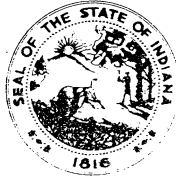


Frank L. O'Bannon
Governor

Gregory A. Wilson, M.D.
State Health Commissioner



Indiana State Department of Health

An Equal Opportunity Employer

DATE: August 14, 2001

TO: Adams, Allen, Blackford, DeKalb, Delaware, Grant, Howard, Huntington, Jay, Miami, Noble, Randolph, Steuben, Wabash, Wells, and Whitley Counties

FROM: Howard W. Cundiff, P.E., Director *HWC*
Consumer Protection
AC (317) 233-7182

SUBJECT: Residential and Commercial On-site Sewage Systems and
Recessional Moraines in Northeastern Indiana
Update to Memoranda of June 19, and July 18, 2001

The following are revisions to the procedures for the evaluation of recessional moraine soils in the designated counties, or designated portions of counties, in northeast Indiana:

- The Del-Ray soil series must be added to the list of NRCS soil series which may contain recessional moraine soils characteristics. This list is now 1.) Blount, 2.) Bono, 3.) Del-Ray, 4.) Glynwood, 5.) Hoytville, 6.) Milford, 7.) Montgomery, 8.) Morley, 9.) Nappanee, 10.) Pewamo, 11.) St. Clair, and 12.) sites that contain areas of severely eroded soils that have clay loam, silty clay loam, silty clay, or clay surface textures.
- If the site being evaluated contains any of the eleven soil series named in my memorandum of July 18, 2001, the procedure in the flow chart must be followed. However, if the Soil Scientist conducting the evaluation determines that the soil is in a coarser textural family than the textural family of the soil series which has been mapped, the procedure does not need to be applied.
- If the site being evaluated does not contain any of the eleven soil series, the procedure does not need to be applied.
- If the site being evaluated does not contain one of the eleven soil series, but a soil scientist recognizes what may be moraine characteristics during an examination of the soils, the procedure must be applied.
- If the result of the mechanical analysis is forty (40) percent or greater, the modified permeability test must be conducted. This change in percentage from fifty to forty percent is due to modifications to the laboratory procedure. The modified procedure more accurately measures the clay content separately from the silt content.

With this procedure, the location of the site in relation to the location of the recessional moraine is not necessary in order to determine if the procedure must be applied. However, in order to continue our assessment of recessional moraine soils and their impacts to on-site sewage disposal, the location of each site in relation to the location of the recessional moraine must be identified.

If you have any questions, please contact my on-site sewage disposal staff at 317-233-7177.

cc: On-Site Sewage Staff
Soil Scientists