



Tiffany Qualls <tiffanyqualls@jacksonnc.org>

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## NOV-2019-PC-0550 - WCU Millennial Campus Apartments - Jackson

3 messages

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**Mitchell, Robert K** <kevin.mitchell@ncdenr.gov> Wed, Jul 31, 2019 at 9:54 AM  
To: "andy.brogdon@wrivercon.com" <andy.brogdon@wrivercon.com>, "ghoffman@cdcgo.com" <ghoffman@cdcgo.com>  
Cc: "Brown, David W CIV USARMY CESAW (US)" <David.W.Brown@usace.army.mil>, "Leslie, Andrea J" <andrea.leslie@ncwildlife.org>, "Aiken, Stan E" <stan.aiken@ncdenr.gov>, Steve Beasley <stevebeasley@jacksonnc.org>, Tiffany Qualls <tiffanyqualls@jacksonnc.org>, Clement Riddle <clement@cwenv.com>, Britten Yant <britten@cwenv.com>, "Sullivan, Shelton" <shelton.sullivan@ncdenr.gov>, "Fox, Tim" <tim.fox@ncdenr.gov>, "Price, Zan (George)" <Zan.Price@ncdenr.gov>, "Davidson, Landon" <landon.davidson@ncdenr.gov>, "Brooks, Richard C" <rick.brooks@ncdenr.gov>

All,

Please find the attached Notice of Violation and Recommendation for Enforcement for the subject site. A hard copy will be mailed today. I have also attached a figure that ClearWater Environmental had submitted with the Sediment Removal Plan for reference. Please let me know if you have any questions.

Kevin Mitchell

Environmental Specialist – Asheville Regional Office

Water Quality Regional Operations Section

NCDEQ – Division of Water Resources

828-296-4650 Office

Email [Kevin.mitchell@ncdenr.gov](mailto:Kevin.mitchell@ncdenr.gov)

2090 U.S. Hwy. 70

Swannanoa, N.C. 28778



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**2 attachments**

 20190731\_WCUMillennial Apartments\_NOV2019PC0550.docx.pdf  
558K

 Fig2\_CEC.PDF  
3202K

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Gregory Hoffman <ghoffman@cdcgo.com>

Thu, Aug 1, 2019 at 3:04 PM

To: "Mitchell, Robert K" <kevin.mitchell@ncdenr.gov>, "andy.brogdon@wrivercon.com" <andy.brogdon@wrivercon.com>  
Cc: "Brown, David W CIV USARMY CESAW (US)" <David.W.Brown@usace.army.mil>, "Leslie, Andrea J" <andrea.leslie@ncwildlife.org>, "Aiken, Stan E" <stan.aiken@ncdenr.gov>, Steve Beasley <stevebeasley@jacksonnc.org>, Tiffany Qualls <tiffanyqualls@jacksonnc.org>, Clement Riddle <clement@cwenv.com>, Britten Yant <britten@cwenv.com>, "Sullivan, Shelton" <shelton.sullivan@ncdenr.gov>, "Fox, Tim" <tim.fox@ncdenr.gov>, "Price, Zan (George)" <Zan.Price@ncdenr.gov>, "Davidson, Landon" <landon.davidson@ncdenr.gov>, "Brooks, Richard C" <rick.brooks@ncdenr.gov>, Robert Jones <robertjones@zdc.com>

Kevin,

As referenced in the NOV, we met on site with you and others on July 23, 2019 to review the erosion control measures for the site and the plan moving forward as a result of off-site sedimentation that occurred around July 15, 2019. The off-site sedimentation that occurred then appears to be have been caused by the overtopping and then head cutting of the berms of sediment basins C and D. The project was under an NOV issued by your office at that time. The project had just recently had an NOV issued by Land Quality lifted prior to the July 15, 2019 event. The contractor measured 4.5 inches of rain on site over a 3 day period, with 3 inches on July 14, 2019 which is the final day of that period.

