

Case history brief:

Location:	Campbellfield, Australia
Application:	Combined stream treating
Capacity:	720 m ³ /hr (20% rec.)
Clarification:	TSS and turbidity reduction
Chemicals:	6 mg/l polyamine as coagulant and 2 mg/l flocculant
Installation:	2004

Case history features:

The KWI Megacell MCV 80 unit was installed for treating combined water streams from de-inking cells, stock thickener and reject screens from stock preparation equipment. Consistency of floated ink slurry from de-inking cells was too low for belt presses so it was mixed with other streams to ensure thicker sludge consistency for press operation. Clarified water is being re-used back in the top ply of the board. Turbidity of less than 300 NTU is required to ensure good on machine brightness. The machine was installed outside on steelwork so all outlet flows by gravity.

Raw water:		Outcoming water:		Details:
TSS:	3.000 mg/l	SST:	<80mg/l	6 mg/l polyamine, 2 mg/l flocculant.
Turbidity:	Unknown	Turbidity:	<200 NTU	Floated sludge consistency >8%

