

North Carolina
Department of Environment and Natural Resources

Michael F. Easley, Governor
William G. Ross Jr., Secretary
Terry L. Pierce, Director
Ted Lyon, Section Chief



October 5, 2007

Oliver Tolksdorf, RS
Soil Scientist
Harnett County Health Department
307 Cornelius Harnett Blvd.
Lillington, NC 27546

RE: File No. 0750017917

Dear Mr. Tolksdorf:

On June 27, 2007, Krishaun Brewington applied for an improvement permit for Lot B, C.L. Tart Subdivision, Blackman Road, Erwin, NC. James A. Brewington owns this lot which is 0.75 acre. A two-bedroom house is desired. There will be county water. The property corners and house corners are identified in the field. The Harnett County Health Department (HCHD) previously denied the improvement permit.

On August 7, 2007, the On-Site Water Protection Section (OSWPS) evaluated the lot at the request of the HCHD, on behalf of Krishaun Brewington. Evaluations from soil borings were made by David V. McCloy, OSWPS Regional Soils Specialist. Also present were Oliver Tolksdorf and Bryan McSwain of the HCHD and Krishaun Brewington and several family members. The evaluations were done by the criteria as set forth in the Laws and Rules of Sewage Treatment and Disposal Systems (Article 11 of Chapter 130A of the General Statutes of North Carolina and Rules .1901-.1970 of Title 15A, Subchapter 18A of the North Carolina Administrative Code).

Please share the results of this evaluation with Krishaun Brewington. The following is a summary of the six factors for site and soil evaluation (Rule .1939) for Lot B on Blackman Road:

1. Topography and landscape position (Rule .1940)

* The lot is on a 0 percent interfluv landscape position.

1642 Mail Service Center, Raleigh, North Carolina 27699-1642
Phone: 919 - 733-2895 \ FAX: 919 - 715-3227 \ Internet: www.deh.enr.state.nc.us/oww/

2. Soil characteristics (morphology) (Rule .1941) – **Unsuitable**

- * The first 0 to 4 inches below the soil surface has weak fine granular soil structure and silt loam soil texture. Below 0 to 4 inches and 48 inches there is massive silty clay loam or clay loam. The soil mineralogy is slightly-expansive throughout all of the soil borings

3. Soil wetness condition (Rule .1942) – **Unsuitable**

- * Evidence of unsuitable soil wetness (soil colors with chromas of ≤ 2 and percent abundance ≥ 2 percent) ranges between 4 and 10 inches below the soil surface.

4. Soil depth (Rule .1943) – **Unsuitable**

- * Soil depth to parent material is 0 to 4 inches.

5. Restrictive horizons (Rule .1944)

- * There are no restrictive horizons.

6. Available space (Rule .1945) – **Unsuitable**

- * There is no available space for both initial and repair septic systems.

In summary, an improvement permit for Lot B on Blackman Road cannot be issued due to the following unsuitable soil properties:

- * **Unsuitable soil structure**
- * **Unsuitable soil wetness**
- * **Unsuitable soil depth**
- * **Insufficient available space**

Krishawn Brewington has the following options that would provide for the use of Lot B on Blackman Road as desired.

- * She may purchase other property with suitable or provisionally suitable soils to place the initial and repair septic systems. Pumping the sewage effluent off-site from Lot B would be required.
- * She may obtain an easement to other property with suitable or provisionally suitable soils to place the initial and repair septic systems. Pumping the sewage effluent off-site from Lot B would be required.

If I can be of further assistance, please telephone me or fax me at (910) 692-4118. My mailing address is 130 Williams Road, Southern Pines, NC 28387. My e-mail address is david.mccloy@ncmail.net.

Sincerely,

David V. McCloy

David V. McCloy, Ph.D., R.S.
OSWPS Regional Soils Specialist

cc: File