**Solids Fractions**

Maximum recommended solids fractions (SF)

SF = (2.917 x MW) - 14.17

Maximum recommended low gravity solids (LGS)

Where ;

SF = maximum recommended solids fractions (% by vol)  
MW = mud weight (ppg)  
LGS = maximum recommended low gravity solids (% by vol)

Sample Case : Mud weight = 14.0 ppg

Determine : Maximum recommended solids (% by volume)  
 Low gravity solids fraction (% by volume)

Maximum recommended solids fractions (SF), % by volume :

SF = (2.917 x 14.0) — 14.17

= 40.838 — l4,17

= 26.67 % by volume

Low gravity solids (LGS), % by volume :