**Section 742.APPENDIX C Tier 2 Illustrations and Tables**

**Section 742.TABLE K Parameter Estimates for Calculating Water-Filled Soil Porosity (θw)**

|  |  |  |
| --- | --- | --- |
| Soil Texturea | Saturated HydraulicConductivity, Ks (m/yr) | 1/(2b+3)b |
| Sand | 1,830 | 0.090 |
| Loamy Sand | 540 | 0.085 |
| Sandy Loam | 230 | 0.080 |
| Silt Loam | 120 | 0.074 |
| Loam | 60 | 0.073 |
| Sandy Clay Loam | 40 | 0.058 |
| Silt Clay Loam | 13 | 0.054 |
| Clay Loam | 20 | 0.050 |
| Sandy Clay | 10 | 0.042 |
| Silt Clay | 8 | 0.042 |
| Clay | 5 | 0.039 |

a The appropriate texture classification is determined by a particle size analysis by ASTM D2488-93 as incorporated by reference in Section 742.210 and the U.S. Department of Agriculture Soil Textural Triangle shown in Appendix C, Illustration C.

b Where b is the soil-specific exponential parameter (unitless)

(Source: Amended at 31 Ill. Reg. 4063, effective February 23, 2007)