AQW 2012 Posters

9th International Alumina Quality Workshop (AQW)

Sunday 18 – Thursday 22 March 2012
Perth Convention and Exhibition Centre

Business Transformation through Remote Collaboration, Optimisation and Operation	Mr Neil Freeman (Honeywell)	**1**
Low Shear Transfer and Flow Control of Red Mud –Implications for Filter Performance and Total Cost of Ownership	Martti Lahtinen (Flowrox)	**2**
Vegetation establishment and in situ remediation within an unamended bauxite residue storage area	Talitha Santini	**3**
Hydrothermal Synthesis of High Purity Alumina from Bayer's Gibbsite	Yasemen Guldogan	**4**
The effect of iron sources on the efficiency of hydrothermal caustic and alumina recovery from synthetic DSP (sodalite)	Dr Peter Smith	**5**
Mud Classification	Dr Peter Smith	**6**
Using absorbance as a measure of turbidity in highly caustic solutions	Dr Franca Jones	**7**
Solubility of calcium in extremely caustic liquors	Attila Pallagi	**8**
Characterization of Bayer Process Plant Scale in a Plant Using Boehmitic Bauxite	Mr Oktay Uysal	**9**
Characterization and processing of bauxite ores for reduction of silica	Dr Bisweswar Das	**10**
Flow cavitation induced failure of a precipitation row cooling heat exchanger	Dr Rod Stephenson	**11**
A quasi-implicit algorithm for solution of steady state and dynamic particle population balance models	Dr Rod Stephenson	**12**
Bayer liquor thermophysical property correlations derived by numerical experiments	Dr Rod Stephenson	**13**
Quantifying flow availability for an alumina refinery expansion using dynamic simulation	Mr Brock Reynolds	**14**
Developing efficient polymeric inhibitors to mitigate precipitation fouling of sodalite in spent Bayer liquor heaters	Professor Jonas Addai Mensah	**15**
The control of scale and optimisation of service life in a spent liquor evaporator	Derek Antrobus	**16**