

A-4, READY FOR SEWER 2009

“we have concluded that the system is feasible and ready to move forward to permitting.”

- completed the mounding analysis
- chosen a specific package sewer plant system
- already dug soil test pits and picked locations for two plants
- identified the full extent of Richland Village sewer service boundaries
- modeled the sewer plant at buildout capacity, sufficiently sized to hook up every existing home and business twice over.
- A preliminary nitrate dilution model to dispose the wastewater on site is complete

Gene Pettit

From: David Kutner [David.Kutner@njpinelands.state.nj.us]
Sent: Friday, February 05, 2010 12:55 PM
To: Gene Pettit; david@snsce.com
Cc: peterson_john@aclink.org; Rick Dovey; bvt99chuck@aol.com; buenavst-mayor@comcast.net; Ed Wengrowski
Subject: Richland village sewer service area

Good afternoon-

I hope everyone is well.

Several weeks ago I contacted you about our efforts to work with DEP to ensure that the Richland Village sewer service area can be encompassed within the Atlantic County Sewer Service Area. In a meeting that occurred in January, DEP agreed that Pinelands regional growth areas, towns and villages - including Richland Village - constitute **planned** sewer service areas. However, it's still necessary to provide them with information that demonstrates that a planned system can work. **I believe most of the analysis we need has already been performed.**

Gene, could you please provide a written description of the preliminary groundwater mounding analysis and include the preliminary findings (i.e., maximum groundwater mound elevation and preliminary dispersal field level of infiltration (bottom of stone) - demonstrating minimum four feet between top of maximum groundwater mound and level of infiltration) that you've reached? Also, could you please summarize your preliminary assessment of system technologies and indicate the technology(ies) that are/is best suited to our site (and include estimated effluent TN concentration)? Any general conclusions that we can make regarding NO3 concentrations at parcel boundary to satisfy DEP's nitrate modeling requirements would be helpful.

David could you please provide a site plan showing soil mapping, our test pit locations, detailed soil test pit logs with assigned suitability classifications (see NJAC 7:9A Table 10.1: e.g. I, IISc, etc.), estimated permeability (K class probable ok at this point) at zone of treatment and zone of disposal - including the results from the soils samples (if collected and tested) and the preliminary conclusions regarding the site suitability determination? It would probably be useful if the soil data is presented to DEP on their Standard Forms for Submission of Soils/Engineering Data - Appendix B of NJAC 7:9A. We should include service area boundary maps as well as the build-out and demand analysis that you've completed.

You may recall a similar request for this material from a prior e-mail. We still need to present a package of information that demonstrates that we've reached the preliminary conclusion that the site is suitable for a POTW-DGW treatment facility, show probable location(s) for DGW and demonstrate that we have met a reasonable threshold to be identified as a Sewer Service Area, and that we're ready to move forward (with additional final studies and design work) to permitting.

Please let me know if you have any questions or need help assembling the data. Thanks.

RichlandVillage Community Waste Water System
Items completed
Soils test pits and identified 2 suitable effluent disposal areas
Identified service area boundaries
Completed build-out analysis and demand projections
Completed preliminary mounding analysis
Preliminarily identified on-site Biological Nitrogen Reduction treatment technology
Conducted preliminary nitrate dilution model

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Memo to David Scheidegg, Gene Pettit, John Peterson

Good morning-

I ran into Rick Brown, from DEP's Office of Policy, Planning and Science this morning and took the opportunity to briefly discuss the Richland Project. He suggested that in order to ensure that the Richland Village sewer service area can be encompassed within the Atlantic County Sewer Service Area we need to assemble data that has been compiled to date and present it to Ron Bannister to obtain his concurrence that the project meets DEP's rule for project readiness to be included in the County's Plan and has a high probability of receiving a permit. Rick suggested that we provide this information prior to our meeting.

Gene, could you please provide a written description of the groundwater mounding analysis you've conducted. Also, could you summarize your assessment of system technologies and the conclusion you reached on what system should be used?

David could you please provide a description of the permeability analysis - including the results from the soils samples and the preliminary conclusions regarding the site suitability determination? We should include service area boundary maps as well as the buildout and demand analysis that you've completed.

John, it would be helpful to provide a memo that states that the County intends to include the Richland area within the County's SSA and plan.

We need to present as complete a package as possible and demonstrate that we have concluded that the system is feasible and ready to move forward to permitting.