


Roadside Environmental

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State Roadside Environmental
Unit



Roadside Environmental Unit

- Erosion and Sedimentation Control Program
- 2021 Annual Delegation Review
- The Future

 ...LEARNING HOW TO MAKE
BOURBON THE RIGHT WAY—
FROM THE INSIDE OUT AND
EVERYTHING IN BETWEEN.
NO JOB TOO SMALL, NO TASK
TOO TEDIOUS.'

James C. “Jimmy” Russell

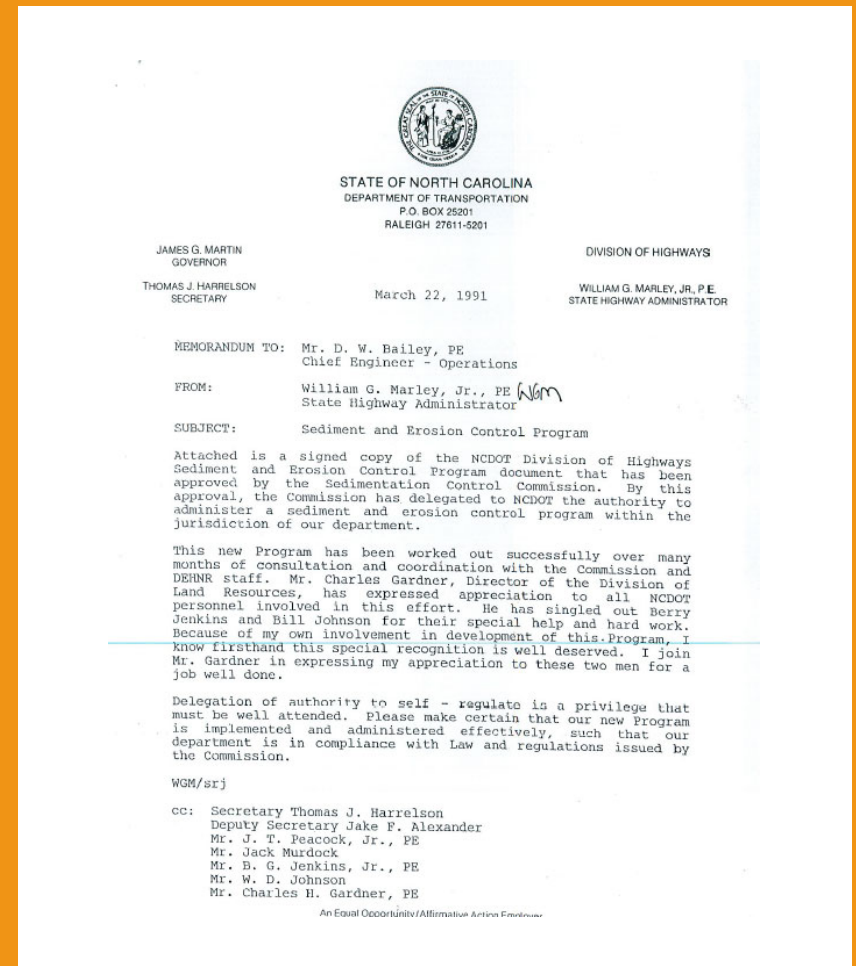


Erosion and Sedimentation Control Program

- 1973 Sedimentation Pollution Control Act
 - NCDOT Delegated Authority for Erosion and Sediment Control Program
- 1991 NCDOT Revised Delegated Authority
 - NCDOT Revised Delegated Authority for Erosion and Sediment Control Program

Erosion and Sedimentation Control Program

- 1991 Revised Delegation Agreement
 - Wayne Bailey, PE
Chief Engineer
 - New Commitment
 - Increased Responsibility



The Basic Objectives

- 1) Identification of Critical Areas
- 2) Limited Time of Exposure
- 3) Limit Exposed Area
- 4) Control Surface Water
- 5) Control Sedimentation
- 6) Manage Storm Water Runoff

Erosion and Sedimentation Control Program

- 1991 Revised Delegation Agreement
 - Review and approve erosion control plans
 - Monitor and inspect land disturbing activities that are associated with the construction and maintenance of highway facilities.
 - Immediate Corrective Action (ICA) Procedures Developed

Erosion and Sedimentation Control Program

- NCDOT must maintain Operational Control
 - Secretary
 - Chief Engineer
 - Division Engineer
 - Construction Engineer
 - Resident Engineer
 - Project Staff



Elmer T Lee - Master Distiller



The Heritage and Craft of Bourbon

- 1) Bourbon must be made in the United States.
- 2) Bourbon must be made using at least 51% corn.
- 3) Bourbon must be aged in new, charred oak containers (barrels).
- 4) Bourbon must not be distilled higher than 160 proof.
- 5) Bourbon must not be put into a barrel higher than 125 proof.
- 6) Bourbon must be bottled at 80 proof or higher.
- 7) Bourbon must not contain any flavorings or colorings.

Bourbon

Mash Bill

- Corn
- Rye
- Barley



Bourbon

- Endless options of what can be accomplished.



2021 Annual Delegation Review

- Annual Review of the Departments delegated program for Erosion and Sediment Control
 - 15 Construction Projects randomly selected
 - 1 Maintenance Project randomly selected



Issues Identified

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- Minor Sediment Loss



Issues Discovered

- Sediment tracking onto road



Conclusions

- Positive Findings:
 - DOT Internal Inspection Process
 - Communications and Project Progression
 - Educational Efforts
 - Innovative Approach

Conclusions

- Recommendations
 - Document Updates
 - DEMLR Notifications
 - Plan Revision Reviews
 - Construction Staking for Project Limits and Environmentally Sensitive Areas
 - Matting Specifications
 - Concrete Washout

Conclusions

- The Delegated Program was renewed for another year

The Future

- Who will carry on for the next generation?
- Have you passed on your knowledge and experience to others?
- The success of the program depends on everyone working together to be successful.



The Future

- What can we improve on?
- Expand research opportunities
- Utilize new technologies



The Future

- What can we improve on?
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Questions

