Land Quality Update

Erosion and Sedimentation Control Planning and Design Workshop

December 2, 2014

W.E. Toby Vinson, PE, CPESC

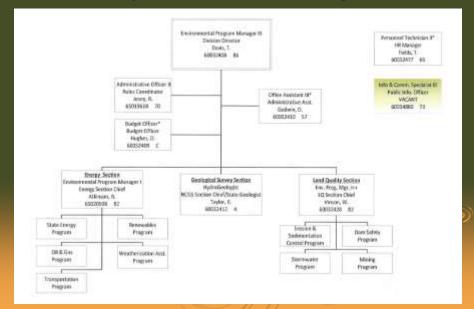
Topics

DEMLR Reorganization, Program Integration
 / Combined Inspections and Enforcement

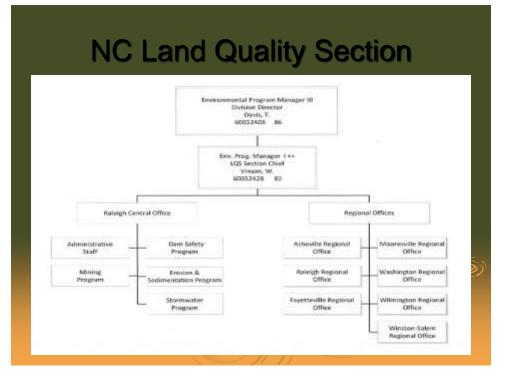
Energy Program

Customer Service Activities

Regulatory Updates



Land Quality Section O-Chart, August 1, 2014



NC Land Quality Section

- > Winston-Salem Regional Office -
 - New Office and Contact Information
 - Address:
 - 450 West Hanes Mill Road, Suite 300, Winston-Salem, NC 27105
 - Phone:
 (336) 776-9800

| ant meet of University and of low-gy, bitmatch citizadry for citizen- Hogo rd, 2004 e (5 of H) | & Robust Housever Land Bracerse of Differen | | | Office Org Chart | | | | |
|---|---|--|---|---|---|--|---|--|
| Astrono L'asponsatore Regional d' Regional d' Regional d' | r Signio + 1 Viphiano: e. A. | Minutine Libert 30 Hagement State Report Regimme Caref, 50 HIMLING J | Formula III Magneting Saar Regulating Saar Lon, B MEDIO | Wedropier 55 Opinior Supp Beginned Explorer Michael, R. BICLUME 1 | Manachofi Eigennerg Sacor Nagene Toylerer Wars, 2 uidtoyatt J | Reliable Segmenting Segret Segment of Frighteen Sectors, 1, Sectors, 1 | Nitricant AG Express og laars Topowing man Sons A | |
| Reports Walkes 1 HEIGENT 1 Un. 3 Speciality walkes 1 MERCENT 1 MERCENT 1 MERCENT 1 MERCENT 1 MERCENT 1 MERCENT 1 His Speciality HIS Specialit | Regional Region () Region () Region () Regional () Reg | Topore and the second s | Ingeneric Holicer Holicer Holicer Free, J. Holicer Hol | Topose La Calado Calado Calado Francisco Franc | Televise Tel | Figure 11 Topose Sector A Department Model Model Mittal 1 The Science Mittal 1 The Device Mittal 1 The Device Mittal 1 The Dev | Vegical File, Ting, Goper Inc. Insugarding File, Ting, Goper Vegical File, Ting, Ting, Ting, Ting, Ting, File, Ting, Ti | |
| nini Aggeogrammi gent Goldson from sight) - Mit Soldson in sight) - Mit Soldson in Selfs - Jill Ageograms Stats - Jill Ageograms Stats - Ageogram Stats - | 10. Spracher | Ten Separat Verzar Mittalia Ten Secalar Ten Secalar Verzar Verzar | The Speciality Brit.1: Discussion m The Special m Holes provide High N Holes post The Special m The Special International International | dec. 2. Specifie Secul. 2. Better the secular to free Specifies Secular to Secular to Secular to the Specifies the Specifies | Ten specie ReCAR INCOM INCOMPANY Ten Specie Research Research INCOMPANY Research Research INCOMPANY Research Re | Inc. Secure Security 19 Biol Security Inc. S | Track Days & Direct | |

Integration of Stormwater Program w/ Land Quality

Reg. Offices, 21 FTEs, Cent.Office 9 FTEs

- Cross-Training into existing programs
 - Sediment Program
 - Mining Program
- "Fast-Track Permitting
 - Minimum Design Criteria
 - Technical Working Group
 - Rules by July 2016
 - Includes State and locally delegated state programs (permits w/out review of devices)

Combined Inspections

- > With E&SC Program
- > Enforcement with E&SC Program
- > With Mining Program will begin Formal Industrial NPDES Cross-Training in 2015

Combined Self-Inspection Form

Meeting fee (with) Meeting fee (with) Meeting and white and an interval and activities upday storwwater general prevent according And Sup-Augraphia accords for Law disturged a must be according to a storwy.

