

Action Item C
Local Program Report to the SCC
February 5, 2015

Town of Cary

On December 8, 2013, Joe Dupree and Karyn Pageau conducted a review of the Town of Cary's Local Program. Three staff members contribute 3 full time equivalents to the erosion control program. The Town has 132 active projects and has reviewed 354 plans, with 66 approvals and 288 disapprovals. The town has conducted 1,498 inspections, issued 37 notices of violation, and assessed 2 civil penalty in the past 12 months. Four projects were reviewed, and three were in compliance.

The Town of Cary's Local Program is visiting sites on a frequent basis, which is appreciated. The local program should implement the following recommendations to improve the program:

- 1) Continue to check for self-inspection records on site.
- 2) Remember to establish a timeline for establishing ground cover by documenting when slopes have been graded or areas are left idle in comments section of inspection reports.

Town of Apex

On December 15, 2013, Joe Dupree and Karyn Pageau conducted a review of the Town of Apex's Local Program. Three staff members contribute 1.7 full time equivalents to the erosion control program. The Town has 85 active projects and has reviewed 104 plans, with 36 approvals and 68 disapprovals. The town has conducted 312 inspections, issued 8 notices of violation, and assessed 1 civil penalty in the past 12 months. Five projects were reviewed, and two were in compliance.

The Town of Apex's Local Program is visiting sites on a frequent basis, which is appreciated. The local program should implement the following recommendations to improve the program:

- 1) Continue to check for self-inspection records on site.
- 2) Remember to establish a timeline for establishing ground cover by documenting when slopes have been graded or areas are left idle in comments section of inspection reports.

Orange County

On December 16, 2013, Joe Dupree and Karyn Pageau conducted a review of the Orange County Local Program. Three staff members contribute 3 full time equivalents to the erosion control program. The County has 25 active projects and has reviewed 71 plans, with 71 approvals and 0 disapprovals. The County has conducted 457 inspections, issued 4 notices of violation, 2 stop work orders, and assessed 0 civil penalties in the past 12 months. Four projects were reviewed, and four were in compliance.

Orange County's Local Program is visiting sites on a frequent basis, which is appreciated. The local program should implement the following recommendations to improve the program:

- 1) Remember to request for skimmer dewatering times on drawings and dewatering sequence for temporary pump-around or basin conversion to permanent BMP.
- 2) Remember to establish a timeline for establishing ground cover by documenting when slopes have been graded or areas are left idle in comments section of inspection reports.



North Carolina Department of Environment and Natural Resources
Division Energy, Mineral, and Land Resources
Land Quality Section

Tracy E. Davis, PE, CPM
Director

Pat McCrory, Governor
Donald van der Vaart, Secretary

January 2, 2015

Town of Cary
Engineering Department
Attention: Matthew Flynn, CFM, CESSWI
Stormwater Field Services Administrator
PO Box 8005
Cary, NC 27513

Subject: Sedimentation and Erosion Control Local Program Review

Dear Mr. Flynn:

On December 8, 2013, Joe Dupree and Karyn Pageau conducted a review of the Town of Cary's Local Program. Three staff members contribute 3 full time equivalents to the erosion control program. The Town has 132 active projects and has reviewed 354 plans, with 66 approvals and 288 disapprovals. The town has conducted 1,498 inspections, issued 37 notices of violation, and assessed 2 civil penalties in the past 12 months. Four projects were reviewed.

The following is a summary of the projects that were inspected, weather was cold and sites were workable:

1. Bellewood Manor, LLC

This site is a 12 acre residential project. The file for this project included an FRO, inspection reports, check, calculations, 401 authorization, and an approval letter. The erosion and sediment control plan was approved and was adequate. The last inspection was on 11/25/2014 and the site was out of compliance and a Notice of Violation was sent. The site was active at the time of the inspection and was in compliance.

Comment:

- 1) Continue to provide adequate ground cover on all bare and inactive areas.
- 2) Mulch light in some locations and should be anchored.

