NC Stormwater Program Update

Catawba/Wateree River Basin Advisory Commission

February 26, 2010

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DWQ Stormwater Permitting Unit
Why Do I Have to Manage and Treat Stormwater?

- Sediment
- Organic Matter
- Nutrients
- Oil & Grease
- Bacteria
- Metals
- Etc.
Why Do I Have to Manage and Treat Stormwater?

- Water Quality Issues
  - Federal Regulations
  - N.C. General Statutes
  - N.C. Session Laws
  - N.C. Administrative Codes
Federal NPDES Program

- National Pollutant Discharge Elimination System (NPDES)
  - Regulates point sources discharges to waters
- North Carolina delegated to administer in 1975
- Stormwater -> Phase I – 1990 ; Phase II – 2000
- 3 types of activities covered:
  - Industrial facilities
  - Construction activities
  - Municipal separate storm sewer systems (MS4s)
Federal NPDES Program – Industrial

- Industrial Activities in Ten Categories
- Construction Activities that Disturb >1ac
- Coverage Under 22 General Permits
- Some Individual Permits
- Public and Private Entities
Federal NPDES Program – Industrial

- Stormwater Pollution Prevention Plans
- Regular Review and Assessment
- Monitoring and Inspections
- New Permit Structure
  - Monitoring
  - Tier System
- No-Exposure Exemption
Industrial SW Permits

- Over 700 Industrial Permitees
- As Many Active Construction Sites
- More No-Exposure Facilities
- Increased Division Oversight
Construction Stormwater NPDES Permit

- One Acre or More Disturbed
- Point Source Discharge of Stormwater
- Required in Addition to E&SC Plan
- Partner with E&SC Agencies
EPA Construction Effluent Limitations Guidelines Rules - 40CFR 450.10

- Effective February 1, 2010
- E&S Controls and Pollution Prevention – all sites
- Numeric Limit (280 NTU) – large sites
  - 20 ac. or more – August 1, 2011
  - 10 ac. or more – February 2, 2014
Federal NPDES - Municipal Separate Storm Sewer Systems (MS4s)

- Over 100 Entities with Permit Coverage
- Comprehensive Stormwater Programs
- Minimum Measures
- Specific Standards for Resource Protection
- Ongoing Review and Oversight
Municipal Stormwater Permits

- Over Twenty MS4 Permits
- Cover Around Thirty Jurisdictions
- Recovery Programs
- Special Management Strategies
- Recent MS4 Designations
- Permit Renewals Under Way
State Stormwater Program Areas
Post-Construction Control
401 Water Quality Certification (WQC) – Stormwater Management Plans

- Required when a project:
  - Requires a 401 WQC or Isolated Wetlands Permit
  - Contains a drainage area with impervious cover >24%

Reviews conducted by the 401 Oversight/Express Permitting Unit (Central Office)
State Stormwater Program: Post-Construction Stormwater

- Minimize Built-Up Area (BUA) or Imperviousness
- Use Passive Stormwater Management
- Engineered Controls Where Necessary
- Approvals From State or Local Government

Photo by NCSU
Determine Jurisdiction Using the Interactive Map!!

http://portal.ncdenr.org/web/wq/ws/su/maps#GIS_Data_Maps
Determine Jurisdiction Using the Interactive Map:

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Determine Jurisdiction Using the Interactive Map:
Summary

- Permit Renewals
- Special Management Strategies
- Nutrient Related Rules
- Basin Plan Review - 2010
- Impervious Parking – S.L. 2008-198
- EPA Post Construction Rules
- Education / Outreach Efforts
For further information, please contact:

- **Stormwater Permitting Unit**
  - Phone: (919) 807-6300
  - Website: [http://portal.ncdenr.org/web/wq/ws/su](http://portal.ncdenr.org/web/wq/ws/su)

- **NPS Assistance & Compliance Oversight Unit**
  - Phone: (919) 807-6300
  - Website: [http://portal.ncdenr.org/web/wq/ws/cu](http://portal.ncdenr.org/web/wq/ws/cu)

- **401 Oversight and Express Permits Unit**
  - Phone: (919) 733-1786
  - Website: [http://portal.ncdenr.org/web/wq/swp/ws/401](http://portal.ncdenr.org/web/wq/swp/ws/401)