| Project Name | | | | | | Land Quality or Local Program Project # | |
|---|-------|---------------------|--|-----------------------------------|--|---|--------------------------------|
| Financially Respons | | | | | | Coonfy | |
| Party (FRP) / Permittee INSPECTOR Name | | there - | | | T PORT | | |
| INSPECTOR | | | | | | | |
| spector Type (Illaris) | | Albres | | | | | |
| 6P/Percettee | | Lanna 199 | | | | | |
| pertitiatione | | YNG/6 YMPIGHT | | | Trial Approx | | |
| AT 1A: Rainfall De | | | | | PART IS: Current Pin | ine of Freisid | |
| Day / Date | | Daily Ra | Rein Ant Jin Infall Require 5 of Weekers | ed, except for | ch | Phase of Grading eck the applicable box(es) | × |
| | | HENERY | s or vereiners idicate with a | "zero" | | ecosos and sodiciost coefformasures | |
| 62 | | | 1 | | Overing and grattering of | d anothing ground cover a of deathers of shown or fills | _ |
| | _ | | | | Instruments of shore char | | |
| 0 | _ | | | | | | - |
| | | _ | | | Completion of all and disturbing estivity, construction or development Permanent ground close sufficient to tection emission for been estivitiented | | |
| - | _ | | | | Laurence (konsid cons | Concentration of the second second second second second | A 400 MD. |
| (Ostional) | _ | _ | | | | | |
| n (Optional) | _ | _ | | | | | |
| au (edunante) | | | | | 1 | | |
| IT IC: Signature of | | | | | | | |
| | 1000 | | | | | accurate and complete to the heat of my | An and the state of the second |
| financially Responsible Party / Permitee or Age | | | ert i Designee | | Cate | | |
| | | | | | ZATION TIMEFRAMES | The set of | |
| | | | Stabilizatio | | | frame Exceptions | |
| Site Area | Sauce | antion . | | None | | | |
| | | | 7 Days | None | | | |
| cimeter dikes, and gh Quality Water (r | es al | od slopes | 7 Days 7 Days | None | | | |
| eimeter dikes, swa gh Guaitty Water (r open Bleeper fran | es al | od slopes | 7 Days 7 Days 7 Days | None If slopes at | | d are not clasper than 2.1, 14 days as | e allowert |
| Site Area elmeter dians, ear opto Banger fran opto Binger fran opto Binger fran opto Binger fran opto Binger fran | ACIW) | nd slopes Zonies | 7 Days 7 Days | Hone If slopes a 7 days for | re 10" or less is length an slopes greater than 50" in spt for periorsters and HD | length. | allowed |

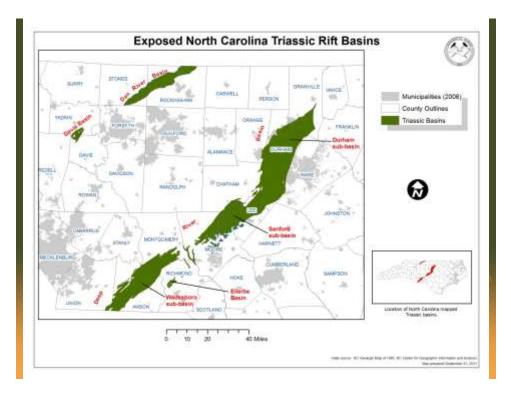
Combined Self-Inspection Form

| | trosion and Sedimentation Control Measures Inspected | | | | | | Describe Actions Needed Corrective actions should be performed as soon | Date Corrected |
|--|--|--|--|------------------------------|---|--|---|-------------------|
| Manuari II a Location an Description | Ptopety? | Are Poper Montecore Function (VIM) | Applications | CON CHARGED | Zigottan | - | " as possible and before the rest storm event | |
| | | | | | | | | |
| ART 28: 8 M HOURS (| TORMWATER | F I've approve Cost Discharts Cost Discharts | E CUTFAL REATER T Inspect Are Vestie | LLS (SDOc) 1 THAN 0.5 INC | Ion control pla DOs must be PER 24 HOU Impection Data | r. Liel Ormeneo Inspected at is R PERIOD. Report Visi Mg | Documented here or by Hitlating and Jating each mean or of Massures such as Sadiment Basins and Rippip war ONCE PER 7 CALENDAR DAYS AND WITHIN Die Sedimentation to streams or wetlands to Land Guality within 24 Hours of Guality within 24 Hours Describe Actions Needed Exten Audul to actions recent an anouna coasilie and before the actions recent | |

