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Separation of cement fines from
reclaimed concrete truck wash
water.



Filter press trials - QLD





Returned truck wash out tank



Drained reclaimed water tank – for settlement



Wash out water tank pumped into Filter Press
Small 3 plate press operating at 1L/s



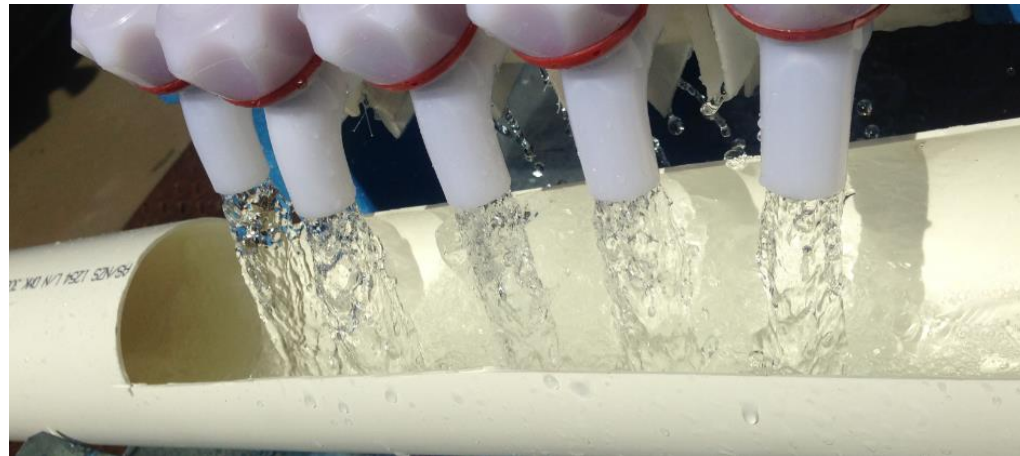
Reclaimed water Before and After Filter Press



Reclaimed water Before and After Filter Press



Filter Cake of cement and other fines on plate 1 of 4
After one hour = 3,600L of filtered water



- Operation of a Filter Press allows re-use of the wash out water without the need for long settlement periods in a tank.
- Reduced maintenance costs with reduced usage of vacuum trucks for cleaning out settled tank solids.
- Minimal maintenance required
- Diaphragm pump runs on compressed air
- Unit available in manual or automatic ram operated press



When the Filter Press is combined with a WAM CONSEP concrete reclamation system the truck wash out can be reclaimed down to:

- Large Aggregate – Stone
- Small Aggregate – Sand
- Clean Water (Filquip CO2 PH Neutralisation system may be required)
- Cement Fines