At our meeting held on site it was discussed that measures above and beyond standard design requirements should be installed to prevent further off-site sedimentation. The permitted erosion control measures are designed for the 10-year design storm. The following additional measures were performed after our July 23, 2019 meeting:

- Enlarged basin C so that it is designed for the 25-year storm. The dimensions are 156'x55'.
- Increased the depth of Basin C and D as much as possible by raising the berms. 5 feet was the target depth and they were increased to provide a depth of 5-6'.
- Added a temporary ditch across temp Dr. Killian Road near the location of the old barn. This will redirect water from Basin D to Basin C and reduce the drainage area for Basin D.
- Finished installation of the clean water bypass above the cut slope. This was not completely installed at the July 15 event or during our July 23 meeting but was in the process of being installed. Installation of this ditch allows runoff from a significant area to be bypassed around the site.
- Additional slopes have been hydroseeded.
- Additional stilling basins and check dams have been installed on-site, upstream of the sediment basins.

To date, there have not been any issues with the functioning of basins A or B.

Since our meeting, the contractor has worked diligently to repair the site in accordance with the approved plans as well as installation of the above noted additions. Land Quality performed a compliance inspection on July 30, 2019 and lifted their NOV on July 31, 2019. Documentation of that is attached to this e-mail. Additionally, the stream remediation has been completed and documented by Clear Water Environmental by letter on July 31, 2019. That letter is also attached to this e-mail. I believe a compliance inspection has been scheduled with you for August 5, 2019.

Please recognize that the entire project team has been diligently working to stabilize the site to prevent additional off-site sedimentation and to remediate the damage that was caused as soon as the initial off-site sedimentation occurred which resulted in the project's first NOV's.

Thank you,

Greg

**Gregory Hoffman, PE**

**Civil Design Concepts, P.A.** o. (828) 252-5388 c. (828) 707-1334

**Office locations:** [168 Patton Avenue Asheville, NC 28801](#) | [52 Walnut Street ~ Suite 9 Waynesville, NC 28786](#)

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**2 attachments**



**CEC Report NOV-2019-PC-0470.pdf**  
2305K



**Inspection Report 7-30-2019.pdf**  
42K

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**Price, Zan (George)** <Zan.Price@ncdenr.gov> Fri, Aug 2, 2019 at 10:29 AM  
To: Gregory Hoffman <ghoffman@cdcgo.com>, "Mitchell, Robert K" <kevin.mitchell@ncdenr.gov>,  
"andy.brogdon@wrivercon.com" <andy.brogdon@wrivercon.com>  
Cc: "Brown, David W CIV USARMY CESAW (US)" <David.W.Brown@usace.army.mil>, "Leslie, Andrea J"  
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<landon.davidson@ncdenr.gov>, "Brooks, Richard C" <rick.brooks@ncdenr.gov>, Robert Jones <robertjones@zdc.com>

Greg,

Thank you for this correspondence and site summary. See the attached photographs we received this morning from a rain event on August 1, 2019. The DWR is very concerned with the continuing turbidity discharges from the site. DWR staff are still planning to complete a compliance inspection on August 5, 2019.

Please coordinate any erosion and sedimentation control modifications and site stabilization measures with the Division of Energy, Minerals, and Land Resources to prevent additional water quality standard violations.

Regards,



Zan Price, PE  
*Assistant Regional Supervisor, Asheville Regional Office*  
*Water Quality Regional Operations Section*  
North Carolina Department of Environmental Quality  
828.296.4662 (Office)  
828.231.9634 (Cell)  
Zan.Price@ncdenr.gov

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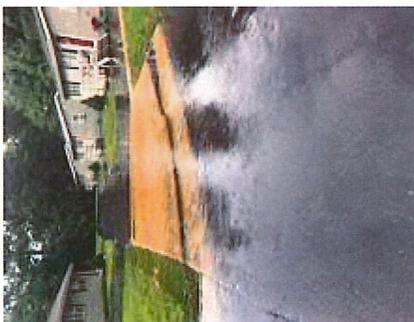
**From:** Gregory Hoffman <[ghoffman@cdcgo.com](mailto:ghoffman@cdcgo.com)>  
**Sent:** Thursday, August 01, 2019 3:04 PM  
**To:** Mitchell, Robert K <[kevin.mitchell@ncdenr.gov](mailto:kevin.mitchell@ncdenr.gov)>; [andy.brogdon@wrivercon.com](mailto:andy.brogdon@wrivercon.com)  
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**Subject:** [External] RE: NOV-2019-PC-0550 - WCU Millennial Campus Apartments - Jackson

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### 3 attachments



**Pic1.jpg**  
75K



**Pic 3.jpg**  
98K



**Pic 6.jpg**  
159K