



COUNTY OF LINCOLN, NORTH CAROLINA

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DEPARTMENT OF PUBLIC WORKS

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MEMORANDUM

To: Kelly Atkins, County Manager
From: Don Chamblee, Public Works Director
Date: October 29, 2018
Subj.: Allocation of Wastewater at the Killian Creek Waste Water Treatment Plant

Since the last update on July 16, 2018, the Board of Commissioners provided direction to reduce the 8 percent of wastewater treatment capacity being retained for non-residential development to 4 percent. The Killian Creek WWTP has reached the 86% BOC approved residential limit to provide allocation for future developments and/or submittals. Developments with allocated wastewater permitted will continue to be completed and have available wastewater for new construction.

The Utility has approved 4 new residential development submittals since the BOC directed reduction in the retained non-residential sewer capacity. Thus, the County has added an additional 577 residential units.

The County has a first come, first serve basis for new developments proposing to connect to Public Utilities.

The current Utility allocation is limited to 90 percent of the Killian Creek WWTP permitted flow of 3.35 MDG. The County began design of the plant expansion approximately a year ago. The Utility may begin further allocation up to 100 percent of the plant capacity when construction begins on the plant expansion. The expansion is anticipated to be completed in December 2020; doubling the flow capacity to 6.6 MGD.

In summary, the County has retained 4 percent flow for new non-residential developments. The existing lots permitted for public wastewater and septic remain as a buildable option. There are several development projects in for review, but have not completed their applications. These developments cannot receive any residential wastewater allocation as Lincoln County provides allocation on an as available, first come, first serve basis, based on a complete Design Manual Submittal Package and the Killian Creek WWTP has reached the 86 percent residential wastewater capacity. Public Utilities will continue to review any and all residential subdivision submittals for compliance with the Design Manual and they may be considered for residential wastewater flow allocation upon construction commencement for the expansion of the Killian Creek WWTP in compliance with NCDEQ Rules and Regulations. Attached is the most current schedule for the Killian Creek WWTP expansion project.

