

# SEDIMENTS

*Newsletter of the North Carolina Sedimentation Control Commission*

## *About Sediments*

**SEDIMENTS** is a newsletter published by the State of North Carolina’s Department of Environmental Quality’s Division of Energy, Mineral, and Land Resources and the North Carolina Sedimentation Control Commission to provide information and assistance to the regulated community and to facilitate communication among personnel of state and local erosion and sedimentation control programs.

Sediments is available in electronic form at:

<https://deq.nc.gov/SEDIMENTS>

And via the WRII Sediments listserv.

To subscribe follow the directions at:

<https://wrii.ncsu.edu/contact-us/listserv/>

Send comments to the **Sediment Education Specialist**.



## **2023 Local E&SC Programs Workshop & Awards Program**

*Presented by: NC DEQ - Land Quality Section*

*In partnership with: Water Resources Research Institute of the University of North Carolina System*

This year the annual Local Programs Workshop and Awards Program was presented via a hybrid format on April 19-20, 2023, at the Wake County Commons Building in Raleigh. This annual workshop brought together delegates from a majority of the 54 local programs throughout the state. Approximately 85-90 people attended both days in person, and approximately 100 people attended the virtual workshop on April 19th and approximately 85 attended the virtual workshop on April 20th.



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*Julie Coco, NCDEQ's State Sedimentation Engineer, giving the 2023 Small Local Program Award to Curtis Moore of Guilford County (left) and the 2023 Large Local Program Award to Matt Poling of the Town of Fuquay-Varina (right).*

## **2023 Local E&SC Programs Workshop & Awards Program**

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The workshop was focused on regulatory updates, local program audits, and best management practices topics and the keynote speaker was Dr. Susan White, WRRI's Director and the Chair of the SCC, presenting on the EPA Walnut Creek Partnership.

Support for the Workshop and Awards Program is provided by the North Carolina Sedimentation Control Commission, NC Department of Environmental Quality, Division of Energy, Mineral, and Land Resources, Land Quality Section (NC DEQ-DEMLR-LQS), and the Water Resources Research Institute of the University of North Carolina System.

Local erosion and sediment control programs have the ability to exercise greater control over erosion and sediment control in their respective jurisdictions and may often inspect sites more frequently than the state erosion and sediment control program. Furthermore, local erosion and sediment control program ordinances may be more restrictive than state law, giving additional control over erosion and sedimentation control during the development occurring within their respective jurisdictions. The North Carolina Sedimentation Control Commission recognizes the importance and the value of local erosion and sediment control programs in controlling pollution by sedimentation to the waters of North Carolina. In addition to training, the Annual Local Programs Workshop seeks to recognize outstanding local programs. Each year awards of excellence are presented to programs in two categories:

- Small program – program providing 0-3 man-years or full-time equivalents supporting erosion and sediment control.
- Large program – program providing 3+ man-years or full-time equivalents supporting erosion and sediment control.

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# 2023 Local E&SC Programs Workshop & Awards Program

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This year, Guilford County received the Local Program Award for Excellence for a small program. Guilford County administers and enforces erosion and sediment control for all unincorporated areas of the county along with the towns of Stokesdale, Pleasant Garden, Sedalia, Whitsett, Jamestown, Oak Ridge, and Summerfield ([Click here for more information about Jurisdictions within Guilford County](#)). At the time of the awards, Guilford County Soil Erosion Control Section had three full-time equivalent positions that oversee approximately 135 projects with an average size of 10 acres. Some noteworthy aspects of this program include their continued effort to evaluate and implement changes in their standard operation procedures striving for internal excellence and exhibited initiative above and beyond reaching operations of the program to better serve their community. They utilize what resources they manage from their account and from their councils, to address the expanding number of active permitted sites and provide education for regulations governing erosion and sediment control. The program consistently works with the regulated community to provide plan review and approval, technical assistance, and uses resourceful and often innovative solutions to solve problems surrounding complaints, notices of violations, and compliance issues. This includes transitioning to a new permitting software called EnerGov, which provides enhancements over their prior software, including providing better tools for project tracking and reporting. The program communicates regularly with LQS's Winston-Salem Regional Office, providing comprehensive and thorough reports, and working together on several challenging sites and is always quick to respond in-person. They were also nominated in 2021, 2022, and last won this award in 2009.

