diversions could be installed to divert runoff to the larger basin. The construction entrance needed fresh stone added. A few lots had been brought to final grade and had been seeded and mulched with straw.

2. Joyce Commons SD

This project consists of 22.2 disturbed acres for residential development. The project file contained the approved plan, letter of approval, FRO form, calculations, inspection reports and a copy of the property deed. The plan was received on 5/3/2020 and was approved on 5/19/2020. The approved plan for this project was adequate. Prior to our review this site had been inspected 12 times. This site had been graded and utilities were being installed. The construction entrance needed to be maintained with fresh stone. Curb inlets had been installed with inlet protections. Some inlet protections needed to be maintained with fresh stone. The skimmer basins were installed and appeared to be functioning. The inlet pipes had riprap dissipation pads and the basin slopes were stabilized. The diversion swale across the roadbed needed to be regraded to drain water to the last inlets along the roadbed. The site had adequate ground cover on graded lots.

3. Falls Grove

This project consists of 23.0 disturbed acres for residential development. The project file contained the approved plan, letter of approval, FRO Form, calculations and a copy of the property deed. The plan was received on 11/23/2020 and was approved on 12/17/2020. The approved plan was adequate. This site had not received an inspection prior to our review. This site was still being cleared and grubbed. The construction entrance was still functioning properly and was not allowing mud to be tracked into the road, however it needed to be maintained with fresh stone. A rock check dam and sediment storage sump needed to be installed at the low end of the project and additional measures at the end of the outfall area should be considered to prevent offsite sediment damage. The skimmer basins and sediment traps had not yet been installed and natural debris from the clearing phase was still providing adequate groundcover.

4. Frito Lay Parking Lot Extension

This project consists of 2.06 disturbed acres for commercial development. The project file contained the approved plan, letter of approval, FRO Form, calculations, and a copy of the property deed. The FRO form had a representative of the company listed as the landowner and the City needed to get a revised FRO form listing the landowner information to match the property deed. A letter of consent between the Financially Responsible Party and the Landowner had been obtained. The plan was received on 5/18/2020 and was approved on 5/18/2020. The approved plan was adequate. Prior to our review this site had been inspected 1 time. This site had a well-maintained construction entrance. The skimmer basin had been installed and was well stabilized with matting. The geotextile fabric on the spillway of the basin needed to be re-stapled and secured back to the ground.

Positive Findings:

During our review we found a few positive aspects about the City of High Point's local erosion and sediment control program including:

- The program has stricter criteria than the State when requiring Erosion and Sedimentation Control Plans. They require plans regardless of acreage if any part of the tract is to contain or drain to a permanent stormwater quality device. Erosion control and stormwater staff communicate as to potential problems during grading.
- Letters of Approval contains language referring plan holders to the NCG01 permitting process and provides them with site data needed to complete the eNOI form.
- Transfer Approval Letters provide good instructions to the new plan holder including conditions of the transfer, notices as to the terms of plan approval, a new FR/O form, a copy of the plans to keep onsite, NPDES permit compliance, and instructions as to how to complete the eNOI.
- The City is in the process of updating their Local Ordinance per the recent North Carolina Administrative Code updates and the newly approved Model Ordinance.

Issues Noted and Required Actions:

During our review we found that the City of High Point's local erosion and sediment control program had a few deficiencies including:

- An individual representative was listed as the Landowner on the FRO Form and did not reflect the information on the property deed.

- The number of inspections being reported was low in comparison to the number of active projects and does not indicate a regular monthly inspection is being conducted on each site. This was noted during the last audit in 2017 as well.

The City shall implement the following changes to correct the deficiencies noted during our review:

- Landowner information on the FRO form should be accurate and reflect the information on the property deed.
- Regular inspections should be conducted, and reports generated monthly on all active sites.

Additional Recommendations for Improvement:

DEMLR staff has also put together a list of recommendations, or option items, to improve the program:

- The recent addition of an engineer to manage the program is commendable and will improve operations. However, it is highly suggested to employ additional staff to assist and distribute the workload of monitoring and enforcement of your program's active projects.
- Monitor and provide guidance for NPDES violations including but not limited to improper concrete washout and fuel containment on site during inspections. Note possible violations and refer to the DEMLR Winston-Salem Regional Office.
- City staff should continue to attend training opportunities and work towards certifications such as the upcoming DEMLR Local Program Workshop, NCDOT Erosion and Sedimentation Control certifications and other related seminars/courses.
- The City should continue to use paper inspection report forms until an electronic inspection report system can be implemented which will generate reports that show the violations committed, provide space for specific corrective actions, and provide comments to adequately instruct the party responsible for erosion control as to site compliance.

Conclusion:

During our review we found that the City of High Point's Locally Delegated Erosion and Sediment Control Program had a few deficiencies that needed to be addressed. Based on the review, staff recommends that the City of High Point's Erosion and Sedimentation Control Program "Continue Review" for 6 months.

This report has been prepared based on the Review of the City of High Point's Local Program conducted on 2/9/2021. This report will be presented to the Sedimentation Control Commission (SCC) on February 23, 2021.

Local Program Review Status

Once review of the site is complete, recap the entire review with the Local Program. If you need to confer with the Regional Office staff, do this before following up with the Local Program. Discuss with the Local Program the good things and not so good things about their local program. Let them know that you will be making a report to the Sedimentation Control Commission at the next commission meeting. Also let them know that staff makes a recommendation to continue delegation, place the Local Program on probation, revoke delegation, or continue the review until a later date. The latter should not be used except in cases where the program may be deficient in one area, but it is taking the necessary steps to bring the sites into compliance. These recommendations call for escalated levels of oversight as listed below:

Level 1 – Continue Delegation: No oversight is needed; overall, the program is successfully implementing their requirements.

Level 2 – Continue Delegation with Review: Periodic oversight and follow-up from our review is needed; DEQ, DEMLR staff will communicate more frequently with the local program on its requirements or may request documentation of program actions to review for adherence to the SPCA. This may include submittals of inspection reports, decision letters, or enforcement documents. The DEMLR may conduct a second in-person review(s) based on recommendations given from the first review.

Level 3 – Place on Probation: Frequent oversight and follow-up from our review is needed; DEMLR staff will communicate more frequently with the local program on its requirements or may request documentation of program actions to review for adherence to the SPCA. Plan reviews or inspections may be required to be conducted with assistance from DEMLR regional staff. Enforcement documents may be required to be reviewed by DEMLR central office staff prior to (or subsequent to, if time is of the essence) their delivery to the financially responsible party or his designee. The DEMLR will conduct a second in-person review(s) based on recommendations given from the first review.

Level 4 – Revoke Delegation: This recommendation would remove the authority of a local program to implement the requirements of the SPCA. Implementation, including enforcement, of the SPCA would fall under the jurisdiction of the DEQ or another local program.

Before you leave, make the Local Program aware of the recommendation that staff will be making to the Sedimentation Control Commission.

III. Information Items

- A. Ethics Training Reminder – Ms. LeToya Ogallo, Ethics Liaison
- B. Commission Technical Committee – Mr. Mark Taylor
- C. Land Quality Section Active Sediment Cases and Enforcement— Ms. Julie Coco
- D. Education Program Status Report — Ms. Rebecca Coppa
- E. Sediment Program Status Report — Ms. Julie Coco
- F. NCDOT Report – Ms. Julie Coco
- G. Land Quality Section Report — Mr. Toby Vinson
- H. Coronavirus Disease of 2019 (COVID-19) Status – Mr. Toby Vinson
- I. Civil Penalty Remissions Committee Update – Ms. Marion Deerhake
- J. Ad-hoc Committee Proposal – Mr. Hartwell Carson

Updated - Summary of Suggested Topics for the Commission's Technical Committee

Topics suggested by SCC Members:

- Topics related to rainfall/storm intensity/extreme weather events:
 - Are current sedimentation erosion control practices meeting state/local specific needs with increasing amounts and increased regularity of precipitation? For example, are the standards and BMPs for assessing 10 year return storm volumes, etc. and associated volumes appropriate now and/or into the future?
 - Are there correlations between BMP failures with increasing/repeated intensity events? Are there seasonality impacts?
 - How will projected increases in precipitation for NC/local areas across the state influence E&SC practices into the future?
- How are other south east states assessing and addressing legal requirements and changing needs in sedimentation and erosion control planning early in the design process?
- Potential applications of unmanned aerial vehicles (UAV) for monitoring and enforcement of SPCA.
- Looking at new products that may want to include in the Design Manual, example:
 - CRAFS – corrugated retention & filtration system
- Larger overarching discussion/brainstorming session of why there is still so much sediment pollution in our waterways. What the issues are, what tweaks can be made now to address the issues, and what the long range goals/plan should be.
- How effective requiring erosion control plans for sites under an acre would be, what local governments are doing and what's working for them.
- Are the current construction entrance requirements effective?
- Reducing plastics in erosion and sediment control products

Topics suggested by LQS Staff

- Design Manual Topics, example:
 - Seeding, and further incorporating native seeds
 - Adding Silt Fence Outlets, Silt Sack Curb Inlet Protection and Gravel Bag Curb Inlet Protection measures
- Updating E&SC Field Manual (last updated in 2003/04)
- Updating E&SC Inspectors Guide (hasn't been updated since it was published in 1992)

Summary of Suggested Topics for the Education Advisory Committee

Topics suggested by LQS Staff

- Create a high school curriculum (similar to or an accompaniment to NCDEQ-DWR's It's Our Water high school curriculum)
- Update & improve the Green Dozer Contractor modules in such a way that they can be put into an online learning management system so they can be offered as a self-paced course
- Create script for new E&SC Video Modules

