

## SOIL ANALYSIS PROCEDURES

1. Soil Analysis Fees (Exhibit F - COST ANALYSIS - METHODS OF SOIL EVALUATION and MILEAGE SURCHARGE ANALYSIS FOR EQUIPMENT USE)
2. Soil analysis Soil analysis began on January 1, 2000, which is being conducted in lieu of percolation tests. Soil analysis will take into account *Soils, Landscape, Landform, Slope Shape and Type of Slope* as well as *Topology of the area*.
3. Loading rates will be assigned by the soil profile description by layer in the potential soil absorption field (Exhibit G - LOADING RATES 2003 - Parts I & II). Loading rates are more consistent than percolation tests because, they are determined by soil properties and do not vary with extreme weather conditions. These properties are *soil texture, soil color, redoximorphohic features, soil structure, and parent materials*.
4. Transect will be conducted in the potential soil absorption field. *Transect is made up of several soil borings to determine the depths to limiting layers, colors that affect seasonal high water table, and to check active water table on site (Exhibit E - SOIL BORING AND TRANSECT OF ON-SITE WASTEWATREER AND DISPOSAL SYSTEMS SITE)*.
5. Percolation tests may still be done in cases *when the site has been altered or compaction of heavy equipment traffic*. Alternative methods may be used to determine soil compaction in the area.
6. Costs:

Equipment use and time to conduct the soil analysis per home site will use adjustable fee schedule (Exhibit F - COST ANALYSIS - METHODS OF SOIL EVALUATION and Option 1 - MILEAGE SURCHARGE ANALYSIS FOR EQUIPMENT USE)

Sites, where it is not suitable for soil absorption field, will be determined by the site evaluation or soil analysis. This will be included in the Permit and Soil Analysis Fees. The Environmental

Specialist/Sanitarian is the person, who can determine this waiver. In these cases, the Soil Analysis Fee may be refunded upon the result of the site evaluation.