

From: Andrew Drummond
Sent: Sunday, 21 September 2008 11:45 AM
To: Neville Bergin; Russell Fulton
Subject: FW: Minersa Metallurgical Testwork of Moina Drill Core
FYI.

Cheers

From: Malcolm Crawford [mailto:delta@caf2.co.uk]
Sent: Friday, September 19, 2008 7:58 AM
To: Andrew Drummond
Subject: Minersa Metallurgical Testwork of Moina Drill Core

Hi Andrew,

Fernando's email this evening with the results from Minersa's CIM lab did not carry the news I was expecting. My first impression is that the crushing, grinding, and 8 flotation tests appear to have closely followed the testwork conditions carried out in 1977 and the results achieved in 2008 show only a relatively small improvement over 1977. For your easy reference, I have compared the results in the table below:

Results	Assays (%)					Recovery (%)
	CaF ₂	Fe ₂ O ₃	SiO ₂	CaCO ₃	WO ₃	CaF ₂
Minersa 2008	94.57	2.31	1.87	0.25	0.37	73.52
Amdel 1977	93.1	2.0	2.5	1.0	0.4	65.0

My initial reaction is:

1. There are many variables involved, but only 8 flotation tests were carried out. This is not many in view of the difficult separation problem to solve.
2. Minersa has used the previous Amdel liberation data, but the Amdel sample was for outcrop ore whereas the Minersa sample was drill core.
3. Although the reagent dosages are given, there is no accurate description of the reagents and there are very few of the flotation conditions described. This makes it difficult for me to interpret and comment on in any detail.
4. The product grades are similar but there is an 8.5% improvement in CaF₂ recovery.
5. There is a bit of confusion in the translation between the assay figures and the distribution figures.

I will look at the results in more detail tomorrow and try to raise further constructive comments on the limited data. Meanwhile I will send you these comments so that you have an indication of my initial reaction to the results. Only after I have studied the results carefully will I copy to Fernando, as he might easily feel I am being over critical of the results and I do not want to convey that impression until I am certain

I note that Wonarah is progressing much more positively than Moina!

Kind regards,

Malcolm

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