Active Sediment Case Report as of February 8, 2021

Atty	Case#	Violator (Name of Case)	County	Date of Assessment	Penalty Assessment Amt	Final Amt Paid	Comments
	1920-001	David Drye Company, LLC	Mecklenburg	07-Aug-19	\$5,200.00		Penalty remission requested
	S5180	Caruso Land, LLC	Wake	22-Jul-19	\$5,000.00		Penalty remission requested
	TBD	Larry Ward	Wake	05-Nov-19	\$5,000.00		Penalty remission requested
CM	20-003	ZP No. 335, LLC/Zimmer Development Co./WCU	Jackson	23-Apr-20	\$26,915.45	\$36,375.45	Paid. Case closed.
CM	20-009	Caviness & Cates Building and Development Co.	Franklin	15-Apr-20	\$3,200.00	\$3,200.00	Paid. Case closed.
CM	20-010	Clearly Development, Inc.	Onslow	25-Mar-20	\$5,000.00	\$4,500.00	Settled. Case closed.
CM	20-011	Case Farms Processing, Inc.	Wayne	14-Aug-20	\$2,900.00	\$3,900.00	Settled.
CM	20-012	Case Farms Processing, Inc.	Wayne	14-Aug-20	\$1,000.00	--	Both cases settled together.
CM	20-013	ZP No. 335, LLC/Zimmer Development Co./WCU	Jackson	15-Jul-20	\$9,460.00	--	Both cases paid together.
CM	20-015	ZP No. 335, LLC/Zimmer Development Co./WCU	Jackson	05-Oct-20	\$82,250.00	\$82,250.00	Settled. Case closed.
CM	20-017	Tardiff Property	McDowell	N/A	N/A	N/A	Injunction issued 10/2 Consent Judgement issued 12/30/20
CM	20-019	G&H Hauling, LLC	Brunswick	30-Oct-20	\$25,000.00		Pending negotiation
CM	20-022	Blue Ridge Mountain Sky, LLC	Polk	16-Dec-20	\$25,000.00		Awaiting response from violator
CM	20-023	Blue Ridge Mountain Sky, LLC	Polk	N/A	N/A		Injunction filed 11/5/20 Hearing pending

N.C. SEDIMENTATION CONTROL COMMISSION ENFORCEMENT REPORT

by the OFFICE OF THE ATTORNEY GENERAL

2/8/2021

Status of Cases	4/30/2020	7/22/2020	10/16/2020	2/8/2021
1. LQS Drafting CPA	1	2	2	1
2. CPAs Out to Violator (30-day)	0	0	1	0
3. CPAs Out to Violator (60-day)	0	0	0	1
4. CPAs Prepared by LQS Under Review	2	0	2	1
5. CP Remission Requests Under Review	3	3	3	2
6. CP Remission Decisions	0	0	0	0
7. Cases Pending in OAH	1	4	4	2
8. Cases Awaiting Final Agency Decision	0	0	0	0
9. Cases Pending in General Courts of Justice				
a. Judicial Review	0	0	0	0
b. Injunctions	1	1	2	1
c. Pre-Judgement Collections	0	0	0	0
d. Post-Judgement Collections	0	0	0	0
e. Federal Cases	1	1	1	1
10. Cases in Bankruptcy Proceedings	0	0	0	0
11. *Cases where CPA Being Paid by Installment	0	0	0	0
12. Cases to be Closed	0	0	0	3
TOTALS:	9	11	15	12
Action Since Prior Quarterly Report:				
New Cases Received by AGO	1	3	4	2
Cases Closed by AGO	0	0	0	0

Education Program Status Report

Presentations/Exhibits

Participated in Moore Square Magnet Middle School's virtual Moore Square Locals Series which was in substitution to their normal in person Career Day. Filmed four videos using the Flipgrid app in response to their career prompt questions 12/8/2020.

Moderated all 10 of the 2020 E&SC Design Webinars; moderated the 11/18/20 and 1/20/21 WOW Stormwater Webinars; helped organize and moderate the Regional Sediment Plan Review Consistency Workshops for DEMLR employees on 12/2/20 and 12/9/20; organized and moderated the Lounge & Learn sessions for DEMLR employees with ACF Environmental on 12/7/20, 1/13/21, and 1/20/21.

Workshops

The 2020 E&SC Design workshops were replaced with a series of 10 free one hour weekly webinars run from the beginning of October through mid-December. These were planned in coordination with SE-IECA and NCSU Department of Crop and Soil Sciences. The webinar presentations averaged 300 attendees per presentation, with a range of 240-350 attending any given presentation.

The 2021 Local Program Workshop has been moved to a virtual format and is being planned in coordination with the Water Resources Research Institute (WRRI). The workshop is being planned for the week of April 19th and will be 4-days of half-day webinars focusing on regulatory updates, design review, inspection & enforcement, and case studies from local programs & program awards.

A Project WET workshop for DEMLR employees is being planned in coordination with the NC DWR water educator/NC Project WET coordinator Lauren Daniel. Project WET is a K-12 water curriculum for educators, and many of their activities can be used to support erosion & sedimentation, non-point source pollution, and stormwater education.

Contract Administration

A contract proposal between DEMLR and WRRI is currently being worked on. The contract will include support for the annual local program workshop webinar series. The proposed total cost of the 2021 Local Program Workshop contract amounts to \$7,441.

Updates

The E&SC website pages are continuously being updated as needed.

Volume 23 No. 2 of the Sediments Newsletter was published at the beginning of the year to DEMLR's website and to WRRI's Sediment Listserv. Thank you Dr. McLaughlin for submitting an article for this issue. If you have any suggestions or would like to write an article for future issues of the biannual Sediments newsletter, email the education specialist. The next edition will be published at the end of June.

LAND QUALITY REGIONAL PROGRAM MONTHLY ACTIVITY REPORT

State Total FY 2020-2021 through:

January

Activity	WIRO	WIRO	ARO	ARO	WARO	WARO	WSRO	WSRO	RRO	RRO	FRO	FRO	MRO	MRO	TOTALS
	Month	YTD	Month	YTD	Month	YTD	Month	YTD	Month	YTD	Month	YTD	Month	YTD	
C. Letters of Deficiency	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
D. Cases Referred for Enforcement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. Dam Safety	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. Letters of Deficiency	0	0	0	0	0	0	0	0	0	6	1	7	0	0	13
B. Enforcement Requests	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4. Stormwater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A. Notices of Violation (Total)	0	9	0	0	0	1	3	7	1	17	0	2	0	4	40
B. Notices of Deficiency (Total)	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2
C. NOVs to Repeat Violators	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
D. Cases Referred for Enforcement	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
LOCAL PROGRAMS															
1. Local Ordinance Reviews	0	0	0	0	0	0	1	18	0	3	0	0	1	1	22
2. Local Programs Aided (hours)	0	4	0	21	0	0	11	118	0	0	0	0	6	58	201
DREDGE & FILL APPLICATIONS	0	47	0	0	5	41	0	0	0	0	0	0	5	56	144
CUSTOMER SERVICE															
Technical Assistance (Aided Hours)	47	1421	3	22	168	1293	90	521	51	483	15	225	82	697	4662.18
Pre-Application Meetings	13	414	1	1	11	124	10	47	0	0	0	3	10	84	673

Monthly Activity Report

Activity Definitions

PLAN/APPLICATION REVIEW

1. **New Sedimentation Control Projects Rec'd** – The number of *complete* packages for a project that were received (FR/O form, plans, fee, landowner agreement and/or calculations, if either required). These are projects which have been assigned a new project identification number.
2. **New Sedimentation Plan Reviews** – The number of plan reviews that resulted in issuance of letters of approval and/or letters of disapproval (i.e., review > disapproval > resubmittal > approval = 2 reviews). It should not include preliminary or cursory reviews conducted by technicians that are followed by a detailed review by the ARE and/or RE. This number should be unique to the Project ID, and not to the reviewer.
3. **Sedimentation Plan EXPRESS Reviews** - Of the NEW plans that were reviewed, this item reflects the number of those that were express reviews. This number should always be equal to or less than the number reported under Item 2.
4. **New Sedimentation Plan Disapprovals** - Regular or express plans reviewed and disapproved for the first time. It should not include preliminary or cursory reviews conducted by technicians that are followed by a detailed review by the ARE and/or RE.
5. **Revised Sedimentation Plans Received** - Total number of previously reviewed regular and express plans received this month. It should not include preliminary or cursory reviews conducted by technicians. The same Project ID can be counted multiple times.
6. **Revised Sedimentation Plan Reviews** – Total number of regular and express plans revised and reviewed this month. It should not include preliminary or cursory reviews conducted by technicians. The same Project ID can be counted multiple times.
7. **Revised Sedimentation Plan Disapprovals** – Total number of **revised** regular or **revised** express plans reviewed that were disapproved. The same Project ID can be counted multiple times.
8. **Unreviewed E&SC Plans – End of Month** – The number of complete plans received for the month that have not yet been reviewed. This includes any plans received near the end of the month.

9. **E&SC Plan Reviews > 30 days** – The number of new projects that took more than 30 days from receipt to approve or disapprove. The goal is zero days.

10. **Revised Plan Reviews > 15 days** – Revisions to projects submitted that have not been reviewed within 15 days of receipt. The goal is zero days.

MONITORING

1. **Sedimentation Inspections (Total)** – The total number of inspections conducted under the sedimentation program. This number should always be greater than the sum of A through D. Two inspectors together looking at one project equals one inspection.
 - A. **Landfills** – Inspections conducted at landfill sites
 - B. **DOT Contract** – Inspections conducted on NCDOT projects under a contract (TIP Projects) and any supplemental agreements.
 - C. **DOT Force Account** – Inspections conducted on NCDOT projects under force accounts. These types of arrangements involve notices to contractors to perform extra or altered work not covered by the original contract or by supplemental agreements.
 - D. **Complaints** – Inspections conducted on behalf of citizen complaints. The number of contacts that require field review to determine necessary actions or applicability. Those occurrences that only require office telephone interpretation of the law, rules, and/or procedures are not to be included.

ENFORCEMENT

1. **Sedimentation**
 - A. **Notices of Violation (Total)** – The total number of notices issued under the sedimentation program. This includes first-time and repeat violators.
 - B. **NOVs to Repeat Violators** – Of the total above, this item represents the number of notices issued to repeat violators. This number should always be equal to or less than the number reported under Item A.
 - C. **Cases Referred for Enforcement** – The number of projects that have been issued case numbers (LQS-####-###).

LOCAL PROGRAMS

1. **Local Ordinance Reviews** – The total number of formal reviews of local programs that are reported to the Sedimentation Control Commission through the Raleigh Central Office.
2. **Local Programs Aided (hours)** – The total number of hours spent by staff in informal review of local programs and the total number of hours spent working with local programs on specific projects and program administration (i.e., plan reviews, site inspections, enforcement assistance, presentations, training, etc.)

