

Local Program Report to the SCC

Action Items

Orange County

Orange County's Local Program was reviewed on January 20, 2012. Three persons contribute three Full Time Equivalents to erosion and sedimentation control. The County has 8 active projects. During the past year, the staff approved 30 new projects, conducted 552 inspections and issued two Notices of Violation (NOV). No civil penalties were assessed and 3 stop work orders were issued. Projects are inspected at least once per month. A pre-construction conference is held for every new project.

Five projects were evaluated in the office. The erosion control and sedimentation control plans (plan) for four of the projects reviewed were adequate. The plan for the Hillsborough Medical Center site needed to be revised to reflect additional areas draining to one of the basins. The files included adequate calculations for each project with the exception of Hillsborough Medical Center plan. All of the files were complete and included FRO's, Approval Letters and inspection reports. The five projects were inspected in the field. Four of the projects reviewed were in compliance and one project (Hillsborough Medical Center) was out of compliance.

Cates Creek Sewer Outfall Phase II

All measures were in and functioning. Ground cover was adequate in most areas but several areas needed ground cover, however, the 21 days had not run out. The stream crossing looked good. The site was in compliance.

AKG of America Inc.

All measures were in and functioning. Ground cover was adequate except for one swale that had been regraded recently and a ditch that needed a liner. The site was in compliance.

Carson Property

The project is the construction of a house and had just started. Only the areas that needed to be disturbed in order to install measures had been disturbed, and all appropriate measures had been installed. The site was in compliance.

Trillium Forest

All measures were in and functioning. Ground cover was very good. The site was in compliance.

Hillsborough Medical Center

Sediment basins were not installed correctly. One basin had more water draining to it than it had been designed to handle. Site drainage was not directed to the other basin. There were no measures at the front of property for a culvert installation. There had been slight offsite sedimentation. The site was not in compliance.

Staff recommends continued delegation.

City of Greenville

The City of Greenville's Local Program was reviewed February 9, 2012. One person contributes one Full Time Equivalent to erosion and sedimentation control. The City has 8 active projects. During the past year, the staff approved 20 new projects, conducted 60 inspections and issued no notices of violation. No civil penalties were assessed and no stop work orders were issued.

Five projects were evaluated in the office. The sedimentation and erosion control plans for two of the projects reviewed were not adequate. All plans included calculations. All of the files were complete and included FRO's, Approval Letters and inspection reports. There were plan review comments from the Soil and Water Conservation District in two of the files. All files had a memo to the Planning Department indicating that an E&SC plan had been approved for the project. Building Permits and other permits are held up until a plan is approved. The five projects were inspected in the field. Four of the five projects were out of compliance.

Med Moore Park Phase III – B Lot 1

The project was finished. All exposed surfaces had been provided with sod. The site was in compliance.

Sheetz on N. Memorial

The entrance/exit pads needed maintenance. Silt fence and inlet protection had not been installed according to the plan but, at the time of the inspection, all the inlets were above grade and therefore no water was flowing into them. There was very slight offsite sedimentation being tracked on to the roads adjacent to the project. The site was not in compliance.

Veteran's Hospital (Moye)

Grading had just started. There was no entrance /exit pad. Silt fence was being installed but was not being installed according to the plan. The plan needed to be revised to show a more substantial measure than silt fence in the northwest corner. There was no offsite sedimentation but the potential existed for offsite sedimentation. The site was not in compliance.

Meridian Park Phase 9, 10 and 11

Phase 9 had been completed; Phase 10 and 11 were under construction. An entrance/exit pad needed to be installed and inlet protection needed to be installed on an inlet in Phase 9 because a disturbed area in Phase 10 was draining to the inlet. Silt fence and inlet protection needed maintenance. Sediment had flowed into one inlet and been deposited offsite. The sedimentation was slight. The site was not in compliance.

Firetower Junction

The site needed entrance/exit pads. Inlet protection was not installed according to the plan and needed maintenance. Material had been stockpiled on the site and the plan did not show any stockpiles. There were no measures to stop sediment from going into a pond on site and no measures in the pond to control sedimentation. Sediment had flowed through the pond into a culvert and directly offsite and into a stream. There had been severe offsite sedimentation with the potential for continued severe offsite sedimentation. The site was not in compliance.