2. Park Corner Retail

This site is a 13.4 acre commercial project. The file for this project included an FRO, inspection reports, check, calculations, 401 authorization, and an approval letter. The erosion and sediment control plan was approved and was adequate. The last inspection was conducted on 12/03/2014 and the site was out of compliance. The site was active at the time of the inspection and was in compliance.

Comments:

Continue to provide adequate ground cover on all bare and inactive areas, including the inactive stockpile.

3. Weston Corners

This site is a 18.5 acre residential project. The file for this project included an FRO, inspection reports, calculations and an approval letter. The erosion and sediment control plan was approved and was adequate. The last inspection was conducted on 12/2/2014 and the site in compliance. The site was active at the time of the inspection and in compliance.

Comment:

- 1) Self-inspection/monitoring reports were very thorough and descriptive.
- 2) Repair area disturbed by Time Warner Cable.
- 3) Re-install diversion berm at end of work day to divert runoff toward basin/inlets.
- 4) Continue to provide adequate ground cover on all bare and inactive areas.

4. Kildaire Crossing Ph.1

This site is a 2.62 acre residential project. The file for this project included an FRO, inspection reports, correspondence, calculations, and an approval letter. The erosion and sediment control plan was approved and was adequate. The last inspection was conducted on 12/3/2014 and the site was out of compliance. The site has not received any Notice of Violations. The site was active at the time of the inspection and was out of compliance. Violations included failure to follow approved plan, failure to take all reasonable measures, failure to provide adequate groundcover, and failure to maintain measures.

Corrective Actions:

- 1) Complete stabilization requested per previous inspection report.
- 2) Re-install concrete washout area per plan.

Comments:

- 1) Provide J-Hook and silt fence outlet downstream of stockpile area or storage for runoff concentrating on opposite side of ROW.
- 2) Continue to provide adequate ground cover on all bare and inactive areas.

Conclusion:

The Town of Cary's Local Program is visiting sites on a frequent basis, which is appreciated. The local program should implement the following recommendations to improve the program:

- 1) Continue to check for self-inspection records on site.
- 2) Remember to establish a timeline for establishing ground cover by documenting when slopes have been graded or areas are left idle in comments section of inspection reports.

A summary of the review will be presented to the Sedimentation Control Commission (SCC) on February 5, 2015. Staff will recommend continued delegation. Thank you again for the efforts of you and your staff to protect the State's waters from sedimentation.

Sincerely,

Ashley Rodgers, PE
State Sedimentation Specialist

Karyn Pageau, EIT, CPESC
Assistant State Sedimentation Specialist

cc: John Holley, PE, CPESC, Raleigh Regional Engineer



Site 1 – Check dam with lined channel



Site 2 – Temporary Skimmer Sediment Basin



Site 3 – Temporary Skimmer Basin downstream of apartment building.



Site 4 – Improperly installed concrete washout area.



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Tracy E. Davis, PE, CPM
Director

Pat McCrory, Governor
Donald van der Vaart, Secretary

January 2, 2015

Town of Apex
Attention: Stan Fortier, PE, CPESC
Utility Engineer
PO Box 250
Apex, NC 27502

Subject: Sedimentation and Erosion Control Local Program Review

Dear Mr. Fortier:

On December 15, 2013, Joe Dupree and Karyn Pageau conducted a review of the Town of Apex's Local Program. Three staff members contribute 1.7 full time equivalents to the erosion control program. The Town has 85 active projects and has reviewed 104 plans, with 36 approvals and 68 disapprovals. The town has conducted 312 inspections, issued 8 notices of violation, and assessed 1 civil penalty in the past 12 months. Five projects were reviewed.

The following is a summary of the projects that were inspected, weather was sunny, cold and sites were workable:

1. Mutch Landscaping

This site is a 1.9 acre commercial project. The file for this project included an FRO, inspection reports, check, calculations, certificate of compliance, and an approval letter. The erosion and sediment control plan was approved and was adequate. The last inspection was on 10/15/2014 and the site was in compliance. The site was active at the time of the inspection and was out of compliance. Violations included failure to follow approved plan, failure to maintain erosion control measures, and failure to take all reasonable measures.