North Carolina Department of Transportation Roadside Environmental Unit Erosion & Sedimentation / Stormwater Report

ICA

Immediate Corrective Action

This project does not comply with the North Carolina Erosion and Sedimentation Control laws. Immediate Corrective Action is needed to resolve the situation to full compliance with the Law: (T15A: 04B.0000).

Project Information

Inspection Date: 09/10/2020 **Evaluator:** Donald Pearson
Project #: 34552.3.5 **TIP #:** R-3825B **Contract #:**
Division #: 4 **County:** Johnston
Project Type: Contract **Engineer:** Smithfield Resident
Project Length: 4.60 **Disturbed Acres:** 0
River Basin: Neuse **HQW Zone:** NO **Trout Zone:** NO
Location Description: DP - NC 42 from East of Glen Laurel Road to Buffalo Road

Project Evaluation

Report Type: Routine ICA ICA Ex 1st ICA Ex 2nd CICA - SWO
 PCN ECPAR

Length	Section	Installation of BMPs	Maintenance of BMPs	Effectiveness of BMPs	Plan Implementation	Overall Project Evaluation
3.6	Sta:153+/- to End	7	6	6	7	6
1.0	remainder of Project	--	--	--	--	--

Grading Scale: 0 - 6 = Immediate Corrective Action Required, 7 = Fair, 8 = Good, 9 = Very Good, 10 = Excellent

ICA Comments:

Project is being issued an ICA for failure to adequately install and maintain EC measures throughout project limits. A follow up review will be conducted on September 16.

Remarks and Recommendations:

Met with Ryan, Alex, Dustin, Jeff, Chis, Wayne, Dock, and Donnie either yesterday or today to discuss project condition. Review of project began yesterday and continued today. I did not review entire project as items discovered warranted an ICA prior to finishing the review. Recommend items listed below as well as any outstanding items noted on NPDES inspection records or those identified by project inspectors be completed before September 16, 2020.

I did not review NPDES inspection documents but encourage Resident Engineer's office review with contractor to see if the SDO locations are being properly inspected and documented.

All items listed below should be considered URGENT or High priority.

L-line Sta:153+/- to End

Rt:153+/- to Driveway is eroding significantly - grade to manage runoff properly so intermediate EC measures can be installed.

Rt:154+/- has poorly installed Type A Rock Silt Check below driveway pipe - needs proper width and weir section.

Rt:154+/- Maintain rock checks below slope drain

Basin ID 15.1 is full of sediment and has been for a while considering the vegetation growing in the accumulated sediment. Skimmer head is almost completely buried in sediment. Rebuild this device as needed.

Special Sediment Control Fence outlet below this basin has failed releasing stone and sediment into permitted area. Repair and cleanup material.

Cleanout skimmer Basin sta:167+/-

Complete basin cleanout sta:168+/- and replace stone.

Significance silt loss has occurred Rt:168+/- adjacent to stream in buffer. Crews are actively cleaning it up.

Recommend talking to Chad Coggins about cleanup and whether additional material needs recovered.

Remove sandbags and geotextile lost into the stream at culvert outlet.

Remove contaminated rock in ditch Rt:168+/- and consider small basin as needed.

Clean out Basin ID 16.1

Basin ID 16.3 still has orifice plug still zip tied to the side of the skimmer head. Please install orifice and clean up accumulated silt near weir section of basin.

Repair and or reset geotextile lined ditch line about 174+/- to 180+/-

Need construction pad Rt:172+/- where vehicles are tracking dirt onto roadway.

Rt:173+/- has area between fill slope and berm for neighborhood funneling sediment from our project onto private property. Recover sediment as needed and install a Type A Rock Silt Check. Crews providing temporary groundcover today.

Lt:188+/- has sag in topo and significant sediment has built up on silt fence - maintain and install rock outlet as needed.

Groundcover needed on raw areas Lt: 190-195+/-

Maintain rock checks Rt:185-190+/- and grade roadbed to drain to these devices.

Rebuild tiered skimmer Basin ID 18.3.

Rebuild Type A Rock Inlet Protection on pipe Rt:201+50 and recover lost sediment at edge of pond on outlet end of pipe.

Reset turbidity curtain in pond Lt:202+/-

CWD Lt:223+/- to 229+/- is intended to keep clean off site water separate from runoff generated on project limits. Extend and stabilize area below CWD as needed.

Basin ID 21.2 was not built correctly. Orifice plug is still zip tied to the side of the skimmer head, the geotextile was not trenched in, there has not been sealant placed around barrel pipe through geotextile and berm, and no coir fiber matting has been placed at outlet.

Pursue groundcover on raw area Lt:230+/-

Basin ID 21.2 was not built correctly. Orifice plug is still zip tied to the side of the skimmer head, the geotextile was not trenched in, there are seams in layers of geotextile on front side of weir, and there isnt any sealant around barrel pipe through berm and weir.

Loose fill is being pushed into wetland area Rt:230+/- increasing risk as there is only a PIST A protecting existing 24-inch pipe which discharges into a pond off the ROW. Spoke to Dustin and Chis on site about options for containment and runoff management.

Scour is developing around Basin ID 21.5 and Basin ID 22.1.

Existing pipe outlet Rt:243+50- is causing erosion issues around Basin ID 22.1. Is this discharge from offsite?

If so, can the water be routed through project via lined ditch?

Y11A

Need proper management of runoff from our project onto Y line and more specifically to drainage structures. Currently water is allowed to bypass the measures. Use sandbag berm, silt fence containment, etc... to capture and impound runoff. There is a fairly large section of ABC covered area available for some creative collection of runoff.

Borrow pit

Avoid vertical slopes. Groundcover required on unworked slopes steeper than 3:1 in 7 days. See EC plans sheet EC -03.

Waste pit

Waste material has been piled up within feet of overhead power lines. Safety issue? Approved reclamation plan indicated the height would be no more than 22 feet. Recommend checking that as the pit appears to be taller than that.

Replace rotten baffles in Basin. Expand use of PAM to help with turbidity in this basin. Also check the skimmer head to be sure it is not clogged. It should be actively draining today based on its elevation, but no water is

discharging.

Majority of this pit is raw and in need of completed slopes with permanent vegetation established. 7 Day time frame for raw unworked slopes steeper than 3:1 has likely been surpassed. Pursue proper stabilization.

Trucks are generating a lot of track out from this pit as well. Rebuild construction pad as needed and consider suspending hauling.

North Carolina Department of Transportation
 Roadside Environmental Unit
 Erosion & Sedimentation / Stormwater Report

ICA

Immediate Corrective Action

This project does not comply with the North Carolina Erosion and Sedimentation Control laws. Immediate Corrective Action is needed to resolve the situation to full compliance with the Law: (T15A: 04B.0000).

Project Information

Inspection Date: 10/28/2020 Evaluator: Reid Whitehead
 Project #: 46325.3.1 TIP #: R-5742 Contract #: C204291
 Division #: 14 County: Clay
 Project Type: Contract Engineer: Andrews Resident Engineer's Office
 Project Length: 3.90 Disturbed Acres: 2
 River Basin: Hiwassee HQW Zone: NO Trout Zone: NO
 Location Description: NC-175 from Georgia line to US-64

Project Evaluation

Report Type: Routine ICA ICA Ex 1st ICA Ex 2nd CICA - SWO
 PCN ECPAR

Length	Section	Installation of BMPs	Maintenance of BMPs	Effectiveness of BMPs	Plan Implementation	Overall Project Evaluation
0.05	Station 41+75 Rt.	6	6	6	6	6
0.1	Permitted Area(s)	8	8	8	8	8
3.6	Remainder of Project	8	8	8	8	8
0.1	Waste Area	9	8	8	9	8

Grading Scale: 0 - 6 = Immediate Corrective Action Required, 7 = Fair, 8 = Good, 9 = Very Good, 10 = Excellent

Remarks and Recommendations:

I met with Ronald Woods, Jamie Mintz and Nick Adams at the inlet culvert extension near the Ho Hum Campground approximately station 41+75 Rt.
 I spoke with Adam Dockery, Ted Adams and Mitchell Bishop by phone about this area. I left a phone message for Brian Burch.

The project had received 3/4 inches of rain when the inspectors arrived on the project the morning of 10/28/2020.
 It was still raining lightly when I arrived at the project and had stopped shortly before I reached the culvert.
 The project had received another 3/4 inches of rain during the morning.
 A NPDES inspection had not been done before I started my inspection.

Approximately Station 41+75 Rt. -
 When I reached the inlet culvert extension the EC measures and the stabilization were inadequate.
 The culvert barrel extensions and the new headwall have been installed.

Neither culvert barrel inlet had impervious dikes installed inside the culvert inlet. Water could flow freely from the unstabilized work area into both of the culvert barrel inlets. There is a diversion pipe emptying into the Southern culvert barrel. However the impervious dike at the diversion pipe inlet is not high enough to allow the diversion pipe to function at capacity. Also the impervious dike is not wide enough and high flow from the rain event is bypassing it on the Southern side of the dike and flowing through the work area. There is a disturbed ditch emptying into the work area from the North. The check dams on the EC plan had been removed for construction and not been reinstalled. The disturbed area on the Ho Hum campground side of the work area is unstabilized and runoff can flow into the work area. There is a 4 inch drain pipe from off project emptying into the work area.

I saw a small amount of turbidity in the lake below the culvert outlet when I reached the culvert. There is some sediment loss at the outlet of the culvert. Recommend getting Kevin Mitchell DEQ-WR to evaluate the site to determine removal needs.

Recommend installing impervious dikes around the diversion pipe outlet where it empties into the barrel pipe. Recommend installing an impervious dike across the inlet of the other culvert barrel pipe. Recommend raising and widening the impervious dike at the inlet of the diversion pipe so that it is not bypassed and so that the diversion pipe can flow at capacity. Recommend installing plastic or fabric in the work area from the diversion pipe inlet impervious dike through the work area to the diversion pipe outlet impervious dike. Recommend reinstalling the check dams shown in the EC plan in the ditchline emptying into the work area from the North. Recommend installing plastic or fabric on the unstabilized area on the Ho Hum campground side of the work area. Recommend temporary piping the 4 inch drain pipe into the Northern culvert barrel. Recommend temporary stabilizing any remaining disturbed areas.

Work on these recommendations is going to start this afternoon.

I will return inspect the project next week.

Please continue NPDES inspection reports.

