

## Soil Texture Classification Triangle Effluent Loading Rate Table

When using the results of a soil texture classification to size a system, the disposal field shall be sized using the application rates applicable for the soil type. The application rate is the volume of effluent that can be applied to the given soil type per day. Effluent loading rates per day for various soil types are as follows:

|     | <b>Soil Type</b>            | <b>Application Rate (igpd/sq.ft.)</b>                                              | <b>Application Rate (lpd/sq.m.)</b>                                                 |
|-----|-----------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| (a) | Heavy Clay<br>>60-100% clay | Modified aboveground systems.<br>See soil texture<br>classification matrix.        | No subsurface systems.<br>See soil texture<br>classification matrix.                |
| (b) | Clay<br>40-60% clay         | Modified systems.<br><br>See soil texture<br>classification matrix.<br><br>0.17    | Modified systems.<br><br>See soil texture<br>classification matrix.<br><br>8.31     |
| (c) | Silty Clay<br>40-60% clay   |                                                                                    |                                                                                     |
| (d) | Sandy Clay<br>40-60% clay   |                                                                                    |                                                                                     |
| (e) | Sandy Clay<br>35-<40% clay  | 0.18                                                                               | 8.80                                                                                |
| (f) | Silty Clay Loam             | 0.18                                                                               | 8.80                                                                                |
| (g) | Clay Loam                   | 0.22                                                                               | 10.76                                                                               |
| (h) | Sandy Clay Loam             | 0.28                                                                               | 13.70                                                                               |
| (i) | Loam                        | 0.34                                                                               | 16.63                                                                               |
| (j) | Silt Loam                   | 0.28                                                                               | 13.70                                                                               |
| (k) | Silt                        | 0.26                                                                               | 12.72                                                                               |
| (l) | Sandy Loam                  | 0.45                                                                               | 22.02                                                                               |
| (m) | Loamy Sand                  | 0.60                                                                               | 29.35                                                                               |
| (n) | Sand<br>85-100% sand        | Modified subsurface systems.<br>See soil texture<br>classification matrix.<br>0.60 | Modified subsurface systems.<br>See soil texture<br>classification matrix.<br>29.35 |