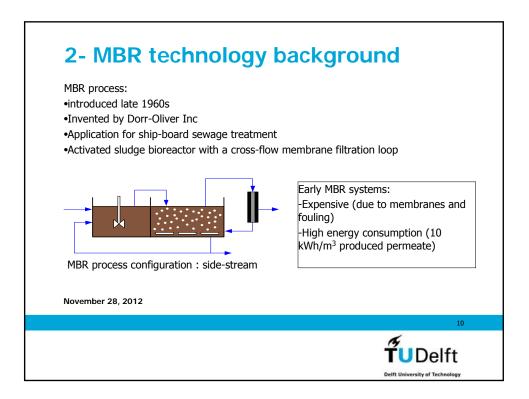
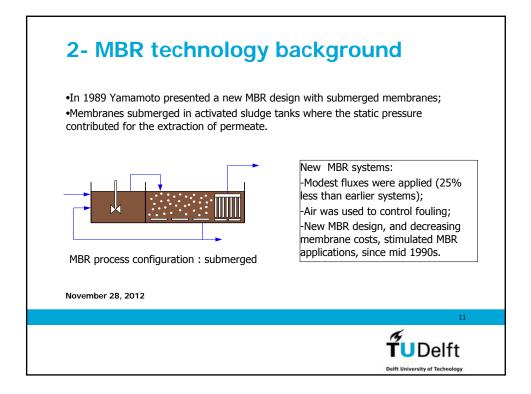
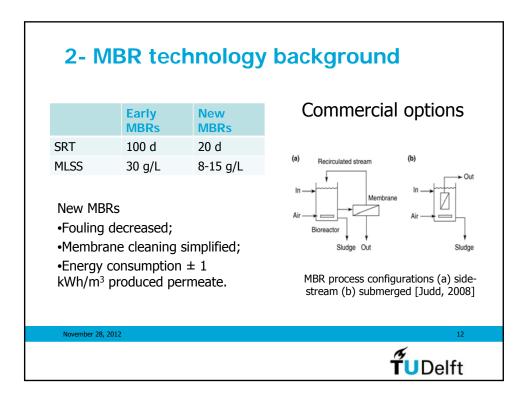
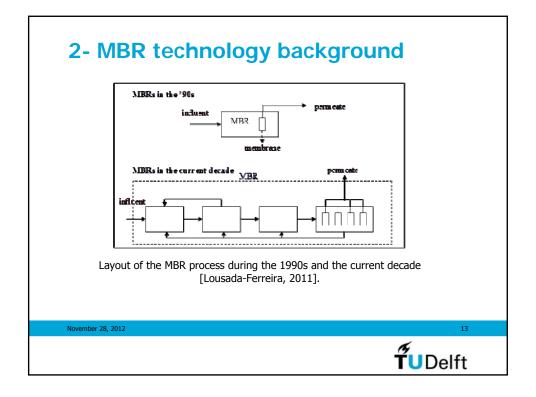


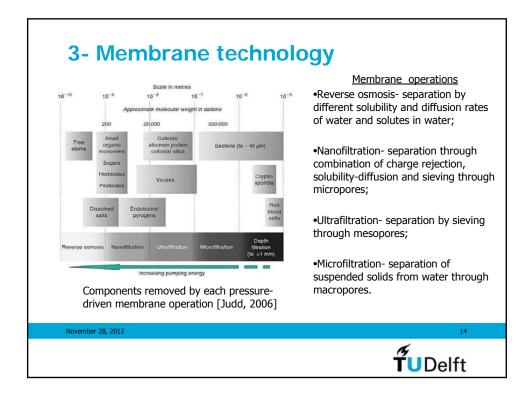
Peremeter	Removal efficiency (%)	Permeate quality	wwtp effluent
TSS, mg/L	>99	n.d.	5-8
Turbidity, NTU	98.8-100	<.5	
COD, mg/L	8 9-9 8	10-30	30-70
BOD, mg/L	>97	<5	4-15
NH3-N, mg/L	80 - 90	<5-6	5-12
N _{ron} , mg/L	36 - 80	<10	
P _{top} mg/l	62-97	0.3 - 3	1-3
Total coliforms, CFU/100 m	5 – 8 log	<100	
Paecal coliforms, CFU/100 mL	-	<20	
Bacterlophages, PFU/100 mL	>3.8 log	-	

