

## PREMIER MAGNESIA - GILES CHEMICAL

**COMPANY POLICY** 

Waynesville

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Revision : 00 Date : 10/18/2011

QC Lab

Area:



Purpose: Determine amount of sediment in slurry product

Plant:

Slurry Tap Test

Lee Cagle

#### **Equipment:**

Tap Test Bottles

Tap Test Log

Weighing Balance – B440 Satorius

Author:

Lab Sink

Tap Test Blanks (Spare bottles filled with slurry)

Ruler

Tap Test Machine

Timer

#### **Procedure:**

- 1. After recording data from slurry sample bottle shake sample until all settling has re-suspended.
- 2. Tare balance to zero and weigh bottle.
- 3. Record bottle identification letter and weight (grams) on Tap Test Log.
- 4. Place bottle in tap test machine. Fill all empty spaces in machine with tap test blanks. (Tap test machine and timer are located in the material handler room)
- 5. Set timer for 14 hours and turn on.
- 6. The next morning remove the sample from the tap machine and take to lab.
- 7. Shake bottle for 15 seconds to break up any clumping.
- 8. Pour out liquid portion of material into a secondary container for later disposal.
- 9. Lightly rinse bottle in lab sink being careful not to disturb sediment in bottom of bottle and place upside down to drain for 15 minutes.
- 10. Wipe out excess material around inside and outside walls of bottle.
- 11. Tare balance to zero and weigh bottle. Record weight (grams) on log with the proper identification letter.
- 12. Subtract the original bottle weight from weight with sample. This is your tap weight (grams).
- 13. Measure sediment with ruler for inches of residue left in bottom of bottle. If necessary convert to decimal (i.e.: 3/8 = 0.38) and record data. This is your tap height (inches).



Author: Lee Cagle

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### TRAINING DOCUMENTATION

Waynesville

	EMPLOYEE	TITLE	SIGNATURE	DATE
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Revision Number	Revision Date	Revision Author	Revision Description
00	10/21/11	LC	New Procedure