

Table 3: Permeability of Selected Soil Materials		
Material	Hydraulic conductivity or Permeability, centimeters/second	Comments
Landfill liner of compacted soil layer	1E(-7) cm/s	Maximum permitted by law ³
Lime-stabilized clay ⁴	Smectitic – 0% lime addition – 7.81 E(-10) cm/s, 4% lime addition – 4.93 E(-7) cm/s, 7% lime addition – 1.14 E(-8) cm/s, 9% lime addition – 4.52 E(-8) cm/s	Hydraulic conductivity values
Lime-stabilized silty clay ⁵	Illitic – 0% lime addition – 9.31 E(-10) cm/s, 4% lime addition – 1.71 E(-7) cm/s, 7% lime addition – 6.35 E(-7) cm/s, 9% lime addition – 1.12 E(-6) cm/s	Hydraulic conductivity values
Lime-stabilized silty clay loam ⁶	Kaolinitic – 0% lime addition – 7.15 E(-8) cm/s, 4% lime addition – 6.77 E(-7) cm/s, 7% lime addition – 1.20 E(-6) cm/s, 9% lime addition – 4.24 E(-6) cm/s	Hydraulic conductivity values