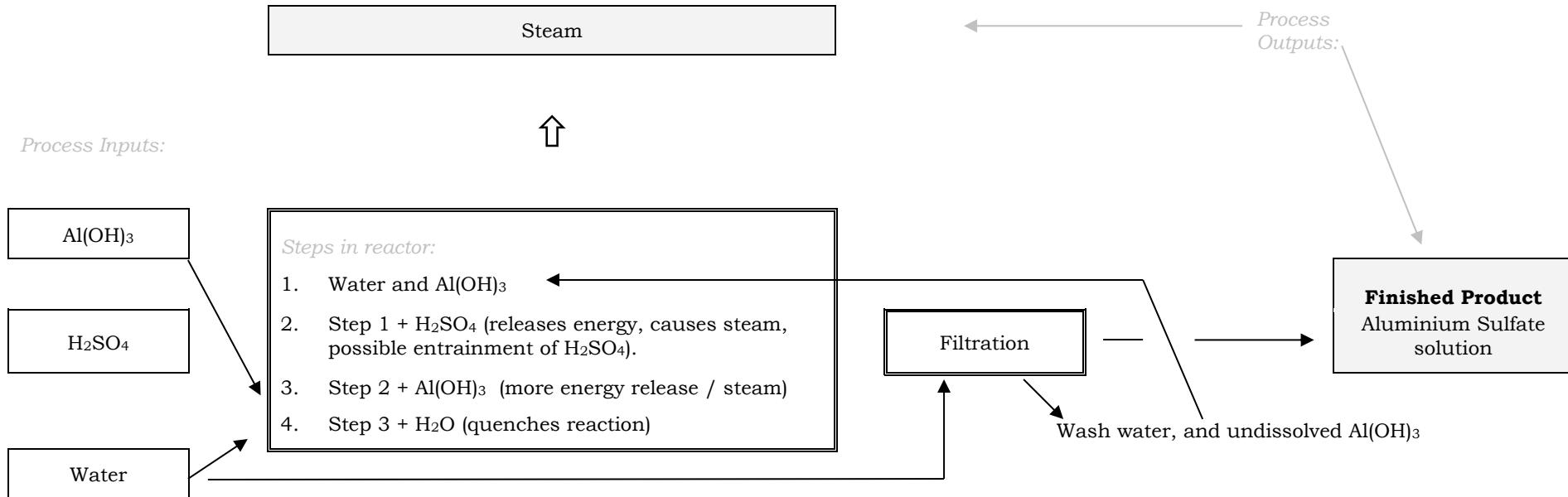


Materials Balances for Wagonway Works, Newcastle

Uncontrolled copy unless opened from H:\Environmental System (may become out of date)

Aluminium Sulfate Production:



Notes

1. Al(OH)₃ is added in excess as part of the process control strategy.
 2. The filter (containing the excess Al(OH)₃ at the end of each batch) is back washed into the reactor with water, creating the initial charge for the next batch (step 1).
 3. The process is 'capable'. In the event that a batch of nonconforming product is produced, it would be segregated, and blended with other batches to make saleable product.
- This process is therefore 'zero waste', apart from the steam produced (and energy released that is not recovered).

Changes to this issue: Document review – no change					
Originator	Title	Date	Approvals	Title	Date
<i>Mick Reiling</i> Mick Reiling	Plant Manager	6 th July 2015	<i>Claire Harling</i> Claire Harling	Environmental Manager	6 th July 2015
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