

Column Name	Value or Units	Comments	
Technology	Unit Process Name		
TRL	scale (0-10)		
Lifetime	year		
Max Load TSS	(mg/l)	Some extreme large Max Values used in DST calculations not designed to be realistic	
Max Load COD	(mg/l)		
Max Load TN	(mg/l)		
Max Load TP	(mg/l)		
Min Load TSS	(mg/l)	Some extreme large Max Values used in DST calculations not designed to be realistic	
Min Load COD	(mg/l)		
Min Load TN	(mg/l)		
Min Load TP	(mg/l)		
TSS Removal	(%)	Removal and Recovery percentages values from published work or expert opinion	
COD Removal	(%)		
COD Final Recovery	(%)		
TP Removal	(%)		
TP Final Recovery	(%)		
TN Removal	(%)		
TN Final Recovery	(%)		
HM1 Removal	(%)		
Log Bacteria Removal	log		
Water Recovery	(%)		
Water Removal	(%)		
Capex C	[1,000 USD 2006] BxQ^C		All Cost Values have similar Calculations using flow value and the given values Q is Average flow [m3/day] Calculations/Parameters based on existing work Joksimović, D. (2006) Decision Support System for Planning of Integrated Water Reuse Projects DST Contains value for converting USD to Euro If user wants to change values but does not have these parameters they can set the power parameter (C) to 0 and set B to the required Cost amount and this will work in NEREUS DST
Capex B	[1,000 USD 2006] BxQ^C		
Land C	[ha] BxQ^C		
Land B	[ha] BxQ^C		

Energy C	[kWh/y] BxQ^C	<p>All Cost Values have similar Calculations using flow value and the given values Q is Average flow [m3/day] Calculations/Parameters based on existing work Joksimović, D. (2006) Decision Support System for Planning of Integrated Water Reuse Projects DST Contains value for converting USD to Euro If user wants to change values but does not have these parameters they can set the power parameter (C) to 0 and set B to the required Cost amount and this will work in NEREUS DST</p>
Energy B	[kWh/y] BxQ^C	
Labour C	[person-hour/month] BxQ^C	
Labour B	[person-hour/month] BxQ^C	
Opex C	[1,000 USD2006/y] CxQ^B	
Opex B	[1,000 USD2006/y] CxQB	
Nitrogen	(0-1)	
Phosphorus	(0-1)	
Energy	(0-1)	Binary 0 or 1 (Yes or No) Values if UP does required task
Sludge Generator	(0-1)	
water	(0-1)	
Keep	(0-1)	Binary 0 or 1 (Yes or No) Values if UP considered for selection
Level of Treatment	Level Name	Some selection logic in DST uses these levels to provide realistic and consistent treatment trains