



Wake County Stormwater Management Task Force Meeting #15

July 19, 2007

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Springs • Knightdale • Morrisville • Raleigh • Rolesville • Wake County •
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Meeting Agenda

- **Review and Comment on DRAFT Recommendations**
 - Dot Exercise & Discussion
- **Identification of Priority DRAFT Recommendations**
 - Dot Exercise & Discussion
- **Next Steps**

Dot Exercise #1 - Instructions

- A sheet for each DRAFT recommendation is posted on the wall
- Using the **RED** dots, identify which three recommendations you'd most like to discuss.
- Please only place a total of three dots for this exercise
- **COMMENTS:** If you have comments, please write them on the Post-It notes and place in the appropriate box on the wall sheets for discussion

Outline of DRAFT Recommendations

| Proposed Rec. # | Proposed DRAFT Recommendations | # of Objectives Addressed | Areas of Concern | | | |
|-----------------|--|---------------------------|---------------------|-------------------|----------|---------------|
| | | | Structural Flooding | Nuisance Flooding | Sediment | Water Quality |
| 1 | Hydrologic and Hydraulic Modeling of the Stormwater System | 10 | ✓ | ✓ | ✓ | ✓ |
| 2 | Post Construction Stormwater Runoff Controls | 5 | ✓ | ✓ | | |
| 3 | Enhance Sediment and Erosion Control Programs County-wide | 9 | | | ✓ | ✓ |
| 4 | Implement County-Wide Call Center for Stormwater Issues | 7 | ✓ | ✓ | ✓ | ✓ |
| 5 | Risk-based Approach to Stormwater System Maintenance | 8 | ✓ | ✓ | | ✓ |
| 6 | Collaboration with County on NDPES Phase II Minimum Measures | 7 | | | ✓ | ✓ |
| 7 | Environmental Monitoring (Quantity and Quality) | 10 | ✓ | ✓ | ✓ | ✓ |
| 8 | Collaboration on Public Education Programs | 10 | ✓ | ✓ | ✓ | ✓ |
| 9 | Maintenance and Inspection of On-Site Wastewater Systems | 7 | | | | ✓ |

#1 – Hydrologic and Hydraulic Modeling of the Stormwater System

- What?
 - Develop models capable of predicting water quantity and response of watershed to existing and future land-use conditions
- Why?
 - High priority tool identified by Task Force and Stormwater Managers
 - Allow for future planning without “head-in-the-sand” excuse

#2 – Post Construction Stormwater Runoff Controls

- What?
 - Reduce the amount of runoff generated at the source (through a reduction of impervious surface) or control the increase in runoff generated from a developed site through the use of structural BMPs
- Why?
 - Flood control was a high priority objective for Task Force and Managers
 - Opportunity to establish a uniform, minimum design standard that addresses quantity and quality concerns

#3 – Enhance Sediment and Erosion Control Programs County-wide

- **What?**
 - Provide adequate staff and resources to effectively enforce existing regulations
 - Consider risk-based assessment of sites that may trigger additional requirements
- **Why?**
 - Highly recommended in Task Force voting exercise
 - Recognized that enforcement would be more effective than changing existing rules

#4 – County-wide Call Center for Stormwater Issues

- **What?**
 - One-stop call center for stormwater issues and complaints that would serve all municipalities
 - Calls would be screened and discharged to appropriate personnel for further evaluation
- **Why?**
 - Easier to promote one contact point and more cost-effective to run
 - Reduce burden on municipal staff to allow more time for solving problems

#5 – Risk-Based Approach to Stormwater System Maintenance

- **What?**
 - Identifies highest priority stormwater infrastructure and facilities that should be targeted for routine inspection and maintenance
- **Why?**
 - Maintenance was a high priority tool for both the Task Force and Managers
 - Some communities do not have the resources to pro-actively maintain the system throughout the year
 - Get the most “bang for your buck” on maintenance

#6 – Collaboration with Wake County on NPDES Phase II Minimum Measures

- **What?**
 - County would offer to provide Phase II stormwater services to Towns; similar to Charlotte-Mecklenburg organization model
- **Why?**
 - Smaller Towns do not currently have existing staff or expertise to implement
 - Can piggy-back on to S&E program
 - Most cost effective for one regional group to provide than for multiple communities to implement the same individual programs

#7 – Environmental Monitoring

- **What?**
 - County-wide network encompassing the full range of water quantity and quality conditions
 - Will supplement existing programs by adding monitoring stations, enhancing data collection/reporting, and providing an inter-governmental approach
- **Why?**
 - Evaluation of baseline conditions
 - Monitor water quality trends related to growth
 - Use to set and evaluate performance goals

#8 – Collaboration on Public Education Programs

- **What?**
 - Common public education materials and programs with the long-term goal of achieving behavioral change
- **Why?**
 - CWEP isn't a do-it-all solution
 - Can cost-effectively satisfy a minimum regulatory requirement
 - Common county-wide theme is more effective than piecemeal approach

#9 – Maintenance and Inspection of On-site Wastewater Systems

- **What?**
 - Evaluate alternatives and implement effective maintenance and inspection procedures for on-site wastewater systems
 - Develop a database and tracking system for these systems
- **Why?**
 - Required by Session Law to have a program that addresses this issue
 - EPA recognizes leaky systems as an illicit discharge

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Dot Exercise #2 - Instructions

- A sheet for each DRAFT recommendation is posted on the wall
- Using the **YELLOW** dots, identify which three recommendations you'd implement first if you were "King for a Day."
- Please only place a total of three dots for this exercise

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Work Plan for Next Meeting

- Work with staff to develop cost and resource estimates for DRAFT recommendations
 - Focus on utilization of existing staff or sharing of resources among local governments
- Develop implementation strategies that involve collaboration between local governments
- Continue developing draft report of Task Force process for presentation to managers

**Thank You For Your
Time And Interest!**



CDM