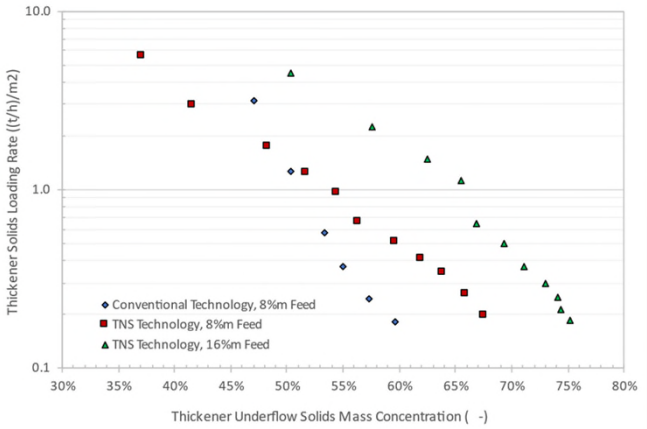
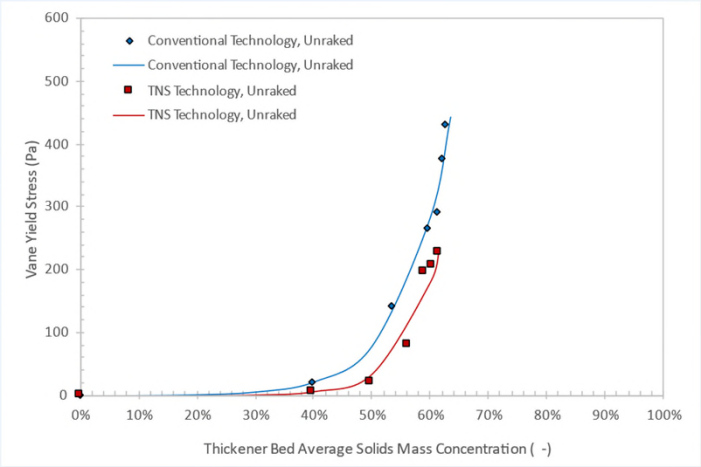
Application: Copper Tailings Dewatering

Compared with conventional flocculants, TNS™ chemistry exhibits by far better thickener dewatering, even with:

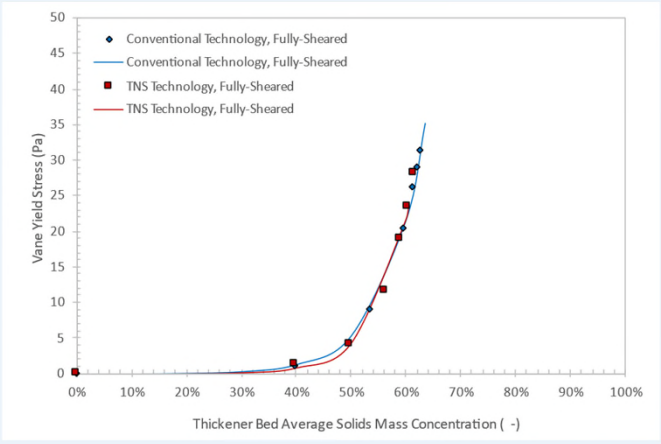
- Higher [feed] solids loading rates [up to 6 tonne/hr/m^2]
- Higher [feed] solids concentrations
- Higher underflow solids concentration

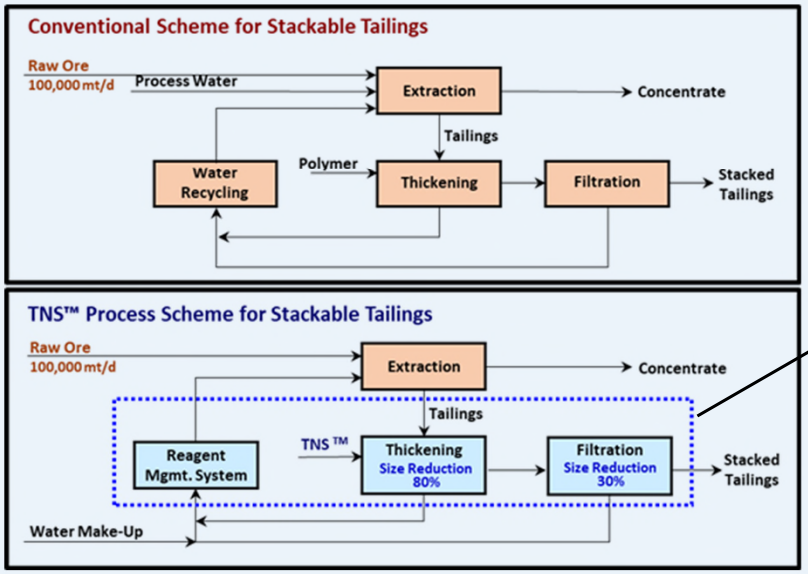




Slurry, flocculated with the TNS™ not subjected to raking or shear exhibits a better rheological behavior than the conventional polymer flocculated slurry.

At the fully-sheared condition, there is no significant difference in rheology between the two chemistries.





TNS Results vs Conventional	
CapEx Reduction	20-30%
OpEx Reduction	40-50%
↓ Thickener Size Reduced	
↓ Filter Size Reduced	
↓ Footprint Reduced	
↓ Less Utilities & No High-cost Chemicals	

EXTRAKT

BECHTEL

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