

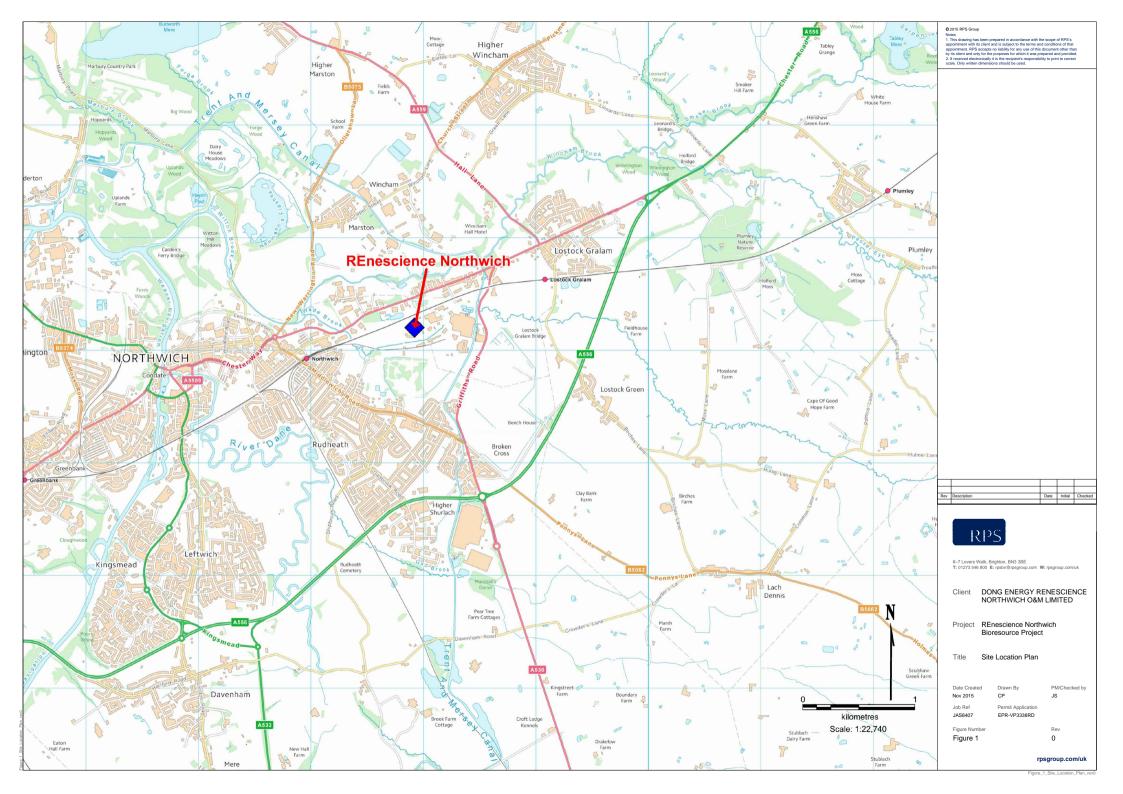


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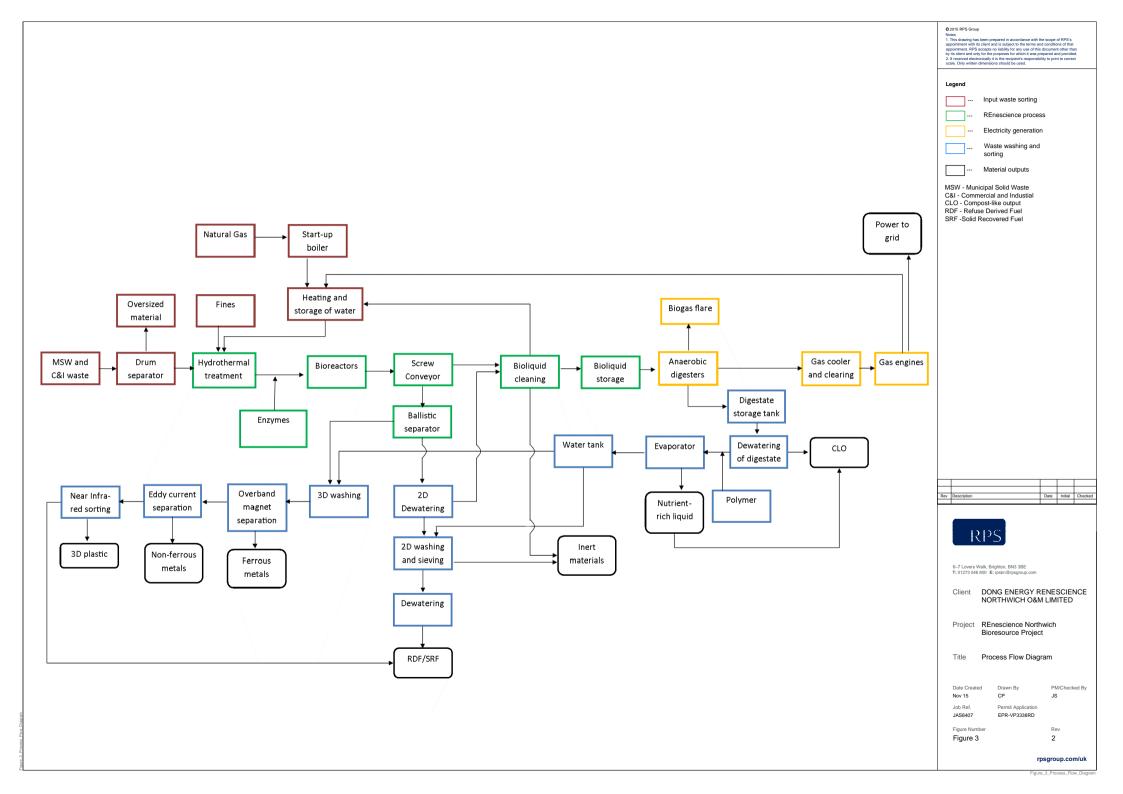
