













	SBR operating conditions			SMART-Plan
Parameter	Start-up (Days 1-85)	1 <sup>st</sup> period (Days 85-185)	2 <sup>nd</sup> period (Days 185-258)	3 <sup>rd</sup> period (Days 260-290)
pH	8.4±0.15	8.3±0.3	8.3±0.2	8.4±0.2
Carbon source	Acetic Acid	Acetic Acid &	Acetic Acid	Acetic acid
		Thickened reject water		
HRT	15.4±5.4	6.7 ±2.2	5.2±0.74	3.7±0.27
NLR TKN (kg N m <sup>-3</sup> d <sup>-1</sup> )	$0.09{\pm}0.06$	0.32±0.11	0.35±0.10	0.51±0.11
NLR $NH_4$ -N (kg N m <sup>-3</sup> d <sup>-1</sup> )	$0.07{\pm}0.05$	$0.24{\pm}0.08$	0.23±0.04	$0.40{\pm}0.03$
$DO (mg L^{-1})$	>2	>2	>2	>2
MLVSS (mg L <sup>-1</sup> )	1635±866	4807±944	5287±1038	5689±509





