More information on Guilford County's Erosion and Sediment Control Program can be found at: <https://www.guilfordcountync.gov/our-county/planning-development/soil-erosion-control>

This year, the Town of Fuquay-Varina received the Local Program Award for Excellence for a large program. The Town of Fuquay Varina oversees the enforcement of erosion control for all town including their extraterritorial jurisdiction. They have 5 full-time equivalent positions that oversee approximately 90 projects. The Town of Fuquay-Varina is a younger program, but their staff has a breadth of knowledge from multiple personnel who served in sediment and erosion control roles at other agencies. They are drawing on this varied experience to create a cohesive evolution of their processes.

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# 2023 Local E&SC Programs Workshop & Awards Program

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Fuquay-Varina has gone beyond the norm in enabling themselves to administer their program successfully. The Town's Sedimentation and Erosion Control Program frequent presence on sites is an effective tool to keep sites in compliance in addition to their requirement for a preconstruction meeting for all projects; Town staffs' ability to place holds on various permits and construction inspections, and their utilization of sections of the Land Development Ordinance (LDO) regarding illicit discharge and stormwater control to enforce proper waste management on construction sites and note when potential NCG01 violations are seen is commendable.

In 2022 & 2023, the Town has been working to update their standard operating procedures and training resources and have been working with the LQS regional office staff to provide guidance and feedback. These Q/A sessions have generated good discussions between town and state as LQS also work to update their training documents. It is an example of when local programs and LQS staff work together to improve both programs. In addition, Fuquay-Varina joins other Local Programs within the Triangle area to hold "Lunch and Learn" opportunities for the regulated community. Their staff are members of multiple erosion control and stormwater organizations and are active in their community. For instance, the Town implemented FVStormwater.org last year that provides citizen information about the Town's MS4 permit. The Town also provides education to schools holding 4 events for 300 students in one year.

More information on the Town of Fuqua Varina's Erosion and Sediment Control Program can be found at:

<https://www.fuquay-varina.org/1432/Construction-Site-Runoff-Controls>

Congratulations to these two well-deserving programs in recognition of their excellence in erosion and sediment control.

The programs that were nominated for the awards this year include:

Small Program Nominees:

- Guilford County

Large Program Nominees:

- City of Charlotte
- Chatham County
- The Town of Fuquay Varina

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# 2023 Local E&SC Programs Workshop & Awards Program

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*Pictured from left to right: Curtis Moore, Earl Davis, and James Tardiff of Guilford County.*



*Pictured from left to right: Matt Poling, Jennifer Mitchell, and Charles Phillips of the Town of Fuquay Varina.*



*Pictured from left to right: Julie Coco of NCDEQ; Matt Poling, Jennifer Mitchell, and Charles Phillips of the Town of Fuquay Varina; Curtis Moore of Guilford County; Graham Parrish of NCDEQ.*



# Annual Hurricane Weather Advisory for Construction Sites

Act Now to Reinforce your BMPs to Prepare for Multiple Impacts

*By Julie Coco, PE, DEQ-DEMLR, State Sedimentation Engineer*

*Originally Published in the Sediment Newsletter, Volume 24 No 1: 5-6*

As we once again enter hurricane season, there exists the possibility that sites in development will be adversely impacted, regardless of the measures that are in place to control stormwater and sediment runoff. However, proper planning can minimize damage and the work effort to restore the site to pre-storm conditions. Below are some suggestions for pre-storm preparation, and conditions under which land-disturbing activities may be necessary.

## Suggested Actions Prior to the Storm Include:

- Cease any new grading or land disturbances that will not be paved or otherwise structurally stabilized. The freshly exposed bare soil will not have time to stabilize prior to the storm.
- Secure any construction materials that may become airborne during the storm.
- Haul away waste materials.
- Seal and secure or otherwise protect containers holding equipment fluids, liquid building material waste, flocculants, herbicides, pesticides, rodenticides, or other hazardous or toxic wastes from leaks or spills. Hazardous materials should be removed from the site if they cannot be contained in an enclosed building and stored away from windows.
- Dewater sediment basins in a manner permitted by your E&SC Plan Authority.
- Ensure emergency spillways on basins and traps are fully functional. Secure any loose filter fabric, rock, or liners.
- Clean out culverts, outfalls, inlets, ditches, or other conveyances as needed to prevent clogging. Ensure outfalls are stabilized per your approved plan.
- Catch basins or curb inlets with inserts used to filter sediment from the storm drain system can be temporarily removed to prevent street flooding.
- Complete, as time permits, any restoration efforts underway in streams, buffers, wetlands, etc.
- Secure or temporarily remove document boxes and their contents.

