Limitations for Septic Tank Absorption Fields - Texas (2008)


Septic Tank Absorption Fields
 userin site selection for safe disposal of household effluent. Septic tank absorption ifilds are subsurface systems of tile or perforated pipe that
distribute effluent from a septic tank into the natural soil. The centerine depth of the tile is assumed to be 24 inches or deeper. Only the soil between dephths of 24 and 60 inches is considered in makint the ratings. Soil pro
and site features considered are thoses that affect the absorpion of the efluent, those that affect the construcion and maintenance of the syste

Sois are rated and placed into septic tank absorption field interpretive
rating classes per their rating indicices. These are ont limited rating classes per their ratitg indices. These are not imited (rating index
$=$ =), somewhat limited (rating index $>0$ and 1.0 ), or very limited (rating
index $=1.0$.

Soil properties and quarities that affect the absorption of the effluent
permeabilit, deepth to a seasonal high water table, depth the trock permeability, depth to a seasonal high water table, depth to bedrock,
depth to a cemented pan, and susceptibility to flooding. Stones and boulders and a s sallow deptht ot ordorck, ice or or cementiod pan interfere with
installation Subsidence interfers with installation and maintenace. Excessive slope may cause lateral seepage and surfacing of the effluent in down-slope areas. In addition, soil erosion is a a hazard where absortion
fields are installed in inseep soils

Some sois are underlain by loose sand and gravel or fractured bedrock
ata depth less sthan 4 feet below the distribution lines. In these soils the


This interperetaion is applicable to both heavily populated and sparsely
populated areas. While some general observations may be made, onsite
 design, or instalalition may cuase contamination of goround water, seepae
to the soi surface, and contamination of stream systems from surface to the soil surface, and contamination of stream systems from surface
drainage or flood water. Potential contamination may be reduced or eliminated by instalinins systems designed to overcome or reduce the effects
of the limiting soil property.



WaterNull or No Data 0.00: Not Limited
0.01 to 0.20 Slighty Limited