WA-

Recommend stabilizing for the winter any areas on the WA that are not going to be disturbed before winter. Most likely all disturbed areas on the WA will eventually need to be stabilized to meet the NPDES cover requirement unless the weather is good enough to allow construction/grading to continue all winter.

Project-

Approximately L- station 23+00 Lt. recommend maintaining a short section of silt fence.

Approximately L- station 86+00 Rt. recommend maintenance of Temporary Rock Silt Check, Type A with PAM.

Approximately L- station 86+50 Rt. recommend repair of the watttle ditch check.

Approximately L- station 105+00 Rt. recommend reinstallation of the pipe inlet protection that was removed to mat the cutslope down to the ditch.

Approximately L- station 105+50 Rt. recommend adding additional 57 stone to the Type C drop inlet protection.

Approximately L- station 106+00 Rt. recommend adding additional 57 stone to the Type C drop inlet protection.

Approximately L- station 140+00 Rt. recommend rip rapping the modified driveway ditchline that is washing into the project ditch line. The ditch is to the North side of the driveway.

Approximately L- station 152+00 to 152+30 Lt. run-off has gone around the check on the roadside and washed a rill wash in the shoulder for 30 feet and then back inot the ditchline. Recommend lowering the middle of the check dam and repair of the rill wash.

Approximately L- station 152+00 to 156+50 Rt. recommend adding additional the outlets in the silt fence above the rip rap ditch line.
Recommend making the checks in the rip rap ditchline PAM measures per EC plan.

Approximately L- station 156+50 Rt. The coir fiber wattle outlet in the silt fence does not overlap the silt fence adequately. Recommend reinstallation of the coir fiber wattle outlet.

Approximately L- station 157+25 Lt. recommend maintenance of the silt fence.

Approximately L- station 199+50 Rt. recommend maintenance pipe inlet protection.

Grading is underway on sections of the project.

Perimeter and ditch line EC measures have been installed.

The waste area is in use and the perimater EC measures have been installed.

Please continue NPDES inspections once a week and within 24 hours of a 1.0 inch rainfall.

North Carolina Department of Transportation
 Roadside Environmental Unit
 Erosion & Sedimentation / Stormwater Report

ICA

Immediate Corrective Action

This project does not comply with the North Carolina Erosion and Sedimentation Control laws. Immediate Corrective Action is needed to resolve the situation to full compliance with the Law: (T15A: 04B.0000).

Project Information

Inspection Date: 11/04/2020 Evaluator: Aaron Harper
 Project #: 34542.3.6 TIP #: R-3421A&B Contract #: C204368
 Division #: 8 County: Richmond
 Project Type: Contract Engineer: Asheboro Resident
 Project Length: 7.20 Disturbed Acres:
 River Basin: Yadkin HQW Zone: NO Trout Zone: NO
 Location Description: I-73/74 From US-74 ByPass West of Rockingham at SR-1109(Zion Church Rd) to North of SR 1304(Harrington Rd)

Project Evaluation

Report Type: Routine ICA ICA Ex 1st ICA Ex 2nd CICA - SWO
 PCN ECPAR

Length	Section	Installation of BMPs	Maintenance of BMPs	Effectiveness of BMPs	Plan Implementation	Overall Project Evaluation
7.2	The Entire Project	7	8	8	7	6

Grading Scale: 0 - 6 = Immediate Corrective Action Required, 7 = Fair, 8 = Good, 9 = Very Good, 10 = Excellent

ICA Comments:

An ICA is being issued as documentation of impacts beyond the R/W without a Reclamation Plan. Land disturbing activity was noted along an existing soil drive through private property that was used for access for clearing and grubbing. I was notified that property owner permission has been obtained, however, an Environmental Evaluation and Erosion Control plan were not submitted.

I was notified after leaving the site that the contractor began dressing disturbed area the day of review in order to allow for permanent seeding.

I will return to the site on November 10th.

Remarks and Recommendations:

Project Remains Active at This Time

The review was conducted with Darren, Dalton, Patrick and Matt.

Progress:

-Culverts 3, 4, and 5A are predominantly complete. Channel improvements are currently underway between culvert 4 and culvert 5a as well as at the culvert 4 outlet and culvert 3 outlet.
 -Grading has progressed along -RPC- since previous review.

-Clearing has progressed on the R-3421B project since previous review. The seeding sub was on site at the time of review pursuing temporary groundcover vicinity -Y3- to approximate -L- Sta 147+/-.

-Cut operations are underway vicinity -FLY- Sta 18+/- to 23+/- . The temporary stream crossing remains in place vicinity -FLY- Sta 25+/-.

The Following Concerns were noted at the time of review:

- Recommend pursuing stabilization of the idle disturbed area on the existing cut slope vicinity -US 74- Sta 60+/- to -I-73- Sta 82+/- Rt.
- Recommend pursuing SF maintenance along the channel change between culverts 4 and 5a as well as above the head walls. Ensure per plan number of SSCF outlets are installed as well.
- Recommend pursuing finish grade and permanent stabilization of the slope above the culvert 4 headwalls as well as the culvert 5a headwall per ESA requirements.
- Recommend pursuing maintenance of the TRSC-As at the temporary stream crossing at the outlet of culvert 4.
- Efforts should be made to manage runoff per plans into basin A-157.
- Per plan, per spec ditch line measures should be installed in the berm ditch along -RPC-. Minimal measures were in place at the time of review.
- Recommend installing slope drains in the end of the berm ditch along -RPC- vicinity -RPC- Sta 31+/- Rt to manage runoff down the slope. Additionally TSDs and/or TDs, with ditch line measures need to be installed to manage runoff to basin A-186 per plans.
- Recommend pursuing stabilization of the idle slope vicinity -FLY- Sta 16+/- to 20+/- Rt to meet NCG01 stabilization timeframes.
- Noted temporary seeding and mulching took place in the cut section along -FLY- however it was not adequately tacked. Recommend re-mulching bare areas as needed and tacking with sufficient tack to hold straw in place.
- Recommend re-establishing secondary containment around the fuel tank vicinity -L- Sta 93+50 Lt. Contractor began addressing this item the day of review.
- Recommend adjusting the weir of basin A-153 to discharge per plans via a TRSC-A to the JS. At the time of review, this basin would discharge into the culvert work area.
- Recommend pursuing stabilization of the idle disturbed area along the haul road above basins A-159 and A-154 as these areas appear to be exceeding the NCG01 stabilization timeframes.
- Recommend stabilizing idle disturbed area within the NCG01 stabilization timeframes adjacent to basin A-152.
- Recommend installing additional outlets in the SF as noted on previous review vicinity -RPD- Sta 11+/- to 13+/- Lt.
- Matting and PAM should be utilized per plans and per spec at the ditch line measures draining to basin A-173 and A-175.
- Recommend installing baffles per spec in basin A-175.
- Recommend consulting with Art King to determine what needs to be done at the outlet of the pipe vicinity -I-73- Sta 109+/- Rt as this pipe will convey jurisdictional flow once completed.
- Recommend efforts are made to manage runoff to basin A-168A per plans.
- Recommend pursuing stabilization of idle disturbed area that remains from water line relocation at the end of the R-3421A project.

Waste Site #1:

-Matting and PAM should be utilized per plans and per spec throughout Waste Site #1.

Waste Site #3:

-Ensure waste is placed in accordance with the approved plan. At the time of review, it appeared that the site is near capacity.

-Ensure efforts are made to manage runoff to basins throughout the waste site in accordance with the approved plan. Matthew indicated slope drains were removed in the morning to allow for placement of waste and are re-installed at end of day.

Waste Site #4:

-Recommend pursuing stabilization of idle disturbed area as needed throughout the site to meet NCG01 stabilization timeframes.

-Recommend pursuing routine clean out and maintenance of ditch line measures throughout the site as needed.

Recommendations Moving Forward:

-Ensure diversions and TSDs are reinstalled daily and in advance of forecasted rains as clearing and grubbing and cut/fill operations progress.

-Recommend pursuing the early installation of EC devices as soon as construction allows per spec and per

plans.

- Pursue permanent vegetative groundcover as soon as construction allows. Any disturbed area which remains IDLE for greater than 7 or 14 days should be stabilized.

- Utilize slope drains to manage runoff down slopes. Ensure diversions/slope drains are re-installed daily as clearing and grubbing and grading progresses.

- In areas noted as Environmentally Sensitive Areas:

 - Ensure work progresses in a continuous manner to a state of stabilization per Project Special Provisions.

 - Ensure stage seeding is utilized as fill/cut operations progress per Project Special Provisions.

 - Ensure Grubbing is not performed until immediately prior to grading operations in any areas noted as an ESA per Project Special Provisions.

 - Ensure construction entrances are routinely maintained to prevent tracking onto the roadway.

 - NPDES Records were not reviewed. NPDES Record keeping should continue once every 7 days and within 24 hours of 1 inch or greater of rainfall in a 24 hour period until greater than 80% permanent vegetative cover is achieved throughout the project.

North Carolina Department of Transportation
 Roadside Environmental Unit
 Erosion & Sedimentation / Stormwater Report

ICA

Immediate Corrective Action

This project does not comply with the North Carolina Erosion and Sedimentation Control laws. Immediate Corrective Action is needed to resolve the situation to full compliance with the Law: (T15A: 04B.0000).

Project Information

Inspection Date: 11/13/2020 Evaluator: Reid Whitehead
 Project #: 36030.3.GV4 TIP #: I-4700 Contract #: C204266
 Division #: 13 County: Buncombe
 Project Type: Contract Engineer: Buncombe I-4700 I-26 Widening
 Project Length: 7.49 Disturbed Acres: 10
 River Basin: French Broad HQW Zone: NO Trout Zone: NO
 Location Description: I-26 from NC-280 (Exit 40) to I-40

Project Evaluation

Report Type: Routine ICA ICA Ex 1st ICA Ex 2nd CICA - SWO
 PCN ECPAR

Length	Section	Installation of BMPs	Maintenance of BMPs	Effectiveness of BMPs	Plan Implementation	Overall Project Evaluation
0.2	Permitted Area(s)	8	8	8	8	8
0.8	Remainder of Project	8	7	7	7	7
0.05	1066+00 Lt.	8	6	6	7	6

Grading Scale: 0 - 6 = Immediate Corrective Action Required, 7 = Fair, 8 = Good, 9 = Very Good, 10 = Excellent

Remarks and Recommendations:

Inspection was done on Tuesday 11/10, Thursday 11/12 & Friday 11/13.
 I spoke with Josh Johnson, Don Austin, Justin James and Luke Middleton during the inspection.

