

**WATER SAVING PROJECTS 2016/2017 (Progress Report from 1/12/2017 until 20/12/2017)**

No	Section	Projects	Person In-Charge	Implementation Date	Status	Expected Saving Per Month (m <sup>3</sup> )	Accumulated Water Saving December 2017 (m <sup>3</sup> )
1	Bleaching	1) Re-use caustic recovery evaporated water for Mercerize	MH Cheng	End July 2016	Completed	2,456	1,370
		2) Re-use CBR D1 last section washer water to front section	Azman	10-May-16	Completed	1,491	1,212
		3) Re-use SSB last section washer water to second section last washer	Azman	August 2016 (Implemented)	Completed	1,056	790
		4) Repair leaking washers at CBR & MZ	Andrew / Fadzil	10-May-16	Continuous Process	Intangible	Intangible
		5) Reuse water for CBR D1 steamer conveyor system	MH Cheng	July 2016	Completed	138	105
		6) Auto showering for CBR D1 and CBR D4	Azman / BH Lee	August 2016 (Implemented)	Completed	Intangible	Intangible
		7) Auto showering for stenter filter cleaning at mercerize	Azman / BH Lee	December 2016	Completed	Intangible	Intangible
		8) Re-use pond water for cyclone at CBR-D2	Azman / MH Cheng	End January 2017	Completed	Intangible	Intangible
		9) Re-use pond water for floor cleaning at chemical preparation area	MH Cheng / Rodzi	March 2017	Completed	Intangible	Intangible
		10) Re-use pond water for floor cleaning at machine site	Azman / MH Cheng	January 2017	Completed	Intangible	Intangible
		11) Revised flow rate 1st section washer for wash box no 1 and 3 at CBR D4	Joanne / Fadzil	August 2017	Completed	200	150
		12) Yarn dye to skip 2 washer	HP Lee / Cheah	February 2018	Under Study	Under Study	0
		13) Active klean to skip stenter rinse	HP Lee / Cheah	February 2018	Under Study	Under Study	0
2	Dyehouse	1) Install dummy inside pad steam washer (PSD3)(1st & 2nd washer)	Johnny	End August 2016	Completed	43	30
			CM Tai	May 2016 (Test)	Completed	-	-
		2) Re-use water from last washers of PSD3 to washer no 2 of PSD3	CM Tai / MH Cheng	August 2016 (Implemented)	Completed	1,050	748
		3) Reduce flow rate for light weight for pad steam by 20 % for PSD3 & PSD1 (DV/DR) (light colour and light weight)	CM Tai	May - June 2016	Completed	336	190
		4) Reuse Boiler pond water for DH colour service (cleaning)	MH Cheng	End June 2016	Completed	Intangible	Intangible
		5) Auto showering for PSD4 wash boxes	CM Tai / BH Lee	Mid October 2016	Completed	400	300
		6) Auto showering for water seal at PSD2, PSD3 & PSD4	CM Tai / BH Lee	November 2016	Completed	Intangible	Intangible
		7) Repair leaking washer at pad steam	CM Tai	December 2016	Continuous Process	Intangible	Intangible
		8) Re-use pond water for floor cleaning at auto reactive area	MH Cheng / CM Tai	February 2017	Completed	Intangible	Intangible
		9) Improve Washing Fastness of SV 475 UP DA Finish by low temperature curing resin	CM Tai / Joanne	August 2017	Completed	80	63
		10) Use water from boiler pond for pad steam floor and machine cleaning	CM Tai / Rodzi	October 2017	Completed	950	680
		11) Use water from boiler pond for pad dry floor and machine cleaning	CM Tai / Rodzi	October 2017	Completed	950	680
		12) Use water from boiler pond for Dyehouse Chemical Preparation area cleaning	CM Tai / Rodzi	October 2017	Completed	16	12
13) To collect the clean water from jet dye process	John / CM Tai	February 2018	Under Study	Under Study	0		
3	Finishing	1) Continue to skip sanforize	Najib	May 2016	Completed	400	135
		2) Reduce two step processes (yarn dye)	Najib	June 2016	Completed	400	300
		3) Recycle boiler pond water for cleaning sanforize	MH Cheng	End June 2016	Completed	Intangible	Intangible
		4) Recycle boiler pond water for cleaning Fin colour service area	MH Cheng	November 2016	Completed	Intangible	Intangible
		5) Reduce 2 step process by step OBA second padding	MH Cheng / Najib	October 2017	Under Study	Intangible	Intangible
		6) Install timer for auto cleaning shower valve at finishing auto dispenser	Najib / Faizal / BH Lee	October 2017	Completed	280	210
4	Printing	1) Use water from boiler pond for floor cleaning	MH Cheng	October 2016	Completed	Intangible	Intangible
5	General	1) Extend Gardening pipe from A & B block to car park area	MH Cheng	June 2016	Completed	Intangible	Intangible
		2) Re-use treated water for polymer preparation at dewatering plant	Salvakumar	June 2016	Completed	390	320
		3) Use waste water for toilet cleaning ( Production Toilet and Jet Dye toilet)	MH Cheng	End June 2016	Completed	Intangible	Intangible
		4) Use treated water to shoot the floating sludge at ASM1	MH Cheng	End June 2016	Completed	Intangible	Intangible
		5) Re-used Co Gen RO back wash water from Multi media & carbon filter for production	MH Cheng	October 2016	Completed	780	570
		6) Skip dyeing process at Dyehouse (Pigment Dyeing Project)	Joanne / Najib / CM Tai / Cheah	October 2017	Completed	1700	200
		7) Reuse of blower water from Cogen Plant at Bleaching Section for CBR Machine	Jaya Paul / Salvakumar / MH Cheng / John / Areeb	October 2017	In progress	Under Study	0
		8) RO water product plant Brine water recover back to water reservoir	John	June 2017	Completed	6000	4300

**Total Expected Water Saving per moth (m<sup>3</sup>) = 19,116**

**Total Accumulated Water Saving December 2017 (m<sup>3</sup>) = 12,365**

Below are some picture for reference:



December 2017 Water Saving Meeting (15/Dec/2017)



Talk by PBA (13/Dec/2017)