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# Annual Hurricane Weather Advisory for Construction Sites

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## After the Storm:

- Do not touch any downed powerlines or equipment in contact with powerlines.
- Avoid driving or working in flooded areas or non-workable soils. Be on the lookout for washed-out or undermined roads. Avoid bodily contact with floodwaters.
- Check and record rain gauges. If the gauge has been damaged, document the reasoning for it and why you are unable to obtain an accurate reading from this source. Precipitation estimates for your region may be found online.
- Report any spills, sediment releases into jurisdictional waters, unanticipated bypasses to stormwater devices, upsets, or non-compliance issues that may endanger health or the environment to the appropriate DEQ Regional Office within 24 hours of discovery.
- Repair or replace damaged waste or fluid containers.
- Clean and reinstall any catch basin or curb inlet inserts removed prior to the storm.
- Clean up off-site sedimentation immediately (excluding that released into riparian buffers or jurisdictional waters needing a restoration plan).
- Reinstall the document box, if removed prior to the storm.
- Remove debris from culverts, outfalls, inlets, ditches, or other conveyances on the project, and evaluate for stability. Make necessary repairs.
- Repair any damaged erosion and sediment control measures to restore their full functionality in accordance with the plan.

## Emergencies:

Repairs made to protect human life, and which involve land-disturbing activities are considered emergency repairs. Such repairs may be made without prior approval. In accordance with 15A NCAC 04B.0130, you shall notify the DEQ Director of the Division of Energy, Mineral and Land Resources, or his/her designee, of such repairs as soon as reasonably possible, but in no event later than five (5) working days after the emergency ends. Additionally, you shall take all measures necessary to protect all public and private property from damage caused by your repair as soon as possible, but no later than fifteen (15) working days after the emergency ends. Under emergency conditions, approval without a permit may be given on a case-by-case basis to discharge pumped stormwater to surface waters in an effort to minimize flooding. The definition of “Emergency Conditions” is water on streets at a depth of 14 inches that restricts emergency vehicles from responding to the needs of the public. Contact the DEQ office in your region for assistance.



## *The NC Sedimentation Control Commission*

The Sedimentation Control Commission (SCC) was created to administer the Sedimentation Control Program pursuant to the NC Sedimentation Pollution Control Act of 1973 (SPCA). It is charged with adopting rules, setting standards, and providing guidance for the implementation of the Act. The composition of the Commission is set by statute to encompass a broad range of perspectives and expertise in areas related to construction, industry, government, and natural resource conservation and quality. All members are appointed by the Governor and serve three-year terms, except for the Director of the Water Resources Research Institute of the University of North Carolina, who serves as long as they remain Director. The chairman of the SCC is named by the Governor.



## **NC SCC: February Actions**

At its hybrid meeting on February 21, 2023, the NC Sedimentation Control Commission (SCC) took the following actions:

- Voted to approve Mr. Brown as Vice-Chair.

### Delegated Local Programs

- Winston-Salem/Forsyth County: Voted to continue their delegation authority.
- Rowan County: Voted to continue their delegation authority.
- Town of Fuquay-Varina: Voted to continue their delegation authority.
- Town of Huntersville: Voted to continue their delegation authority.
- City of Greenville: Provided an informal review of the proposed changes to the City's ordinance.

## **NC SCC: May Actions**

At its hybrid meeting on May 23, 2023, the NC Sedimentation Control Commission (SCC) took the following actions:

- Mr. James Lamb swore the oath of office.

### Delegated Local Programs

- Johnston County: Voted to continue delegation of the program with review for a period of 9 months.
- City of Archdale: Voted to continue delegation of the program with review for a period of 6 months.
- Town of Lake Lure: Voted to continue delegation of the program with review for a period of 6 months.
- Town of Cary: Voted to continue delegation of the program with review for a period of 6 months.
- City of Monroe: Voted to continue their delegation authority.