Approximately 1066+00 Lt.-

During the inspection on Friday 11/13 when I was inspecting on the Biltmore Access Rd. I met Luke Middleton and Josh Johnson. They showed me a stream that begins a short distance below the outlet of the existing crosspipe under I-26 at approximately 1066+00 Lt. This stream was running turbid water. This was approximately 400 feet below the crosspipe outlet. We walked to the crosspipe outlet. It was evident that the turbid water and some sediment had come from the outlet of the existing crosspipe. It was not running out of the crosspipe when we reached the outlet. We learned later that a temporary basin at the upper end of the I-26W access road from I-26W to the Blue Ridge Parkway had been filled in that morning to build a crane pad without the turbid water and any sediment being pumped out/removed first. I had inspected the inlet end of this crosspipe approximately 1066+75 Rt. at the end of the day on 11/12. On 11/12 the check dams along the access road needed repair, the small basin at the bottom this ditch needed cleanout, the check dams below this basin were completely full and needed cleanout. After inspecting the crosspipe outlet on 11/13 I returned to

the inlet of the crosspipe. Some partial repair had been done to the checkdams along the haul road. The small basin at the end of the ditch along the access road had been partially maintained. The check dams below this basin had not been maintained. I do not know if the partial maintenance had been done before or after the turbid water had been released.

Before filling in a basin it should be cleaned out/pumped out to another basin of sufficient size to hold the material or pumped out through a siltbag to a stable area. In this case there was not a stable area for a silt bag to empty into near the basin. Installing a new basin above the existing basin and pumping into it would have been a better choice.

Turbid and sediment laden run-off from a basin removal should never be allowed to leave the project through the existing measures.

Kevin Mitchell, DEQ-WR has been notified about the loss.

Recommend maintenance or repair of the check dams in the ditchline along the access road from I-26W to the Blue Ridge Parkway.

Recommend maintenance of the small basin at the bottom this ditchline.

Recommend maintenance of the check dams below the small basin.

Additional maintenance had been started before I finished the inspection on 11/13.

Recommend following Kevin Mitchell's recommendations for clean up along the small stream.

I will do a follow-up inspection the week of 11/16/2020.

NPDES inspections are being done.

General Note - Please make sure to install the PAM measures shown in the EC plan on the I-26 West side of the project as clearing and grubbing continues.

Please make sure to reinstall PAM measures shown in the EC plan on the I-26 E side of the project as the C&G PAM measures are removed and the Final EC plan measures are being installed.

General Note - PAM measures should not be the turnout measures. PAM laden sediment needs to be able to drop out in the EC measures on the project.

General note EC Measure Clean Out - When maintaining EC measures recommend not placing the cleaned out material near the EC measures where it can wash back in. Recommend instead removing to an approved WA or protected stockpile.

General Note - When active grading is underway and an area on the project is transitioning from the C&G EC plan to the Final EC plan recommend checking the Final EC plan for EC measures and installing a similar number of measures as temporary EC measures even though these measures may need to be installed at the end of one day and removed the next day to continue grading.

General Note - recommend installing EC measures per detail and provision.

ACTION ITEMS - A 0.7 inch rain event had occurred between the inspections on 11/10 and 11/12 & 11/13.

Recommend that areas which have been previously temporary seeded where the millet cover crop is dead be temporary seeding again. I do not believe the dead millet cover will last thru the winter.

Tuesday 11-10-2020

Approximately L- station 931+75 to 932+25 Lt. recommend temporary stabilization of the disturbed areas.

Approximately L- station 942+80 Lt. recommend installation of a slope drain to catch the flow along the berm and take it to the bottom of the fillslope at this location rather than at the pipe outlet at station 943+00 Lt.

Approximately L- station 943+00 Lt. the pipe outlet that was buried has been partially uncovered. Recommend stabilization of the fillslope above the pipe outlet.

Recommend installation of perimeter silt fence below the fillslope and above the pipe outlet from approximately 942+75 to 943+30 Lt.

Approximately L- station 945+25 Lt. there is a rill wash starting in the fillslope. Recommend installation of a slope drain.

Approximately L- station 945+75 Lt. there is a rill wash starting in the fillslope. Recommend installation of a

slope drain.

Approximately L- station 946+75 Lt. there is a rill wash starting in the fillslope. Recommend installation of a slope drain.

Approximately L- station 947+50 Lt. there is a rill wash starting in the fillslope. Recommend installation of a slope drain.

Approximately L- station 959+00 Lt. there is a rill wash starting in the fillslope. Recommend installation of a slope drain.

Approximately L- station 960+00 Lt. there is a rill wash starting in the fillslope. Recommend installation of a slope drain.

Recommend maintenance of the perimeter silt fence.

Approximately L- station 962+70 Lt. recommend maintenance of a small section of silt fence.

Approximately L- station 968+00 to 969+00 Lt. recommend repair of the perimeter silt fence impacted by the building of the fillslope.

This item was on October's inspection report.

Approximately L- station 969+75 Lt. recommend temporary cover for the small stockpile.

Approximately L- station 971+00 to 973+00 Lt. recommend repair of the perimeter silt fence impacted by the building of the fillslope.

This item was on October's inspection report.

Approximately L- station 972+75 Lt. there is a rill wash starting in the fillslope. Recommend installation of a slope drain.

Approximately L- station 982+50 Lt. recommend minor maintenance of the perimeter silt fence.

Approximately L- station 984+50 to 985+30 Lt. recommend stabilization of the areas on the fillslope on both sides of the culvert disturbed during placement of additional rock at the culvert outlet.

Approximately L- station 1004+00 to 1006+00 Lt. recommend reshaping of the rock checks in the ditchline. The outer edges of the checks need additional stone and/or the middle of the checks need to be lowered.

Approximately L- station 1023+75 Lt. recommend extending the perimeter silt fence South along the haul road protect a small additional disturbance.

Approximately L- station 1027+00 Lt. recommend stabilization with coir matting on the either side of the silt fence on the Northern side of the culvert outlet.

Approximately L- station 1038+00 Lt. recommend sediment clean up at the wattle barrier.

Approximately L- station 1061+75 Lt. recommend installing a Silt Basin, Type B on the flat above the fabric lined ditchline.

Approximately L- station 1061+75 Lt. recommend installing a swale or berm from the haul road to the above Silt Basin, Type B.

Approximately L- station 1062+00 to 1069+00 Lt. recommend installation of additional ditch checks along the berm or toe of cutslope.

Approximately L- station 1066+00 to 1066+50 Lt. material cleaned out from drop inlets and check dams has been spreadout on the cutslope. When cleaning out EC measures recommend removal of cleaned out material to a WA.

Approximately L- station 1067+00 Lt. a small amount of material has been pushed over the berm. Recommend stabilization.

Approximately L- station 1068+50 Lt. material cleaned out of the ditchline has been spreadout on the cutslope.

When cleaning out measures or ditchlines recommend removal of cleaned out material to a WA.

Approximately L- station 1072+50 to 1072+50 Lt. there is a remanant of the access road from I-26E to the Blue Ridge Parkway between the wall construction on the bottom slope and the new sheet piles at the endbent construction. Recommend removal of this remnant road and stabilization after removal or maintenance of the existing ditchline measures and stabilization of the cutslope, ditchline and roadbed.

Approximately L- station 1095+50 to 1097+50 Lt. preparation for construction of a new wall is underway. This includes the construction of an access road that has resulted in partial fill-in of skimmer basin 24.3C. Eventually wall construction will fill this basin in completely. Recommend installing a ditchline with EC measures to the outside of skimmer basin and restabilizing the I-26E side of the skimmer basin.

Approximately L- station 1097+00 Lt. recommend repair of the skimmer in the skimmer basin.

Approximately L- station 1097+50 to 1099+00 Lt. preparation for construction of a new wall is underway. This includes the construction of an access road. Recommend stabilization of the outside fillslope of the new access road.

Approximately L- station 1098+75 Lt. recommend installation of a slope drain to dewater the new access road lowpoint.

Approximately L- station 1105+00 to 1124+00 Lt. recommend temporary cover for the roadbed to meet the NPDES cover requirement.

Approximately L- station 1105+50 to 1106+50 Lt. recommend maintenance of the check dams in the lateral base ditch.

Approximately L- station 1105+00 to 1115+00 Lt. recommend maintenance of check dams at the toe of the cutslope along the roadbed.
Recommend lowering the middle of these check dams.

Approximately L- station 1114+50 Lt. recommend maintenance drop inlet protection.

Approximately L- station 1115+00 to 1124+00 Lt. recommend reinstallation of the checkdams at the toe of the cutslope along the roadbed.

Thursday 11-12-2020

Approximately L- station 865+50 Rt. recommend repair of the outlet of the CWD. The fabric has undermined slightly and the clean water can flow through the outlet of the ditch below skimmer basin 6.1B.

Approximately L- station 871+00 Rt. recommend repair of the ditch check. It is being bypassed on the I-26W side of the check.

Approximately L- station 875+00 Rt. recommend maintenance of the pipe inlet protection.

Approximately L- station 887+20 Rt. there is a wash in the fillslope beside the existing slope drain. Recommend repair of the wash, lowering of the rock stabilized inlet of the existing slope drain, maintenance of the outlet measures below the slope drain and temporary stabilization of the disturbed area.

Approximately L- station 887+70 to 888+50 Rt. recommend installation of the PAM check dams in the swale that empties at the special sediment control fence outlet above the new culvert inlet.

Approximately L- station 891+00 Med. recommend removal and reinstallation of the drop inlet protection.

Approximately L- station 891+00 to 898+00 Med. the swale in the median has washed. Recommend repair of the washes in the bottom of the swale and installation of temporary checks.
Recommend having temporary checks installed before forecast rain events.

Approximately L- station 897+00 Rt. recommend removal of sediment from the ditchline.
Recommend repair of the berm along the access road halfway up on the cutslope where a break in the berm has occurred.

Approximately L- station 899+00 Rt. recommend removal of sediment from the ditchline.
Recommend repair of the berm along the access road halfway up on the cutslope where a break in the berm has occurred.

