

ANIONIC FLOCCULANT FOR SETTLING OF LEACHED URANIUM SLURRY

The required Anionic polyacrylic powdered flocculent is to be added in the leach slurry from chemical house to tailing high rate thickener to form bigger flocs of the solids present in the feed so as to enhance its settling rate in the thickener to produce a thick underflow solid slurry(50-55%solids) and a perfectly clear overflow liquor.

Other details are:

1. Specific Gravity of Solids	2.8
2. Pulp density	1.23 - 1.29
3. Temperature of Slurry	50-55 °C
4. Solute present apart from slime	Na ₂ CO ₃ , NaHCO ₃
5. % solids in the feed slurry	30 – 35 %

Offer to be obtained in two part single stage system.