

1. How did we get to this point? Is it a capacity issue?

A: The Eastern Davie sewer area has drained approximately \$1.7 million dollars from Utility finances over the last five years, and it has become increasingly difficult to find the necessary wastewater capacity to support economic growth in Eastern Davie. Davie County commissioned a study to determine the Eastern Davie's most economical solution. This study proposed the Carter's Creek 27,000-foot gravity sewer line, and the option of a new wastewater treatment plant. That study was based on information available at the time and showed that the least expensive option was for the County to build its own wastewater treatment plant in Eastern Davie.

2. If the wastewater treatment plant option is "taken off the table" does that mean that the vented interceptor line would still come from Smith Creek down Carter's Creek?

A: This option was proposed by two professional engineering firms and is being looked at in depth with other alternatives being explored for the most economical and environmental solution for the County.

3. Can you specify the three alternatives mentioned in your presentation?

A: (1) Land Application, (2) Build a new Wastewater Treatment Plant, and (3) Regionalization (The interceptor force main running to Muddy Creek Wastewater Treatment Plant) with the City-County Utilities Commission.

4. What are the differences between the Interceptor option and the Wastewater Treatment Plant option?

When Davie County makes a choice of what option is best for the County, a sewer extension will be needed to carry wastewater to a new wastewater treatment plant or a pump station to transfer wastewater to the City-County Utilities Commission. The system may include a 27,000-foot gravity sewer line running from Smith Creek to Carter's Creek to convey the wastewater, and then either pumping to the City-County Utilities Commission system by crossing under the Yadkin River, or treating and discharging into the Yadkin.

5. Has compensation for land owners been considered?

A: No, because no option has been selected. Once an option is selected and land is needed for a project, any land acquired for the project will be acquired in accordance with state laws governing land acquisition.

6. Can the Bermuda Run sewer system be expanded to adequately serve the area North of 158?

A: No, facing challenges resulting from an aging treatment facility and expecting nutrient limits to be levied by 2019, this facility was constructed in a Yadkin River regulated floodway prior to enforcement of current regulations. While the structure is not flood prone, if significant modifications are preformed, current regulations will require the plant to be relocated.

7. Has property de-valuation been considered in the cost estimate

A: No. Once an alternative is selected, the County will commission an appraiser to appraise any property that is needed for the selected alternative. The appraiser will also be asked to render an opinion as to whether the project will affect property values in close vicinity.

8. How much was budgeted for land acquisition?

A: No budget for land acquisition has been determined. When an alternative has been selected, the County will develop a more definitive project budget, including costs for land acquisition.

9. Have the studies eliminating the Cooleemee WWTP option been made public?

A: Yes this option is now available on the Davie County Website (www.daviecountync.gov) on a new page that has been created for Eastern Davie Sewer Information.

10. Why was the open land along the Yadkin River North of I-40 not considered?

A: The scope of the Eastern Davie Wastewater study was the entire 20+- sq. mi. drainage basin that represents the Eastern Davie area. A plant north of I-40 would not feasibly serve the greater area and would discharge into an impaired section of the river upstream of the Winston-Salem water intake.

11. Were the Engineers given the opportunity to examine all feasible options or were they limited to specific choices?

A: Yes. This project was open for any consideration or professional opinions by two professional engineering firms.

12. Is there a risk analysis and environmental research to support a pipeline along Carter's Creek?

A: Wetlands and other environmental surveys were performed and are included in the report by Grey Engineering, Inc.

13. Has the "other option" referenced at the August 18th meeting been considered?

A: All options mentioned have been considered for the most economical and environmental solution for the problems Eastern Davie faces.

14. Do they take the sewer plant out of consideration?

A: Due to cost analyses that have been provided, this does not take the plant out of consideration but builds a stronger case that regionalization (pumping to City-County Utilities Commission) is more economical for Eastern Davie. With the terms of a contract with City-County Utilities Commission being a big deciding factor in the decision.

15. If the gravity line is built, isn't it just a matter of time before the sewer plant is built?

A: Davie County is looking for a long-term solution for the sewer issues facing the County. When an option is chosen this will be a final decision for a solution for the sewer issues. If a pump station is built, no sewer plant will be built. The state controls issuance of all discharge permits and this process would involve alternative analysis and public notification.