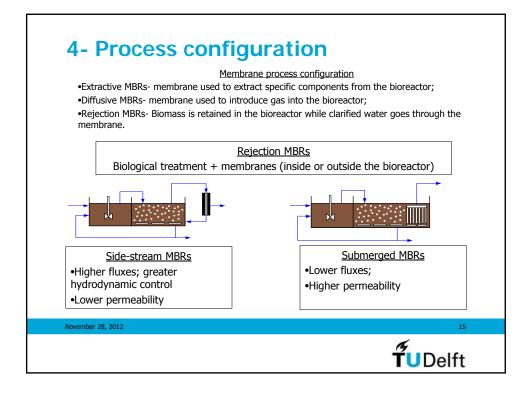


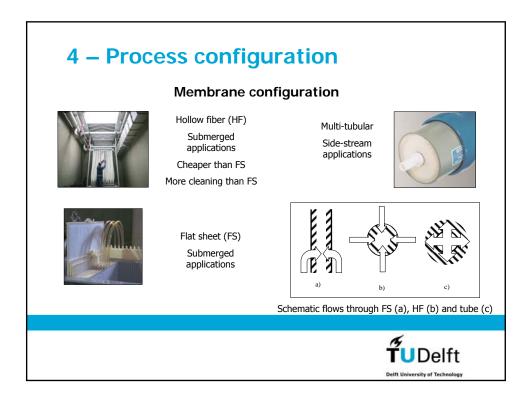


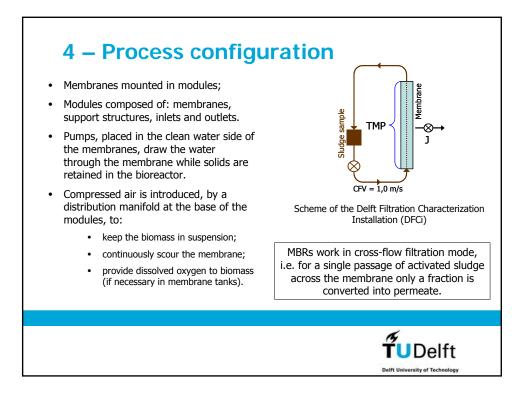


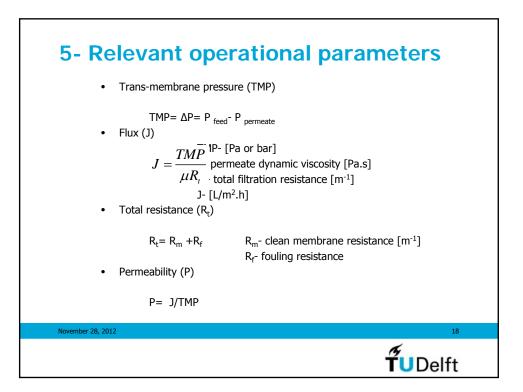


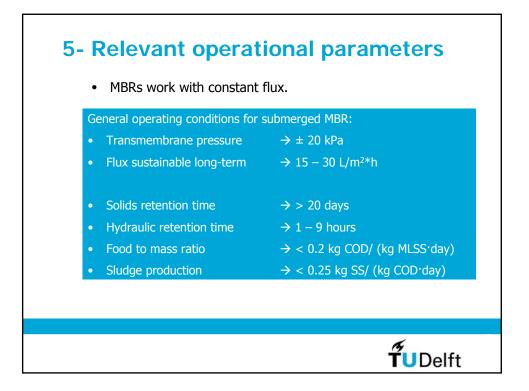


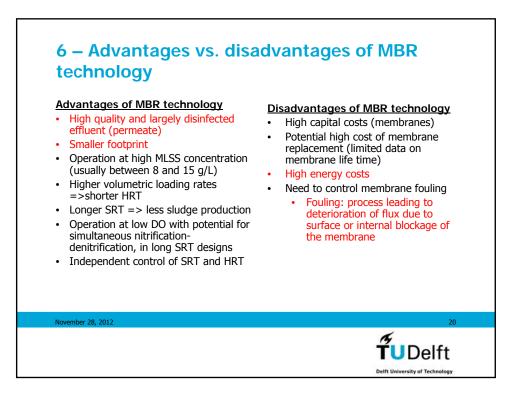


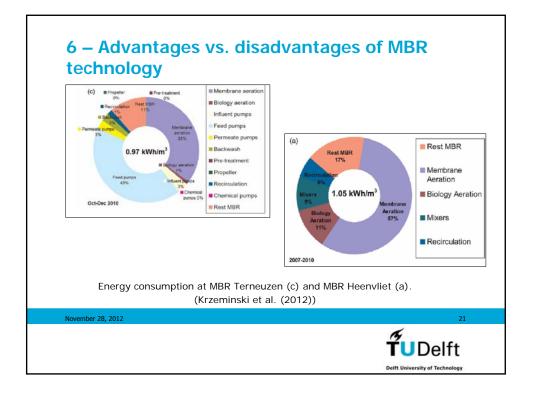


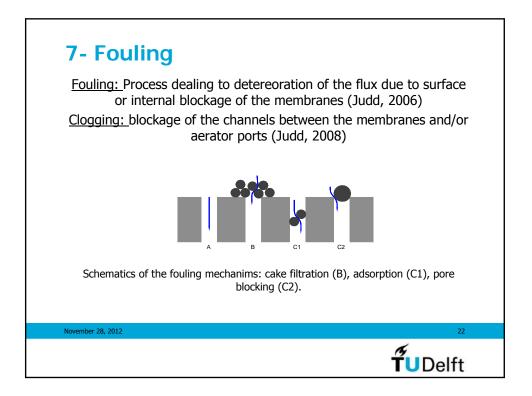


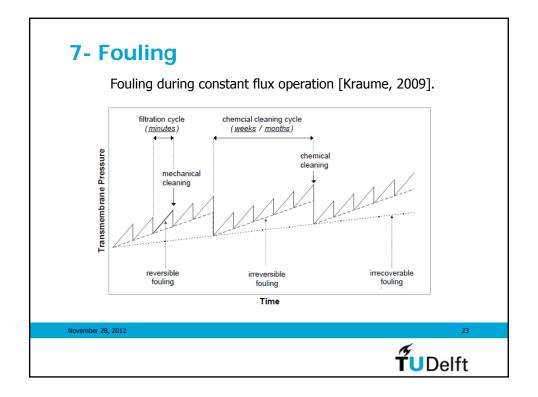