Corrective Actions:

- 1) Provide concrete washout area for site.
- 2) Construction entrance needs clean stone and maintenance
- 3) Slight offsite (on property) deposition at silt fence should be recovered/stabilized.
- 4) Temporary diversion needs re-installation *since directed at last baffle before skimmer.*

Comment:

- 1) Continue to provide adequate ground cover on all bare and inactive areas.

2. 2600 Schieffelin Road

This site is a 0.9 acre industrial project. The file for this project included an FRO, inspection reports, check, calculations, and an approval letter. The erosion and sediment control plan was approved and was adequate. The last inspection was conducted on 11/17/2014 and the site was in compliance. The site was active at the time of the inspection and was in compliance.

Comment:

- 1) Continue to provide adequate ground cover on all bare and inactive areas.

3. Evans Creek

This site is a 9.2 acre residential project. The file for this project included an FRO, inspection reports, calculations and an approval letter. The erosion and sediment control plan was approved and was adequate. The last inspection was conducted on 11/24/2014 and the site in compliance. The site was active at the time of the inspection and out of compliance. Violations included failure to follow approved plan, failure to take all reasonable measures, and failure to maintain erosion control measures.

Corrective Actions:

- 1) Install all diversions/berms per plan to convey runoff to sediment basins.
- 2) Stabilize the temporary diversions and the temporary sediment basins.

Comment:

- 1) Provide adequate ground cover on all bare and inactive areas.

4. The Green at Scott's Mill, Sections 8, 9, & 12

This site is a 3.5 acre residential project. The file for this project included an FRO, inspection reports, correspondence, calculations, and an approval letter. The erosion and sediment control plan was approved and was adequate. The last inspection was conducted on 11/26/2014 and the site was out of compliance. Based on this inspection, the Town of Apex issued a Notice of Violation on 12/31/2014. The site was active at the time of the inspection and was out of compliance. Violations included failure to follow approved plan, failure to take all reasonable measures, failure to provide adequate groundcover, and failure to maintain measures.

Corrective Actions:

- 1) Maintain inlet protection and perimeter silt fence. Re-install silt fence where damaged.
- 2) Remove sediment from alley and street.

Comments:

- 1) Some stabilization has been performed since previous inspection and some sweeping of adjacent streets.
- 2) Continue to provide adequate ground cover on all bare and inactive areas.

5. Thales Academy

This site is a 7.3 acre institutional project. The file for this project included an FRO, inspection reports, correspondence, calculations, and an approval letter. The erosion and sediment control plan was approved and was adequate. The last inspection was conducted on 11/17/14 and the site was out of compliance. The site was active at the time of the inspection and was in compliance.

Comments:

- 1) Continue to monitor discharge of skimmer outlet to downstream pond.
- 2) Continue to provide adequate ground cover on all bare and inactive areas.

Conclusion:

The Town of Apex's Local Program is visiting sites on a frequent basis, which is appreciated. The local program should implement the following recommendations to improve the program:

- 1) Continue to check for self-inspection records on site.
- 2) Remember to establish a timeline for establishing ground cover by documenting when slopes have been graded or areas are left idle in comments section of inspection reports.

A summary of the review will be presented to the Sedimentation Control Commission (SCC) on February 5, 2015. Staff will recommend continued delegation. Thank you again for the efforts of you and your staff to protect the State's waters from sedimentation.

Sincerely,

Ashley Rodgers, PE
State Sedimentation Specialist

Karyn Pageau, EIT, CPESC
Assistant State Sedimentation Specialist

cc: John Holley, PE, CPESC, Raleigh Regional Engineer



Site 1 – Sediment Basin



Site 2 – Final site preparation underway with ABC stone and seedbed preparation.



Site 3 – Temporary Skimmer Basin downstream of apartment building.



Site 4 – Inlet shows continued lack of maintenance with grass actively growing.



