

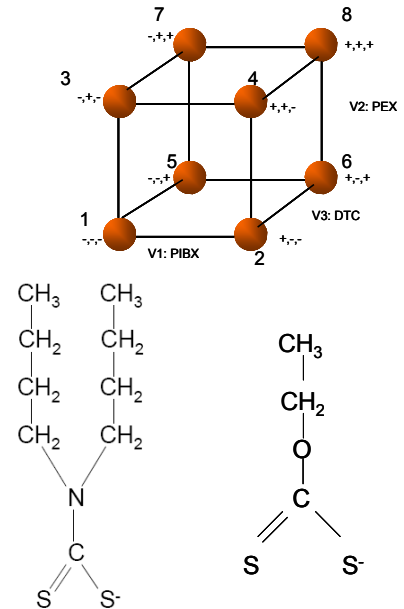
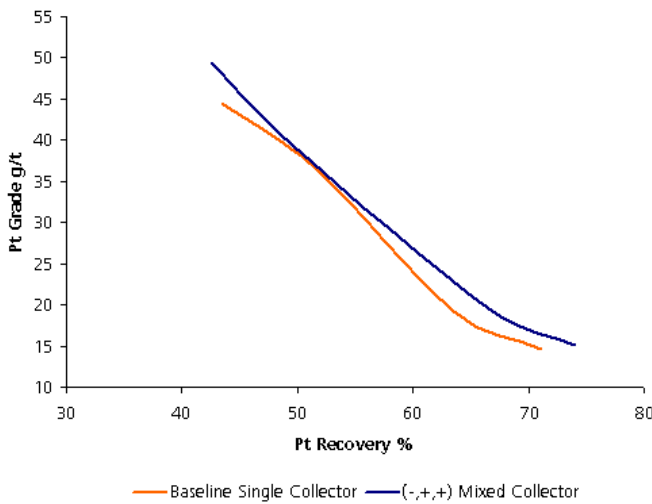
Improve Your Concentrator Performance With Mixed Collector Systems...

Xstrata Process Support (XPS) appreciates that in times of economic uncertainty the need to increase revenue from your operating concentrator makes sound business sense. To this end, XPS has developed and successfully demonstrated mixed collector systems for a number of global operations to increase concentrate grade and recovery. Combinations of xanthates and dithiocarbamates can shift the grade recovery curve of many operations resulting in millions of dollars of extra metal recovery compared to more conventional single collector systems.

Let XPS add value to your operation through its structured design of experiments approach and commitment to providing high quality, value adding data to our many clients...



The grade recovery curve (below) clearly shows the potential for increasing concentrate grade and recovery with a mixed collector system through a DOE (see right) approach.



Why mixed collectors?:

- Potential for improvements in actual plant grade, recovery, flotation kinetics and improved middlings flotation
- Increased collecting power (two Xanthates + DTP or DTC Co-collector)
- Design of Experiments (DOE) approach - tailored to specific needs of the ore
- Calculated main effects and interactions
- Tests performed in duplicate and triplicate to provide high confidence data. Optimum conditions demonstrated at high confidence
- Increased revenue from little or no capital outlay
- XPS can provide consulting in set up and analysis of plant trials



"Adding value...
...Reducing risk"



For further information on XPS mixed collector testwork services please contact:

nlotter@xstrataprocesssupport.ca

dfragomeni@xstrataprocesssupport.ca

Tel: +1 (705) 699 3400

Fax: +1 (705) 699 3431

www.xstrataprocesssupport.com