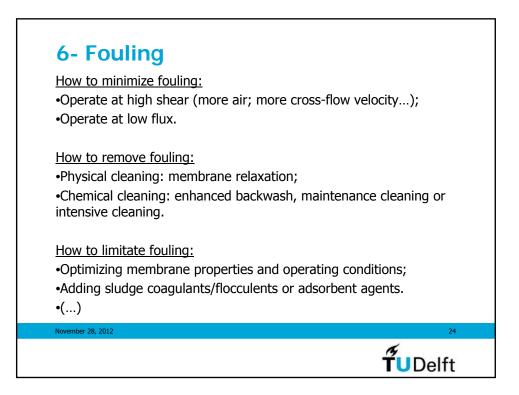


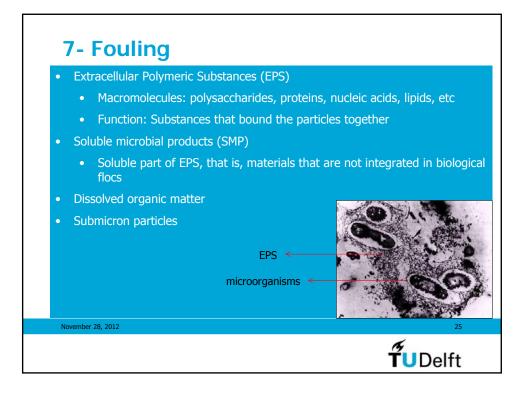


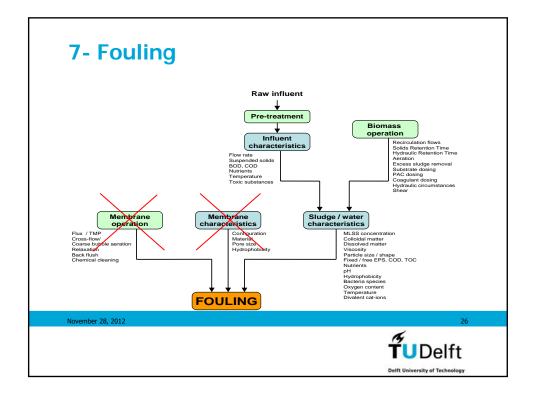


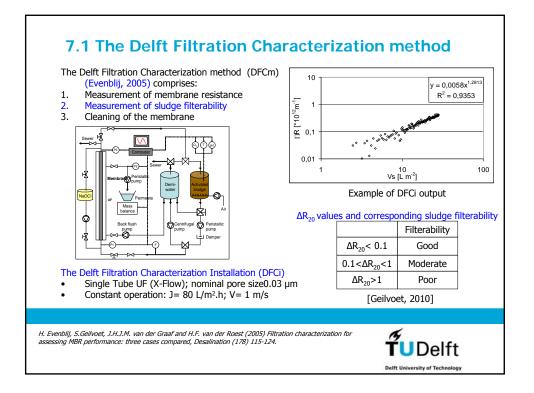


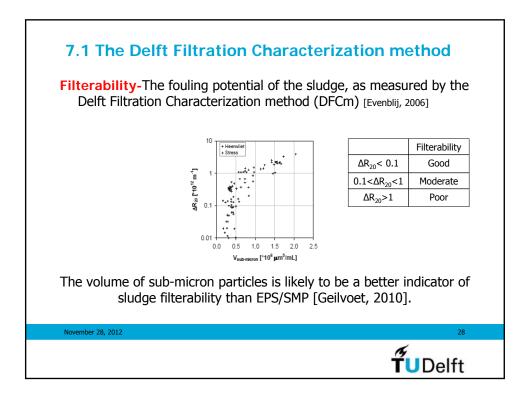


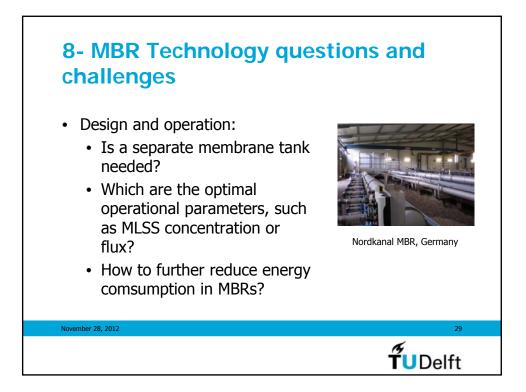












Low MLSS concentration	High MLSS concentration	
Design		
Separate membrane tank not required	Separate membrane tank preferable	
Operation		
Less clogging	More clogging	
Less air required to scour the membrane and provide DO to the biomass	More air required to scour the membrane and provide DO to the biomass	
Less air preferable to promote floc growth	Less air preferable to promote floc growth=> Air flow requires optimization	
Applied return ratio is irrelevant	Low return ratio, i.e. lower than 2, preferable to achieve improved filterability	

