2019-09-26 Kickoff Meeting - A Systems Approach to Grind Aids

Attendees

- Arno KWADE
- Sandra BREITUNG-FAES
- Charles COMPSON
- Jarrod HART

Apologies

- Bas VAN LAARHOVEN

Agenda

This call is to:

a) Review the proposal to ensure we understand it, and to agree the first steps.
b) Check on systems materials and scope. Sort out the supply of samples.
c) Plan and schedule for continued contact and clear communication.

Jarrod Hart's Notes

Scope

Basic Plan

- Y1 fundamentals
- Y2 modelling
- Y3 bring together

Model system would be

- A ball mill in a closed circuit with a classifier
- Two inorganic materials: alumina and calcium carbonate

We could also look at a air-classifier jet mill later.
Y4-6 second phase could expand to include organics

Discussion

The team has a small ball mill with classifier, (hoso/alpine), recovered from another university. They also have dry media mill they can couple with the classifier, and a Netzsch jet mill.

Early planning:
We will provide feed materials, Chuck will provide alumina, Jarrod carbonate. Arno to provide us with:

- Preferred rough psd of feed
- Amount wanted (bearing in mind we may struggle to provide more the exact same material later, we have some variation in production so it would be better to use a single batch of each.
- Delivery details (address, contact name and number)
- Feed will be supplied as bags on pallet(s).

Schedule for Review:
Project to start around the start of November, they will start by getting the ball system up and running.

We propose an hour catch up each quarter.

First meeting proposed for Monday November 11th, 9AM German time, then again in January, April and at the IFPRI summer meeting.

For the November meeting we will:

- Review the plan for the first quarter
- Brainstorm on key hypotheses & discuss ways to test them
- Ensure all materials and equipment are in place

Actions:

- Arno/Sandra to review preferred PSD and sample amounts wanted and revert
- Jarrod to set up meeting invite for Nov 11th

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Jarrod Hart