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Maria Dotson

From: Steve Hedrick
To: Maria Dotson
Cc:
Subject: Sand-Lined
Sent: Fri 9/2/2011 3:22 PM
Attachments: 20110902151656595.tif(134KB)

Maria,

Please find the two (2) page soil/site evaluation form attached to this email.

(1) 15A NCAC 18A .1956(7) (a) (vi) states "if the texture of the receiving permeable horizon is sandy loam or loam, and the system design flow is greater than 600 gallons per day, the saturated hydraulic conductivity of the permeable horizon shall be field-determined". The texture in front of the house was sandy loam beginning at 48" and the texture at the top of the hill was loam beginning at 51".

(2) 15A NCAC 18A .1956(7) (b) (ii) states "The minimum thickness required of the receiving permeable horizon is dependent upon the texture of the receiving horizon as follows:

(ii) sandy loam or loam – 2 feet thick

(3) 15A NCAC 18A .1956(7) (a) (i) states "if the receiving permeable horizon is deeper than five feet below the natural grade, the effluent is to receive pretreatment to TS-I or TS-II level prior to

pressure dispersal in the sand lined trenches.

Therefore, (1) the site must be evaluated by an LSS with the capability to perform a saturated hydraulic conductivity of the permeable horizon. (2) The trench bottoms would need to be 72" and 75" respectively, and (3) as a result would require pretreatment.

R. Steve Hedrick, REHS

Iredell County Health Department

Program Specialist - OSWP Section

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