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## The NC SCC Members

### Chair:

Dr. Susan White

Water Resources Research Institute

### Commissioners:

Mr. Steven Wilson

NC Home Builders Association

Ms. Marion Deerhake

NC Environmental Management  
Commission

Mr. Michael Taylor

Associated General Contractors

Mr. James Lamb

NC Soil and Water Conservation  
Commission

Mr. Benjamin Brown

NC League of Municipalities &  
Association of County Commissioners

Dr. Rich McLaughlin

NCSU, Dept. of Soil Science

Mr. Mark Taylor

Professional Engineers of NC

Mr. Ryan Carter

Non-governmental Conservation

Ms. Emily Sutton

Non-governmental Conservation

Mr. David Beck

NC Public Utilities

Mr. Robert Jason Conner

NC Mining Commission



## NC SCC: May Actions

*Cont'd from page 8*

- Town of Apex: Voted to approve the Town's ordinance and to approve delegated authority.
- City/County of Durham: Voted to approve the City/County ordinance and to approve delegated authority.
- Swain County: Voted to approve the Town's rescission request and to revoke delegated authority. The LQS Asheville Regional Office has assumed responsibility for E&SC in Swain County.

## NC SCC & Committee Information

The SCC currently has three active subcommittees, including the Civil Penalty Remissions Committee, the Commissions Technical Committee, and the Ad-hoc Committee. The SCC also plans to reform the Education Committee in the near future and those interested in serving on the committee should contact NCDEQ-DEMLR-E&SC Central Office Staff.

Meeting dates, times, location information and materials for scheduled meetings of the SCC and its Committees can be found on the SCC's website: <https://deq.nc.gov/about/divisions/energy-mineral-land-resources/sedimentation-control-commission>

## Upcoming SCC Meetings

Thursday, Nov. 16, 2023

2024 Dates TBD

All meetings are at 10:00 am  
Ground Floor Hearing Room  
Archdale Building

512 N. Salisbury Street Raleigh, NC

*Schedule and location of meetings is subject to change. Public notice of any changes will be given pursuant to NCGS 143-318.12*



## **Erosion, Sediment, & Turbidity Control In-Person Field Day**

*Presented by: NCSU's Department of Crop and Soil Sciences*

NCSU's June 12th ES&TC Field Workshop was presented as a small, interactive, in-person workshop at NCSU's Booth Field Learning Lab. The field workshop involved a morning of classroom presentations and an afternoon of participatory field demonstrations. During the classroom portion, participants had the opportunity to test sediment/soil samples (that they either brought or were provided for them) to determine the best polymer to increase flocculation and settling for their soil samples. The field portion included demos on the use of flocculants, various surface outlets (skimmers), rainfall simulation and erosion control options, passive treatment using wattles and other check dams, and more. The field portion incorporated more hands-on portions this year, with attendees participating in the demos including adding straw and PAM in the rainfall simulation and installing different types of wattles and then adding PAM to wattles.

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# Erosion, Sediment, & Turbidity Control In-Person Field Day



*Pictured on pages 10 & 11 are the morning classroom session and field demonstrations led by NCSU representatives including Adam Howard, Dr. Christian Kranz, and Dr. Rich McLaughlin.  
Photo credit: Rebecca Coppa, DEQ-DEMLR-Central Office*





# WE ARE HIRING

## Environmental Enthusiasts



## Why Apply to Work for NC DEQ?

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- Competitive Benefits: Options that will enhance your quality of life, health, wellness, and future.

Check out our job postings here: <https://lnkd.in/g2UXSVqd>

# LQS Regional Offices' Contact Information

Personnel of the Land Quality Section (LQS) of the NC Department of Environmental Quality provide information and assistance for the implementation of the NC Erosion and Sedimentation Control Program. For assistance, please contact the appropriate Regional Office or the Raleigh Central Office listed below:

Asheville Regional Office

Phone: (828) 296-4500

Regional Engineer:

Stanley Aiken

Raleigh Regional Office

Phone: (919) 791-4200

Regional Engineer:

Bill Denton

Winston-Salem Regional Office

Phone: (336) 776-9800

Regional Engineer:

Tamera Eplin

Fayetteville Regional Office

Phone: (910) 433-3300

Regional Engineer:

Tim LaBounty

Washington Regional Office

Phone: (252) 946-6481

Regional Engineer:

Samir Dumpor

Raleigh Central Office

Archdale Building

Phone: (919) 707-9220

Mooresville Regional Office

Phone: (704) 663-1699

Regional Engineer:

Zahid Khan

Wilmington Regional Office

Phone: (910) 796-7215

Regional Engineer:

Dan Sams

## Who Do I Call?

If you have questions or concerns related to erosion and sedimentation control or off-site sedimentation from construction in NC, contact the appropriate local program, LQS regional office, LQS central office or the toll-free hotline.



Local program information:

<https://deq.nc.gov/about/divisions/energy-mineral-land-resources/erosion-sediment-control/local-government-programs>

Toll-Free Hotline:

1-866-STOPMUD