| SEDIMENTATION CONSTRUCTION ST Forth Caritan Department of Day Jand Charitan Intelling, 2009 Janeer Proc., Ro | propulsed and Wetland Encounter- | NEUMENTATIONACONSTRUCTION STORMWATTER INSPECTION REPORT WWW Contract Department of Enforcement and Neural Systems Land Department of Report Days, Alastica, Ref. 2010, 1910, 1 |
|--|--|--|
| | | |
| East- | Riveringen | Constitution and contends Training data and contends and areas and participation areas of any data database of a branch |
| From Againity or possible | Property | The first is require advances and areas and party in the party in the branch first |
| Address | Sert | |
| A Property and Tay To Value To Dates | 1. TV 2. TV 1. | Solid to read where the an own consider to serve it to be Sales (a pro- |
| A Mindre and all address | Partness to T the T | The site alopera pressure priori area will area of the designed by their sequent is the ball of the test last of the percent. |
| E. B. De connection of a state of a state of the state of | | pine, and sing the bits sing man |
| 4. Software complements LPCA and other Tes PT the P | You don't assume below | The strength of share and have affected one advantiants for but a facility of a |
| I. Source also SS 103 FTM and 103000 4000000 S. Subarto Biose association of 201000000 S. Bolaro and an array data in 111 FTM and 10300000 S. Bolaro and an array data in 111 FTM and 10300000000000000000000000000000000000 | F B. Subspirit fulfit som (S.E. 2007/93) F. Subspirit fulfit som (S.E. 2007/93) | T best menne where we can advantate the second terms is down a fer second proceeding to be here a best of the second seco |
| 17 1 Taker with disease in second UNICS, MICC | C 1 manual | "Texain as along an ensertiable store of sufficient with in surface table uningeness when the 30 to 20 a file balls save by last |
| E. Link to be complete even in THE Theory (COLD BAR). E. Allowing or an intermed produces (COLD BAR). E. Allowing or an intermed produces (COLD BAR). E. Allowing the control of the termination of termination of the termination of termination of the termination of terminat | | Andorem sky men og andre sen senere. "I de veldt in frær "Pari i enteling fra filming som f Taken be også of goldel sport og andre attelen sporter sporter som attelen attelede konteken for delengen som som Taken behaving og andre som attelen attelengen som attelen attelede som |
| | 1° inventinge" Yes, ¹⁷ Bree, edges " (mint all beingets) (fis ¹⁷ B Barband ¹⁷ Other property ¹⁷ | ndalay to blong bottom (|
| Second To be a Total will be added to a stream in a | | Second ad emplois e last 11 had any fina consultat and e or units consult Second adjust the second providers as an other bad datating with the second a 1 to 14 hits executing a 1403 |
| Depending del admin Frances | | 10.00 pandy manifester or the following page |
| 6. Convert and a fifth (Convert | Time | The time without these with relating a new of an easi or group. With a disease in the linear time |
| Rented and post 11 of an 7 is not Reside open | 6 December | Chipsel diversion and advantations trated access and loss allocate collifie of loss trailing and other. If loss of a stabilizer of the |
| A Country and and a | | pad a prime ad angles af angles (in the set of the set |
| | | 80 |
| Reports Marian Marian Providences Second | The best of the local data | ¹⁰ Process of point over addition works in order for available if N addition of description or adjustments and any state of a spectra over against 25 point observation between the NMES Conservation Name of the association. |
| Thereing Law (1991) | Page 1 att 1 | Investor PETER Paral |

Energy Program

Oil and Gas Program State Energy Program Weatherization Program



Oil and Gas Development

- Coordinated Permitting for Single Environmental Permit?
- Site Development (Fees, Impact Fees)
- ➢Bonding
- Production (Severance Taxes)
- Reclamation

Mining and Energy Commission

- > O & G rules have been passed through to RRC and Legislature
- > Restructured to be two separate Commissions on August 1, 2015
 - Energy Commission
 - Mining Commission

Customer Service Activities

- Workshops 2 in Fall (November 19 and December 2); 2 in Spring (Dates TBA)
- Informal Appeal Processes
 - 1 For new technologies, (to staff PE)
 - 2 For Statute or Rule Reference, (to Supervisor)
- > Piloting Fast Track Erosion and Sediment Control in MRO
- Electronic Permitting and Inspections

Erosion and Sediment Control Program Fast Track Pilot Program

- > This is not required. It is an option.
- > Response has been positive.
- Limited to residential home-building with individual lot disturbance less than 1 acre and total site disturbance less than 5 acres
- > Lots are finished or at final grade.
- > No change in general drainage pattern



- Not in HQW, No wetlands or creeks within 100 feet
- > Expected time of review is 15 days

Electronic Permitting and Inspections

- > AMANDA ECLIPS
 - Back Office June 2014
 - Portal January February 2015
 - Mobile Inspections August 2014

Regulatory Updates

Review State Environmental Rules –

- Stormwater 2014-15
- Sediment 2015-16
- Mining 2016Dam Safety 2017
- > Gravel –
- > Informal Appeal Processes
 - 1 For new technologies, (to staff PE)
 - 2 For Statute or Rule Reference, (to Supervisor)

Questions???

W.E. Toby Vinson, PE, CPESC, CFM, CPM Chief of Land Quality Section <u>E-Mail: toby.vinson@ncdenr.gov</u>