Approximately L- station 902+00 to 909+50 Med./Rt. recommend stabilization of the temporary ditchline flowing between the drop inlets and installation of temporary checks between the drop inlets.

Approximately L- station 912+25 Med./Lt. recommend maintenance of the slope drain inlet protection.

Approximately L- station 913+00 to 914+00 Lt./ Y14- station 13+25 Lt. (access road off Glenn Bridge Rd. paralleling I-26E.
Recommend stabilization of the bare areas between the access road and I-26E.

Approximately L- station 922+60 Med. recommend installing the PAM measure shown in the EC plan at the inlet of Silt Basin, Type B 10.2B.

Approximately L- station 923+50 Med. recommend removal and reinstallation of drop inlet protection.

Approximately L- station 924+80 Med. recommend installing the PAM measure shown in the EC plan at the inlet of Silt Basin, Type B 10.3C.

Approximately L- station 930+75 Med. recommend installing the PAM measure shown in the EC plan at the inlet of Silt Basin, Type B 11.2B.

Approximately L- station 933+25 Med. recommend installing the PAM measure shown in the EC plan at the inlet of Silt Basin, Type B 11.3B.

Approximately L- station 940+00 Med. recommend installing Silt Basin, Type B 12.1B and the PAM measure shown in the EC plan at the basin inlet.

Approximately L- station 941+00 Med. recommend installing Silt Basin, Type B 12.2C and the PAM measure shown in the EC plan at the basin inlet.

Approximately L- station 947+10 Med. recommend installing the ditch check shown in the EC plan in the ditch line above the drop inlet protection.

Approximately L- station 947+80 Med. recommend installing the ditch check shown in the EC plan in the ditch line above the drop inlet protection.

Approximately L- station 951+80 Med. recommend installing the ditch check shown in the EC plan in the ditch line above the drop inlet.

Approximately L- station 952+00 Med. recommend installing the drop inlet protection shown in the EC plan.

Approximately L- station 952+20 Med. recommend installing the ditch check shown in the EC plan in the ditch line above the drop inlet.

Approximately L- station 956+00 to 964+00 Med. recommend installing the PAM ditch checks shown in the EC plan.

Approximately L- station 954+00 Rt. recommend maintenance of the special sediment control fence outlet in the silt fence below the skimmer basin.

Approximately L- station 955+50 Rt. recommend installing a diversion to the skimmer basin inlet.

Approximately L- station 955+80 to 956+00 Rt. recommend matting the berm above the skimmer basin.

Approximately L- station 956+00 to 957+00 Rt. recommend maintenance of wattles in the swale.

Approximately L- station 980+50 to 981+75 Rt. recommend lowering the middle of the check dams and making the checks PAM measures per EC plan.

Approximately L- station 982+25 Rt. recommend repairing the rill wash in the fillslope above the Silt Basin,

Type B.

Approximately L- station 984+00 Rt. Duke Power is letting water out of the dam. This flow has overwhelmed the impervious dike and water is flowing through the work area.

Recommend notifying Kevin Mitchell, DEQ-WR. This is already planned.

Recommend repair any damage once the water recedes.

Recommend installing the rip rap bank protection on the Northern bank in case this happens again. This work is already planned.

Approximately L- station 986+00 987+00 Rt. recommend temporary stabilization of the disturbed area above the staging area.

This item was on October's inspection report.

Approximately Y15RPC- station 11+50 to 15+00 Rt. recommend installing the PAM measures shown in the EC plan.

Approximately Y15RPC- station 16+00 Rt. recommend installing the Earthen Dam with Skimmer shown in the EC plan.

Approximately Y13RPB- station 17+50 Lt. recommend installation of skimmer basin 4.3B.

Approximately L- station 841+25 Lt. recommend installing the drop inlet protection shown in the EC plan on the existing drop inlet.

Approximately L- station 849+00 Lt. pipework has been done above the existing drop inlet at the edge of I-26E. This drop inlet has been blocked with plywood. Recommend installing an inlet protection so the inlet can function since the paved ditch from the North empties into the inlet.

Approximately L- station 859+00 Lt. recommend installation of tiered skimmer basin 5.1B.

Approximately L- station 859+70 Lt. recommend stabilization of the area disturbed during the pipe installation. This item was on October's inspection report.

Approximately L- station 859+70 Lt. recommend maintenance of the outlet in the silt fence.

Approximately L- station 862+75 Lt. recommend stabilization of the area disturbed during the pipe installation.

Approximately L- station 866+00 to 867+00 Lt. recommend stabilization of the areas disturbed during pipe and culvert installation.

Some of this area was on October's inspection report.

Approximately L- station 866+50 Lt. sheet flow across disturbed area has completely filled up a special sediment control fence outlet. A small amount of material less than a 5 gallon bucket full has deposited beyond the silt fence.

Recommend clean up of the lost material and maintenance/widening the special sediment control fence outlet in the silt fence.

Approximately L- station 875+50 Lt. fill material has been added to the I-26 side of the upper Silt Basin, Type B of Skimmer Basin 7.1B. Recommend stabilization of the side of the basin and repair of the baffle.

This item was on October's inspection report.

Approximately L- station 877+40 Lt. recommend stabilization of the area disturbed during the pipe installation. This item was on October's inspection report.

Approximately L- station 885+50 Lt. recommend installation of an additional Silt Basin, Type B that can be maintained more easily than tiered skimmer basin 8.1B which is below the retaining wall.

Approximately L- station 886+50 to 888+50 tiered skimmer basin 8.1B has been partially filled in to install a temporary wall for the temporary lane of I-26E. Recommend stabilization of the I-26E sides of the basins of the tiered skimmer basin.

Recommend maintenance of the basins.

Approximately L- station 889+50 Lt. recommend installation of skimmer basin 8.2B.

Approximately L- station 1128+75 Lt. recommend repair of the wash through the berm into the lateral base ditch.

Approximately L- station 1129+00 to 1130+00 Lt. recommend maintenance of the ditch checks in the lateral base ditch.

Approximately L- station 1129+00 to 1135+00 Lt. all the check dams along the berm and slope drain inlets are being bypassed. Recommend lowering the middle of the checks and adding wings to the slope drain inlet protections to make these measures function as designed.

Approximately L- station 1138+75 1140+00 Lt. recommend installation of PAM checks in the rip rap ditchline.

Approximately L- station 1153+75 Lt. recommend installation of a drop inlet protection on the drop inlet in place of the safety fence.

Friday 11-13-2020

Approximately L- station 1050+60 Rt. Recommend installation of a slope drain inlet protection.

Approximately L- station 1051+00 Lt. Recommend stabilization of the inlet of the Silt Basin, Type B of Tierred Skimmer Basin 20.3B.

Approximately L- station 1055+00 Lt. Maintenance of the Tierred Skimmer basin 21.2B was underway during the inspection.

Approximately L- station 1171+90 Lt. the fillslope of the haul road above skimmer basin 29.1B has sluffed off. Recommend stabilization with stone.
Recommend skimmer basin maintenance.

Approximately L- station 1174+00 to 1175+00 Lt. the checks in the ditchline have been removed and replaced. Recommend lowering the middle of the checks.
Recommend stabilizing the cutslope above the haul road.

Approximately L- station 1181+00 Rt. Recommend maintenance of the perimeter silt fence and repair of the sluffed area on the fillslope above the silt fence.

Approximately L- station 1183+25 to 1194+00 Lt. the ditchline and ditch backslope have been disturbed. Recommend installing temporary ditch checks.
Recommend having temporary checks installed before forecast rain events.

Approximately L- station 1195+50 to 1198+00 Lt. grading is underway on the fillslope to prepare for retaining wall installation. Recommend reinstalling perimeter silt fence.

Approximately L- station 1201+00 Lt. material cleaned out of an EC measure has been placed on the shoulder. Recommend removal to a WA.

Approximately L- station 1202+00 Lt. material cleaned out of an EC measure has been placed on the shoulder. Recommend removal to a WA.

Approximately L- station 1204+00 Lt. material cleaned out of an EC measure has been placed on the berm. Recommend removal to a WA.

Approximately L- station 1204+90 Lt. material cleaned out of an EC measure has been placed on the berm. Recommend removal to a WA.

Approximately L- station 1210+00 Lt. material cleaned out of an EC measure has been placed on the cutslope. Recommend removal to a WA.

Approximately L- station 1212+00 Lt. recommend lowering the middle of the check dam.

Approximately L- station 1216+25 to 1217+25 Lt. recommend converting the ditch checks in the rip rap ditchline to PAM measures per EC plan.

Approximately L- station 1218+00 to 1222+00 Lt. matting of the berm ditch was underway.

Approximately L- station 1225+00 Lt. recommend repairing the sluffed areas on the cutslope.

Blue Ridge Parkway

Approximately BRP station 504+50 Rt. recommend maintenance of the slope drain inlet protection.

Approximately BRP station 505+00 Rt. recommend maintenance of the skimmer basin.

Approximately BRP station 520+50 Rt. recommend maintenance of the silt fence and repair of the wash on the cutslope above the silt fence.

Approximately BRP station 525+60 Rt. the skimmer does not appear to be functioning. Recommend checking for blockage in the skimmer.

Clearing and grubbing are on hold.

General Comments:

As work continues, contractor should continue efforts to install and maintain erosion control devices in a timely manner, as per specification, and as per erosion control plans.

Groundcover should be provided to any areas that will remain idle for 7 or 14 days or more, including stockpiles and waste areas.

Continue NPDES inspections weekly and within 24 hours after a 0.5 inch or greater rain event.

Please continue NPDES inspections daily at the French Broad River.

Urgent items should be completed within 24 hours after any storm event or as soon as conditions allow.

North Carolina Department of Transportation
Roadside Environmental Unit
Erosion & Sedimentation / Stormwater Report

ICA

Immediate Corrective Action

This project does not comply with the North Carolina Erosion and Sedimentation Control laws. Immediate Corrective Action is needed to resolve the situation to full compliance with the Law: (T15A: 04B.0000).

