7081.0180 SOIL INTERPRETATION FOR SYSTEM DESIGN.

Subpart 1. **Site and soil information.** Site and soil information gathered in parts 7081.0160 and 7081.0170 must be interpreted for suitability for MSTS siting, design, and construction, with consideration of the following:

A. surface features impacts from precipitation, run-on, and interflow or any other item that could have potential to adversely impact the ability of the soil to accept water;

B. cultural features impacts, including, but not limited to, setbacks and easements;

C. site conditions affecting system layout, distribution system requirements, and constructability;

D. layers of coarse soil textures that affect treatment;

E. disturbed, compacted, cut-filled, or other unnatural condition, if present;

F. the uniformity of the soil over the site;

G. future surrounding land use changes;

H. soil sizing factor or loading rate; and

I. an approximation of the rise in groundwater from system operation as determined by groundwater mounding calculations. A narrative evaluation of the accuracy of the approximation must be provided. The approximation must be related to the requirements in part 7081.0270, subpart 6.

Subp. 2. **Flood fringes.** Systems proposed to be located in flood fringes must determine feasibility of relocating the system outside the floodplain.

Subp. 3. **Depth.** The limiting layer in the soil shall be determined based on the depth of bedrock or periodically saturated soil if encountered. The depth to the periodically saturated soil shall be determined according to part 7080.1720, subpart 5, item E, and the depth of bedrock shall be as defined under part 7080.1100, subpart 8.

Statutory Authority: *MS s 115.03; 115.55*

History: *32 SR 1400*

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