1.0 Purpose

The purpose of this procedure is to describe how to determine the amount of sediment in slurry.

2.0 Scope

This procedure applies to all in-coming slurry products to the QA Laboratory.

3.0 Responsibility

Lab Associate is responsible for this procedure.

4.0 Safety Considerations

Appropriate PPE is to be worn in the laboratory.

Safety is a condition of employment. Employees are not authorized to work in an unsafe manner and are prohibited from harming the environment of the facility or the community.

5.0 Materials/Equipment

- Tap Test Bottles
- Weighing Balance – B440 Satorius
- Lab Sink
- Tap Test Blanks (Spare bottles filled with slurry)
- Tap Test Machine
- Timer

6.0 Procedure

Record the following data on forms *Slurry – Tap Test Stability (L12-FM-200-020)* and either *Slurry Testing (L12-FM-200-009)* or *Tetra Slurry Testing (L12-FM-200-010).*

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 *Slurry – Tap Test Stability* form.
4. Place bottle in tap test machine. Fill all empty spaces in machine with tap test blanks. Always put a blank in center space (Tap test machine and timer are located in the material handler room).
5. Set timer for 14 hours and turn on.

6. After 14 hours 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 *Slurry – Tap Test Stability* form with the proper identification letter.
12. Subtract the original bottle weight from weight with sample. This is your tap weight (grams).
13. Record tap weight on *Slurry – Tap Test Stability* form and transfer results to either the *Slurry Testing* form or the *Tetra Slurry Testing* form.

7.0 Reference Documents

Slurry – Tap Test Stability Form (*L12-PR-100-F020)*
Slurry Testing (L12-FM-200-009)
Tetra Slurry Testing (L12-FM-200-010)

8.0 Change Information

Updated procedure using *SOP Template Instructions (Q12-PR-100-004)* and *Document Numbering (Q12-PR-100-003)*