

Chris Barrington

From: Chris & Sue Barrington [ipia@pigiron.org.uk]
Sent: 22 September 2009 13:31
To: 'Adriano Clary'; 'Augusto Mendonca Lessa'; 'Erik Scholten'; 'Gerard Tor'; 'Hans Butter'; 'Harry Fisscher'; 'Joaquim Eleuterio'; 'Lee Preziosi'; 'Leonardo Wilken'; 'Magnus Tottie'; 'Nikolay Zabolev'; PEZENNEC Eric; Rob.Versfeld@corusgroup.com; 'Ronald Jonckbloedt'; 'Sue Hubbard'; 'Ursula Eriksson'; 'Yuri Mishin'
Subject: Pellets: CS testing programme

Dear All:

An update:

It was agreed that as a first step several different pellets would be tested for CS content in "as is" form - one kg samples to be prepared and sufficiently crushed for XRD analysis at the Corus and Vale laboratories.

The current position is as follows:

1. Vale has received the following samples:
 - a. VALE medium SiO_2 = 2,45%
 - b. VALE high SiO_2 = 5,00%
 - c. Lebedinsky GOK - SiO_2 4,49%,
 - d. Mikhailovsky GOK - SiO_2 4,82 \pm 0,15%
 - e. Mikhailovsky GOK - SiO_2 8,78 \pm 0,21%
 2. Corus has received and tested the following samples:
 - a. Lebedinsky GOK - SiO_2 4,49%,
 - b. Mikhailovsky GOK - SiO_2 4,82 \pm 0,15%
 - c. Mikhailovsky GOK - SiO_2 8,78 \pm 0,21%
 - d. VALE medium SiO_2 = 2,45%
 - e. VALE high SiO_2 = 5,00%
 - f. LKAB Kiruna pellets SiO_2 2.6%
 - g. LKAB Malmberget pellets SiO_2 1.8%
 - h. Corus pellets with 3.5% SiO_2
- The two LKAB samples are also en route to Vale's laboratory.
 - Attempts were made to obtain Poltava pellets from Ukraine with 10% SiO_2 , but this process took a long time and these pellets will not be included in the test programme first time around as we already have a pellets from Russia with almost 9% SiO_2 . Corus nevertheless has a sample [sent by Voestalpine] in case of need.
 - Corus's sample will be tested only by its own laboratory
 - Samarco's samples have been or are about to be despatched
 - Rio Tinto is checking if a sample of Carol Lake pellets could be made available - of interest due to mixed haematite/magnetite iron ore

There appears to be some overlap with the analysis of some of the samples and on cost grounds it might make sense to hold a couple of the samples in reserve. Corus has already tested the 8 above mentioned samples. The proposal for Vale is to test the above mentioned samples, the 2 LKAB samples and one Samarco sample (if received in time). Corus will only test 1 Samarco sample on top of the already tested samples.

Our next pellets conference call is scheduled for October 1st and in order to give everyone a chance to study the test results beforehand, we really need the results at the very latest by say September 29th - a tight deadline for sample which are yet to be received by the laboratories - please could Vale advise the status of work to date?

Best wishes
Chris Barrington

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