Justin Henderson

From: Angoli, Trish <trish.angoli@dhhs.nc.gov>
Sent: Thursday, October 30, 2014 10:33 AM
To: Justin Henderson
Cc: Donald Munday; 'Ashley Rollans'; David DeCaron
Subject: RE: Tomlin Mill One Stop Septic System

Justin,

I have reviewed the proposal and we discussed everything this morning.

We agree with the adjusted design flow of 132 gpd for the kitchen wastewater and adjusted design flow of 724.2 gpd for the domestic wastewater from the rest of the convenience store.

Both fields have been assigned an LTAR of 0.25 gpd/sq ft.

Field A which will serve the kitchen wastewater will have the lowest two laterals removed due to fill placed on top of the laterals. A total of 365 linear feet of line remain for Field A.

Field B which will handle all the domestic wastewater needs a total of 725 linear feet total. Field B currently only has 521/525 linear feet total. Two new laterals will be added so that the total line length for all laterals in Field B will be 735 linear feet.

The operation permit should include the following conditions when re-issued.

1. Annual effluent samples are required to be pulled from the pump tank and must meet the following limits: BOD – 660 mg/L and TSS – 100 mg/L. The samples are allowed to exceed the limits by no more than 10%.
2. Monthly water use readings are required and must be submitted to the health department every six months. The average daily water use cannot exceed 856 gpd for 11 out of every 12 months. One month out of every year the average daily water use may exceed 856 gpd.
3. If the effluent characteristics or water use characteristics exceed these limits, the store should be notified immediately and given 30 days to come back in to compliance.

If you have any questions, please let me know.

Thanks
Trish

Patricia M. Angoli, PE
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From: David DeCaron [mailto:ddecaron@pdapa.com]
Sent: Wednesday, October 22, 2014 4:29 PM
To: jhenderson@co.iredell.nc.us; Angoli, Trish
Cc: Donald Munday; 'Ashley Rollans'
Subject: Tomlin Mill One Stop Septic System

Justin and Trish,
Attached are the plans & calculations for the Tomlin Mill One Stop Septic System with the addition of food service. I have also attached the floor plan. If you have any questions or concerns, please feel free to contact Donald or myself.

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