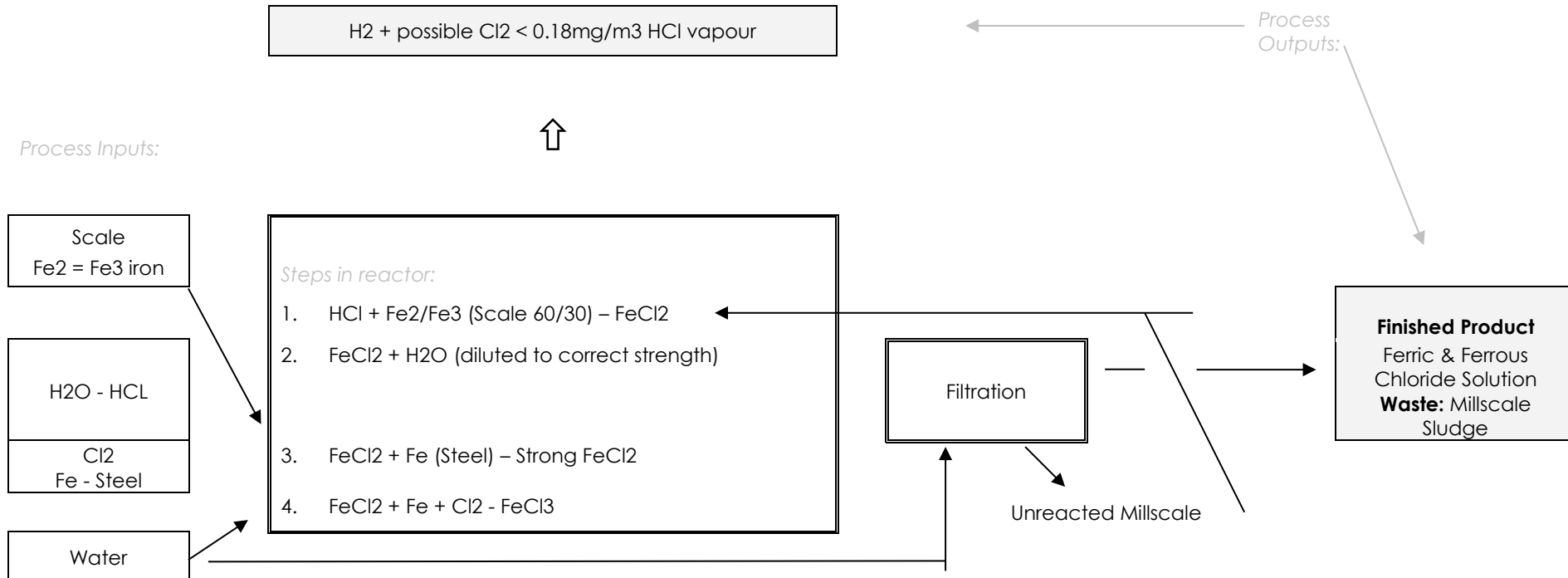


Material Balance for Ferrous & Ferric chloride manufacture – Runcorn Iron Salts

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Ferrous & Ferric chloride Production:



- Notes
- Millscale a mixture of F₂+F₃ iron added to 24% HCl to make 70% FeCl₂ / 30% FeCl₃.
 - H₂O added to FeCl₂ reducing the density for greater control of the ferric chloride process.
 - FeCl₂ + Fe (Steel) circulated through a dissolver to increase the FeCl₂ strength for accurate FeCl₃ conversion to 38.5 / 42.0% FeCl₃.
 - Ferric Chloride produced from addition of Cl₂ to strong FeCl₂ = FeCl₃ 38.5 / 42.0%.

Changes to this issue: First Issue					
Originator	Title	Date	Approvals	Title	Date
 Paul Price	Site Manager	4 th January 2017	 Claire Harling	Environmental Manager	4 th January 2017
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