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 Experimental Parameters Filter mesh: 6mm Sludge simulant: 80% sand/10% peat/10% absorbent granules Filter rotational speed: 5 rpm Wash water flowrate:13.33 l/min Volume of simulant in box prior to trial = 25300 cm3 Post trial measurements Total duration of trial = 5 minutes 8 seconds Time processing solids = 3 minutes 44 seconds Volume of simulant in box after trial = 8000 cm3 Volume of simulant processed through filter = 17300 cm3 Solids processing rate = 0.27 m3/hr 'Pond liquor' processing rate = 2.6 m3/hr (approx – varies during trial as shown in graph) Indicative solids fraction in 'pond liquor' processed = 10% (volume basis)
Andrew White, 24 March 2010 10 ASMEDIEMARY & SMEDIEMARY OF SALATIANCHE PROSESSION