Site 5 – Temporary skimmer basin to be converted to permanent Stormwater BMP nearer the end of construction.



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Director

Pat McCrory, Governor
Donald van der Vaart, Secretary

January 2, 2015

Orange County
Attention: Howard Fleming, Jr.
Engineering/Stormwater Supervisor
PO Box 8181
Hillsborough, NC 27278

Subject: Sedimentation and Erosion Control Local Program Review

Dear Mr. Fleming:

On December 16, 2013, Joe Dupree and Karyn Pageau conducted a review of the Orange County Local Program. Three staff members contribute 3 full time equivalents to the erosion control program. The County has 25 active projects and has reviewed 71 plans, with 71 approvals and 0 disapprovals. The County has conducted 457 inspections, issued 4 notices of violation, 2 stop work orders, and assessed 0 civil penalties in the past 12 months. Four projects were reviewed.

The following is a summary of the projects that were inspected, weather was sunny, cold and sites were workable:

1. Carolina Friends School

This site is an 8.5 acre institutional project. The file for this project included an FRO, inspection reports, GIS maps, check, calculations, certificate of compliance, and an approval letter. The erosion and sediment control plan was approved and was adequate. The last inspection was on 11/5/2014 and the site was in compliance. The site was not active at the time of the inspection and was in compliance.

Comment:

- 1) Continue to provide adequate ground cover on all bare and inactive areas.
- 2) Provide stabilization in ditch.

2. Forest Ridge Subdivision Phases 1A, 2A, 2B & 3A

This site is a 25.3 acre residential project. The file for this project included an FRO, inspection reports, check, calculations, and an approval letter. The erosion and sediment control plan was approved and was adequate. The last inspection was conducted on 12/11/2014 and the site was in compliance. The site was active at the time of the inspection and was in compliance.

Comment:

- 1) Continue to provide adequate ground cover on all bare and inactive areas as construction progresses. Site currently has very good perimeter groundcover.

3. Krishna Temple

This site is a 6.67 acre institutional project. The file for this project was not as thorough as the others. The plan was received and reviewed in 2007. The erosion and sediment control plan was approved and was adequate. The last inspection was conducted on 7/22/2014 and the site was in compliance. The site was not active at the time of the inspection and was found in compliance.

Comment:

- 1) Site has great groundcover (dormant), consider overseeding or drilling with seasonal small grain seed.

4. Stout Farm Solar Electric Power Plant

This site is a 42.0 acre industrial project. The file for this project included an FRO, inspection reports, GIS maps, stream/buffer determination, correspondence, calculations, and an approval letter. The erosion and sediment control plan was approved and was adequate. The last inspection was conducted on 12/15/2014 and the site was out of compliance. The site was active at the time of the inspection and was out of compliance.

Comments:

- 1) Continue maintenance and to provide adequate ground cover on all bare and inactive areas, especially access road slope leading to substation.

Conclusion:

Orange County's Local Program is visiting sites on a frequent basis, which is appreciated. The local program should implement the following recommendations to improve the program:

- 1) Remember to request for skimmer dewatering times on drawings and dewatering sequence for temporary pump around or basin conversion to permanent BMP.
- 2) Remember to establish a timeline for establishing ground cover by documenting when slopes have been graded or areas are left idle in comments section of inspection reports.

A summary of the review will be presented to the Sedimentation Control Commission (SCC) on February 5, 2015. Staff will recommend continued delegation. Thank you again for the efforts of you and your staff to protect the State's waters from sedimentation.

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Ashley Rodgers, PE
State Sedimentation Specialist

Karyn Pageau, EIT, CPESC
Assistant State Sedimentation Specialist

cc: John Holley, PE, CPESC, Raleigh Regional Engineer



Site 1 – Sediment Basin



Site 2 – Good stabilization on temporary skimmer basin to be converted to permanent Stormwater BMP.



Site 3 – Ground cover established while site remains idle until additional funds raised .



Site 4 – Perimeter controls have been stabilized or seeded and provided with mulch or rolled erosion control product.