

Table 33.8 Centrifuge Performance Characteristics

Type of Sludge	Cake Total Solids, %	Solids Recovery, %	Polymer, lb/ton dry solids
Raw Primary	28 to 34	95	4 to 6
Anaerobically Digested Primary	35 to 40	95	4 to 6
Raw WAS	14 to 18	95	12 to 20
Anaerobically Digested WAS	14 to 18	95	12 to 20
Ras (Primary + WAS)	28 to 32	95	8 to 12
Anaerobically Digested (Primary + WAS)	26 to 30	95	10 to 18
Extended Aeration or Aerobically Digested	18 to 22	95	12 to 20

Source: Water Environment Federation. "Operation of Municipal Wastewater Treatment Plants." 5th ed.