Project Information

Inspection Date: 09/10/2020 Evaluator: Donald Pearson
 Project #: 34552.3.5 TIP #: R-3825B Contract #:
 Division #: 4 County: Johnston
 Project Type: Contract Engineer: Smithfield Resident
 Project Length: 4.60 Disturbed Acres: 0
 River Basin: Neuse HQW Zone: NO Trout Zone: NO
 Location Description: DP - NC 42 from East of Glen Laurel Road to Buffalo Road

Project Evaluation

Report Type: Routine ICA ICA Ex 1st ICA Ex 2nd CICA - SWO
 PCN ECPAR

Length	Section	Installation of BMPs	Maintenance of BMPs	Effectiveness of BMPs	Plan Implementation	Overall Project Evaluation
3.6	Sta:153+/- to End	7	6	6	7	6
1.0	remainder of Project	--	--	--	--	--

Grading Scale: 0 - 6 = Immediate Corrective Action Required, 7 = Fair, 8 = Good, 9 = Very Good, 10 = Excellent

ICA Comments:

Project is being issued an ICA for failure to adequately install and maintain EC measures throughout project limits. A follow up review will be conducted on September 16.

Remarks and Recommendations:

Met with Ryan, Alex, Dustin, Jeff, Chis, Wayne, Dock, and Donnie either yesterday or today to discuss project condition. Review of project began yesterday and continued today. I did not review entire project as items discovered warranted an ICA prior to finishing the review. Recommend items listed below as well as any outstanding items noted on NPDES inspection records or those identified by project inspectors be completed before September 16, 2020.

I did not review NPDES inspection documents but encourage Resident Engineer's office review with contractor to see if the SDO locations are being properly inspected and documented.

All items listed below should be considered URGENT or High priority.

L-line Sta:153+/- to End

Rt:153+/- to Driveway is eroding significantly - grade to manage runoff properly so intermediate EC measures can be installed.

Rt:154+/- has poorly installed Type A Rock Silt Check below driveway pipe - needs proper width and weir section.

Rt:154+/- Maintain rock checks below slope drain

Basin ID 15.1 is full of sediment and has been for a while considering the vegetation growing in the accumulated sediment. Skimmer head is almost completely buried in sediment. Rebuild this device as needed.

Special Sediment Control Fence outlet below this basin has failed releasing stone and sediment into permitted area. Repair and cleanup material.

Cleanout skimmer Basin sta:167+/-

Complete basin cleanout sta:168+/- and replace stone.

Significance silt loss has occurred Rt:168+/- adjacent to stream in buffer. Crews are actively cleaning it up.

Recommend talking to Chad Coggins about cleanup and whether additional material needs recovered.

Remove sandbags and geotextile lost into the stream at culvert outlet.

Remove contaminated rock in ditch Rt:168+/- and consider small basin as needed.

Clean out Basin ID 16.1

Basin ID 16.3 still has orifice plug still zip tied to the side of the skimmer head. Please install orifice and clean up accumulated silt near weir section of basin.

Repair and or reset geotextile lined ditch line about 174+/- to 180+/-

Need construction pad Rt:172+/- where vehicles are tracking dirt onto roadway.

Rt:173+/- has area between fill slope and berm for neighborhood funneling sediment from our project onto private property. Recover sediment as needed and install a Type A Rock Silt Check. Crews providing temporary groundcover today.

Lt:188+/- has sag in topo and significant sediment has built up on silt fence - maintain and install rock outlet as needed.

Groundcover needed on raw areas Lt: 190-195+/-

Maintain rock checks Rt:185-190+/- and grade roadbed to drain to these devices.

Rebuild tiered skimmer Basin ID 18.3.

Rebuild Type A Rock Inlet Protection on pipe Rt:201+50 and recover lost sediment at edge of pond on outlet end of pipe.

Reset turbidity curtain in pond Lt:202+/-

CWD Lt:223+/- to 229+/- is intended to keep clean off site water separate from runoff generated on project limits. Extend and stabilize area below CWD as needed.

Basin ID 21.2 was not built correctly. Orifice plug is still zip tied to the side of the skimmer head, the geotextile was not trenched in, there has not been sealant placed around barrel pipe through geotextile and berm, and no coir fiber matting has been placed at outlet.

Pursue groundcover on raw area Lt:230+/-

Basin ID 21.2 was not built correctly. Orifice plug is still zip tied to the side of the skimmer head, the geotextile was not trenched in, there are seams in layers of geotextile on front side of weir, and there isnt any sealant around barrel pipe through berm and weir.

Loose fill is being pushed into wetland area Rt:230+/- increasing risk as there is only a PIST A protecting existing 24-inch pipe which discharges into a pond off the ROW. Spoke to Dustin and Chis on site about options for containment and runoff management.

Scour is developing around Basin ID 21.5 and Basin ID 22.1.

Existing pipe outlet Rt:243+50- is causing erosion issues around Basin ID 22.1. Is this discharge from offsite?

If so, can the water be routed through project via lined ditch?

Y11A

Need proper management of runoff from our project onto Y line and more specifically to drainage structures.

Currently water is allowed to bypass the measures. Use sandbag berm, silt fence containment, etc... to capture and impound runoff. There is a fairly large section of ABC covered area available for some creative collection of runoff.

Borrow pit

Avoid vertical slopes. Groundcover required on unworked slopes steeper than 3:1 in 7 days. See EC plans sheet EC -03.

Waste pit

Waste material has been piled up within feet of overhead power lines. Safety issue? Approved reclamation plan indicated the height would be no more than 22 feet. Recommend checking that as the pit appears to be taller than that.

Replace rotten baffles in Basin. Expand use of PAM to help with turbidity in this basin. Also check the skimmer head to be sure it is not clogged. It should be actively draining today based on its elevation, but no water is

discharging.

Majority of this pit is raw and in need of completed slopes with permanent vegetation established. 7 Day time frame for raw unworked slopes steeper than 3:1 has likely been surpassed. Pursue proper stabilization.

Trucks are generating a lot of track out from this pit as well. Rebuild construction pad as needed and consider suspending hauling.

North Carolina Department of Transportation
 Roadside Environmental Unit
 Erosion & Sedimentation / Stormwater Report



Project Information

Inspection Date: 11/02/2020 Evaluator: Reid Whitehead
 Project #: 46325.3.1 TIP #: R-5742 Contract #: C204291
 Division #: 14 County: Clay
 Project Type: Contract Engineer: Andrews Resident Engineer's Office
 Project Length: 3.90 Disturbed Acres: 2
 River Basin: Hiwassee HQW Zone: NO Trout Zone: NO
 Location: NC-175 from Georgia line to US-64
 Description:

Project Evaluation

Report Type: Routine ICA ICA Ex 1st ICA Ex 2nd CICA - SWO
 PCN ECPAR

Length	Section	Installation of BMPs	Maintenance of BMPs	Effectiveness of BMPs	Plan Implementation	Overall Project Evaluation
0.05	Station 41+75 Rt.	8	8	8	8	8
0.1	Permitted Area(s)	8	8	8	8	8
3.6	Remainder of Project	8	8	8	8	8
0.1	Waste Area	9	8	8	9	8

Grading Scale: 0 - 6 = Immediate Corrective Action Required, 7 = Fair, 8 = Good, 9 = Very Good, 10 = Excellent

Remarks and Recommendations:

Inspection was done with Kevin Mitchell DEQ-WR, Adam Dockery, Ronald Woods, Jamie Mintz and Nick Adams.

For the culvert extension near the Ho Hum Campground approximately station 41+75 Rt.

The Resident Engineer Adam Dockery had shut the project down until installation of EC measures was completed.

This work was completed by Oct. 30 and the project shut down was lifted.

The channel change at the inlet of the culvert extension has been completed.

The channel sides have been matted with coir fiber matting.

The ditchline enter the culvert from the North of the project is being rip rapped.

The ditch checks in the rip rap ditch will be installed before the the rip rap ditch is completed.

Perimeter silt fence has been installed.

The ICA is removed.

Recommend adding 2 additional small sections of coir matting to the new channel.

One at the inlet if the channel change on the South side of the channel.

The other is in the bottom of the ditchline emptying into the stream from the South.

Please continue NPDES inspection reports.

Project-

The majority of the previous comments for the project have been completed.

Approximately L- station 86+00 Rt. recommend maintenance of Temporary Rock Silt Check, Type A with PAM.

Approximately L- station 86+50 Rt. recommend repair of the watttle ditch check.

The above 2 items are scheduled for maintenance/repair today.

Approximately L- station 51+25 Lt. recommend additional stabilization.

Approximately L- station 55+50 Rt. recommend replacement of a short section of silt fence.

Approximately L- station 103+50 Rt. recommend maintenance of the Type C drop inlet protection.
Recommend stabilization of the cutslope above the Type C drop inlet protection.

Approximately L- station 140+00 Rt. the driveway ditchline has been ripped.
Recommend extending the rip rap 3 more feet.

WA-

Recommend stabilizing for the winter any areas on the WA that are not going to be disturbed before winter.
Most likely all disturbed areas on the WA will eventually need to be stabilized to meet the NPDES cover requirement unless the weather is good enough to allow construction/grading to continue all winter.

Grading is underway on sections of the project.

Perimeter and ditch line EC measures have been installed.

The waste area is in use and the perimeter EC measures have been installed.

Please continue NPDES inspections once a week and within 24 hours of a 1.0 inch rainfall.

North Carolina Department of Transportation Roadside Environmental Unit Erosion & Sedimentation / Stormwater Report



Project Information

Inspection Date: 11/10/2020 Evaluator: Aaron Harper
 Project #: 34542.3.6 TIP #: R-3421A&B Contract #: C204368
 Division #: 8 County: Richmond
 Project Type: Contract Engineer: Asheboro Resident
 Project Length: 7.20 Disturbed Acres:
 River Basin: Yadkin HQW Zone: NO Trout Zone: NO
 Location Description: I-73/74 From US-74 ByPass West of Rockingham at SR-1109(Zion Church Rd) to North of SR 1304(Harrington Rd)

Project Evaluation

Report Type: Routine ICA ICA Ex 1st ICA Ex 2nd CICA - SWO
 PCN ECPAR

Length	Section	Installation of BMPs	Maintenance of BMPs	Effectiveness of BMPs	Plan Implementation	Overall Project Evaluation
7.2	The Entire Project	--	--	--	--	--

Grading Scale: 0 - 6 = Immediate Corrective Action Required, 7 = Fair, 8 = Good, 9 = Very Good, 10 = Excellent

Remarks and Recommendations:

Project Remains Active at This Time

This review is to serve as a follow up to the ICA issued on November 4th 2020. I reviewed the impacts beyond the R/W with Darren Cranford, Dalton Britt, and John Partin. The remainder of the project was not reviewed.