16. Why can't the existing line be used?

In previous conversations with the City-County Utilities Commission, it has made clear that for the treatment rate option (the inside-city rate) to be considered, Davie County must deliver the wastewater directly to the Muddy Creek Wastewater Treatment Plant. The existing lines are also close to max capacity, as well as the Tanglewood Pump Station. This is not considered a "long-term fix" for the sewer issues Davie County is facing.

17. If this is required as a result of Bermuda Run's Comprehensive Plan, why doesn't Bermuda Run expand and update its existing facility to meet its own needs?

Bermuda Run's existing facility collects and treats less than half of the wastewater generated in the Eastern Davie area. The facility is located in a floodway. The required land for an upgrade and expansion is not available, and the current Bermuda Run facility discharges approximately 1.9 miles above a Winston-Salem water intake in an impaired section of the Yadkin River.

18. Will the marshlands below Bermuda Run West be impacted?

Some wetlands along Smith Creek and Carter's Creeks would be temporarily impacted under a Corps of Engineer's nation-wide permit for pipeline construction. The pipeline would be built below ground and the impact would be temporary. The wetlands will grow back.

19. If there is a sewer line available and septic tanks fail, will residents be forced to tap on?

No. Davie County does not have a mandatory connection policy.

20. Has the environmental impact study requested by petition been done?

An environmental assessment will be performed after an alternative has been selected. The assessment will be conducted in accordance with state law. The findings and the impact will be publicly disclosed.

21. When will it be done?

The assessment will be commissioned as soon as a final decision on the alternatives under consideration is made.

22. Who will pay for it?

The cost for the assessment will be paid for with Public Utilities funds that come from the users of the system.

23. What size easement will be required?

Typical gravity sewer permanent easements for this project would be 30' wide. An additional 10' temporary construction easement would be needed that would revert to the property owner after construction.

24. Will residents have access to the land after easement is granted?

Yes. Residents will have access to the property. The easements will be maintained by Public Utilities Staff as required by DENR (Division of Environmental Resources)

25. Why should Davie County taxpayers pay for something they won't use?

Davie County Public Utilities is a standalone Enterprise Fund. All capital projects are completed with user fees. No property taxes will be used for this project.

26. Was the discovery meeting from September 2012 advertised?

First, there was not a "discovery meeting" in September, 2012. The Davie County Board of Commissioners did hold a public work session on September 19, 2012 to hear a presentation by McGill Associates on a study McGill had prepared for the County entitled "East Davie Wastewater Master Plan". The purpose of the work session was merely to hear from McGill as to their recommendation to the County based upon a study McGill had preformed. There was no action anticipated or taken by the Board of Commissioners at this meeting. Since this was merely a work session wherein no action was to be taken by the Board of Commissioners, the Clerk to the Board published a notice to the County website and to the media and members of the "Sunshine List", and posted the notice on the bulletin board, pursuant to N.C.G.S. 143-318.12.

The County maintains a "Sunshine List" of interested citizens who have registered to be notified about meetings. Citizens may have their email addresses added to this list by contacting Brenda Hunter, Clerk to the Board, at brenda.hunter@co.davie.nc.us

27. Can proof of advertisement be provided?

Public meetings such as informational work sessions are not advertised in the newspaper. Public hearings, when the Board of Commissioners may take action, are advertised in the newspaper, and the notices are kept on file in the Clerk to the Board's Office.

28. If there's a flood will raw sewage spill out?

No. All infrastructures that will be underneath the 100-year flood levels will be sealed so nothing can get in or out.

29. Have the Hall's been approached about selling their land?

No offers have been made to the Hall's about purchasing property.

30. What is the distance for expected odors from the plant?

A properly operated plant should not produce offensive odors. However, if a plant were constructed, it would include odor control capabilities.

31. Is the study completed for the 3rd option?

No. The study of the 3rd option will be completed in December.

32. What remains to be done?

An engineering analysis of the 3rd option has been commissioned. Once received, the analysis will be shared with the Board of County Commissioners, residents who have signed up for email notifications, and it will be posted on the County's website.

33. Can we consider placing a moratorium on the project until all the facts are considered?

No project has been authorized and will not be authorized until the Board of Commissioners is satisfied that all facts are known.

34. What is the timeline for an environmental study?

The environmental assessment will be commissioned after an alternative has been selected. It usually requires approximately one hundred twenty (120) days. Completion time will vary depending upon weather and other seasonal conditions.