Staff will make a recommendation concerning continued delegation at the Commission meeting

City of Charlotte

On February 9, 2012 personnel from NCDENR, Land Quality Section, conducted a review of the City of Charlotte's Local Program. Staff has been reduced to 3.5 FTE's. During 2011, Charlotte conducted 748 total plan reviews. The city also conducted 2,684 inspections during this time frame. The total acreage disturbed equaled 860.44. In this same time frame 17 notices of violations and 15 civil penalties have been issued. Four projects were reviewed in the office and inspected in the field. Three of the sites were in violation.

Time Warner Project "Zebra"

This project consisted of 13.75 acres and was a part of a larger commercial development. The electronic file for this project included an FRO, calculations, approvals and disapprovals. This project was last inspected on 1/17/2012 and was called in compliance. Since the site went to construction, it has not received any Notices of Violations and has been inspected 9 times. The approved plan for this site was found to be adequate but had some minor issues. On the plan some of the measures were outside the limits of disturbance and some of the conveyance measures ran across a fill slope. During the inspection the site was found to be out of compliance. Sediment Basin #1 had been bypassed and sediment laden water was being discharged into the wetland/beaver swamp across from the site. The basin floor had some scour issues and needed to be stabilized. The skimmer in SB #1 was not an approved skimmer, and the drawdown rates could not be verified. The majority of the sediment in SB #1 appeared to be coming from the temporary diversion that discharges into the basin. This diversion was in need of stabilization. The truck wash was discharging into the nearby storm drain instead of being piped into a sediment basin. Inlet protection in various places was not adequate and was in need of additional #57 stone. The site did not have proper vegetation/ground cover on several slopes. Slight offsite sedimentation had occurred since the last inspection. The site was considered to be out of compliance. The city will be issuing a Notice of Violation for this site. Land Quality will follow up to see if the site is brought back into compliance.

Calvary Church

This project consisted of a 13.23 acre institutional project. The electronic file for this project included an FRO, calculations, approvals and disapprovals. This project was last inspected on 1/17/2012 and was called in compliance. The site has not received any Notices of Violations and has been inspected 9 times. The approved plan for this site was found to be adequate. The site was actively being graded and some of the storm-water BMP's had not yet been installed. The sediment traps on site were installed correctly and looked to be catching most of the sediment. Some of the silt fence below the storm-water basin need repair, but overall the site was generally in good condition. The site was considered to be in compliance.

Lost Tree

This project consisted of a 38.0 acre residential subdivision. The file for this project included an FRO, calculations, 404 permit, checklist, letters of approval and disapproval. This project was last inspected on 6/9/2011 and was called in compliance. The approved plan for this site was found to be inadequate due to the need of an additional basin at a low point at the site. A revised plan, that includes additional sediment basins, should be requested so that adequate protection

from offsite sedimentation is provided. Since the site went to construction it has not received any Notices of Violation. The site is active and was found to be out of compliance for several violations. The majority of the violations occurred around the stream crossing where inadequate sedimentation protection was provided. Slopes along the roadway were in need of being repaired and stabilized. Some of the proposed traps were installed, but were either not functional or not maintained and had lost a moderate amount of sediment. The site was considered to be out of compliance and the City of Charlotte will issue a Notice of Violation. Land Quality will follow up to see if the site is brought back into compliance.

Mallard Creek Apartments

This project consisted of a 16.9 acre residential apartment complex. The file for this project included an FRO, calculations, checklist, and letter of approval. This project was last inspected on 1/30/2011 and was called out of compliance. The approved plan for this site was found to be inadequate due to phasing problems in the field with diverting runoff water to properly sized basins. Some of the diversions and piping did not have positive drainage. Since the site went to construction it has not received any Notices of Violation. The site is active and was found to be out of compliance. Sediment traps were not sized properly and showed evidence of being overtopped. Slopes throughout the site were in need of being repaired and stabilized. The majority of the sites sedimentation has come from the lack of temporary ground stabilization. Some of the proposed traps were installed, but were not adequately sized and minor amounts of sediment was lost. The site was considered to be out of compliance.

Staff recommends continued delegation of the program contingent upon the City implementing the following recommendations to improve the program:

1. Any site that is considered to be out of compliance should get written report of all of the corrective actions that need to be performed on site. A "Fail Without Notice" should not be an option on the data entry screen.
2. Language on whether or not the erosion and sedimentation control plan qualifies for coverage under the Construction Stormwater NPDES Permit should be included in either the letter of approval or the grading permit.
3. In the field, a focus should be placed on stabilizing sediment basin slopes and their associated diversions to prevent erosion from occurring from within their measures.