The majority of the disturbed area along the existing soil drive has been dressed and seeded and mulched. Also, EC measures have been installed to provide containment. I was notified that the contractor will not be utilizing this area to access the project moving forward.

Recommendations:

- One minor disturbed area remains to be dressed and stabilized adjacent to the R/W.
- Ensure efforts are made to clearly delineate the R/W.
- Ensure any future land disturbing activity beyond the R/W is addressed via the Reclamation Plan Procedures in advance of impacts.

North Carolina Department of Transportation
 Roadside Environmental Unit
 Erosion & Sedimentation / Stormwater Report



Project Information

Inspection Date: 11/18/2020 Evaluator: Reid Whitehead
 Project #: 36030.3.GV4 TIP #: I-4700 Contract #: C204266
 Division #: 13 County: Buncombe
 Project Type: Contract Engineer: Buncombe I-4700 I-26 Widening
 Project Length: 7.49 Disturbed Acres: 10
 River Basin: French Broad HQW Zone: NO Trout Zone: NO
 Location Description: I-26 from NC-280 (Exit 40) to I-40

Project Evaluation

Report Type: Routine ICA ICA Ex 1st ICA Ex 2nd CICA - SWO
 PCN ECPAR

Length	Section	Installation of BMPs	Maintenance of BMPs	Effectiveness of BMPs	Plan Implementation	Overall Project Evaluation
0.05	1066+00 Lt.	8	8	8	8	8

Grading Scale: 0 - 6 = Immediate Corrective Action Required, 7 = Fair, 8 = Good, 9 = Very Good, 10 = Excellent

Remarks and Recommendations:

Inspection on the ICA site was done with Josh Johnson.

Kevin Mitchell, DEQ-WR inspected the site of the ICA on 11-16-2020 and determined that 'a veneer of sediment (less than 1 inch) was documented throughout the length of the stream. Measurable sediment was not observed in the stream and did not require removal.'

The ditch along the access road from I-26W to the Blue Ridge Parkway has been reworked and rip rapped. New checks have been installed in the rip rapped ditchline.

The basin at the bottom of the above ditch has been enlarged.

The ditch below the basin has had all the checkdams and the pipe inlet protection removed and reinstalled and has been matted.

The ICA is removed.

Maintenance and repair of the other items on the last inspection report is underway.

NPDES inspections are being done.

ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

BRIAN WRENN
Director



October 29, 2020

NC Department of Transportation
Roadside Environmental Unit
Attention: Wes Chandler, PE, Roadside Environmental Engineer
1557 Mail Service Center
Raleigh, NC 27699-1557

RE: Trout Buffer Waiver
R-2915E, US 221 from NC 163 to US 221 BUS, US 221 Widening
TB-ASHE-2021-001
Ashe County

Dear Mr. Chandler:

This office has received your plan for the proposed widening of US 221 from NC 163 to US 221 BUS, in Ashe County, North Carolina. Your plan was submitted to this office for approval because of the proposed encroachments into the buffer zone of designated trout waters. In accordance with NCGS 113A-57(1) and Title 15A NCAC 4B .0125(c), this letter will serve as written approval to encroach on the buffer zones of Little Buffalo Creek [10-2-20-1, Class: C, Tr] and crossing UT Beaver Creek [10-1-25, Class: C, Tr] in Ashe County.

This authority has been delegated to me by Brian Wrenn, Director, Division of Energy, Mineral, and Land Resources, in accordance with NCGS 143B-10. The following conditions will apply to this approval:

1. This approval is based on the plan received November 26, 2019, with additional information received on April 6, 2020, September 3, 2020, and October 28, 2020.
2. This approval is conditional upon compliance with your 401 and 404 approvals. (G.S. 113A-54.1 (a))
3. All materials shall be on hand before any work is started. All materials must be stored in an orderly manner away from vehicular traffic, near the construction entrance, and away from waterways or storm drains in appropriate containers and/or enclosures.
4. Care shall be taken so the cross-sectional area of the stream is not reduced.
5. All plantings within the buffer shall be in accordance with the Riparian Planting Plan.

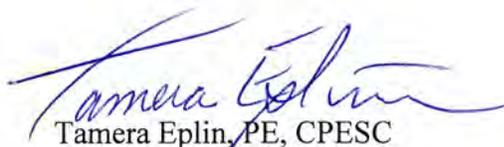


North Carolina Department of Environmental Quality | Division of Energy, Mineral and Land Resources
Winston-Salem Regional Office | 450 Hanes Mill Road, Suite 300 | Winston-Salem, North Carolina 27105
336-776-9800

6. This approval does not absolve the permittee from compliance with the surface water quality turbidity standard. More protective erosion and sedimentation control measures may be required in order to comply with this water quality standard. (G.S. 113A-54.1(a))
7. All bank repairs, stabilization, grading, or any other disturbances within the 25-foot buffer zone shall be completed by the end of each day. Work shall be scheduled so that at the end of each day bare ground is not exposed and all disturbed areas including banks shall have an adequate temporary or permanent ground cover in place.
8. The contractor shall install and maintain erosion control devices sufficient to contain sediment around any erodible material stockpile areas as directed. No earthen-material stockpile or staging area shall be located within the 25-foot buffer zone of any surface water classified as Trout Waters by the Environmental Management Commission.
9. Submit two (2) complete sets of the "final" plans to the Winston-Salem Regional Office (11" x 17" is preferred) for our files. (15 NCAC 04B .0120)

Your cooperation in protecting our environment is most appreciated. If you have any questions about this approval, please contact me at tamera.eplin@ncdenr.gov or (336) 776-9654.

Sincerely,



Tamera Eplin, PE, CPESC
Regional Engineer
Land Quality Section

- c: Jeff Walston, PE, NCDOT (jdwalston@ncdot.gov)
Jeremy Goodwin, PE, NCDOT (jagoodwin@ncdot.gov)
Matt Gantt, PE, Section Chief, Regional Operations, DEMLR (matt.gantt@ncdenr.gov)
Brian Wrenn, Director, DEMLR (brian.wrenn@ncdenr.gov)
Julie Coco, PE State Sediment Specialist, DEMLR (julie.coco@ncdenr.gov)

ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

BRIAN WRENN
Director



November 13, 2020

NC Department of Transportation
Roadside Environmental Unit
Attention: Jeff Walston, PE, Erosion Control Engineering Supervisor
1557 Mail Service Center
Raleigh, NC 27699-1557

RE: Trout Buffer Waiver – Revision 1
BR-0125, Proposed Replacement of Bridge 663 over East Prong Roaring River on
SR 1002 (Traphill Road)
TB-WILKE-2021-001
Wilkes County

Dear Mr. Walston:

This office has received your revised plan for the proposed replacement of Bridge 663, in Wilkes County, North Carolina. Your plan was submitted to this office for approval because of the proposed encroachments into the buffer zone of designated trout waters. In accordance with NCGS 113A-57(1) and Title 15A NCAC 4B .0125(c), this letter will serve as written approval to encroach on the buffer zones of East Prong Roaring River in Wilkes County (Class: C; Trout Waters).

This authority has been delegated to me by Brian Wrenn, Director, Division of Energy, Mineral, and Land Resources, in accordance with NCGS 143B-10. The following conditions will apply to this approval:

1. This approval is based on the plan received April 21, 2020, and supplemental information received August 28, 2020, October 26, 2020, and November 10, 2020.
2. This approval is conditional upon compliance with your 401 and 404 approvals. (G.S. 113A-54.1 (a))
3. All materials shall be on hand before any work is started. All materials must be stored in an orderly manner away from vehicular traffic, near the construction entrance, and away from waterways or storm drains in appropriate containers and/or enclosures.
4. Care shall be taken so the cross-sectional area of the stream is not reduced.
5. All plantings within the buffer shall be in accordance with the Riparian Planting Plan.

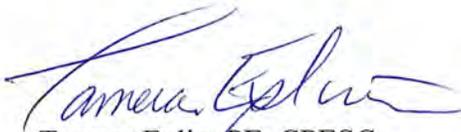


North Carolina Department of Environmental Quality | Division of Energy, Mineral and Land Resources
Winston-Salem Regional Office | 450 Hanes Mill Road, Suite 300 | Winston-Salem, North Carolina 27105
336-776-9800

6. This approval does not absolve the permittee from compliance with the surface water quality turbidity standard. More protective erosion and sedimentation control measures may be required in order to comply with this water quality standard. (G.S. 113A-54.1(a))
7. All bank repairs, stabilization, grading, or any other disturbances within the 25-foot buffer zone shall be completed by the end of each day. Work shall be scheduled so that at the end of each day bare ground is not exposed and all disturbed areas including banks shall have an adequate temporary or permanent ground cover in place.
8. The contractor shall install and maintain erosion control devices sufficient to contain sediment around any erodible material stockpile areas as directed. No earthen-material stockpile or staging area shall be located within the 25-foot buffer zone of any surface water classified as Trout Waters by the Environmental Management Commission.
9. Submit two (2) complete sets of the "final" plans to the Winston-Salem Regional Office (11" x 17" is preferred) for our files. (15 NCAC 04B .0120)

Your cooperation in protecting our environment is most appreciated. If you have any questions about this approval, please contact me at tamera.eplin@ncdenr.gov or (336) 776-9654.

Sincerely,



Tamera Eplin, PE, CPESC
Regional Engineer
Land Quality Section

- c: Noelle Ring, CPESC, NCDOT Roadside Environmental Unit (nring@ncdot.gov)
Matt Gantt, PE, Section Chief, Regional Operations, DEMLR (matt.gantt@ncdenr.gov)
Brian Wrenn, Director, DEMLR (brian.wrenn@ncdenr.gov)
Julie Coco, PE State Sediment Specialist, DEMLR (julie.coco@ncdenr.gov)

Land Quality Section Report – February 23, 2021

Org Unit Description	Position Location	Position	Position Description
ENR SO EML Director's Office	Central Office, Raleigh	60032410	Administrative Associate II
ENR SO ASEN EML DO LQ CO Raleigh RO	Raleigh Regional Office	60032500	Engineer III
ENR SO ASEN EML DO LQ CO Wilmington RO	Wilmington Regional Office	60035448	Engineer II