Appendix B: Figures



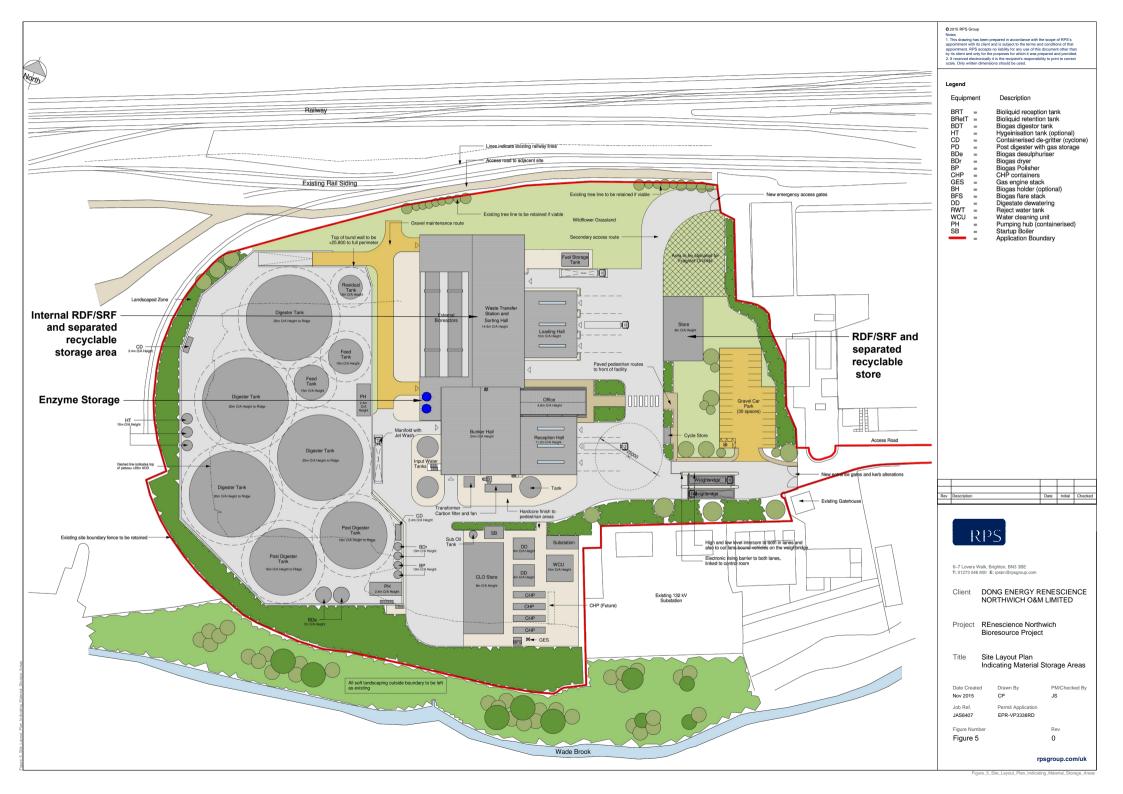
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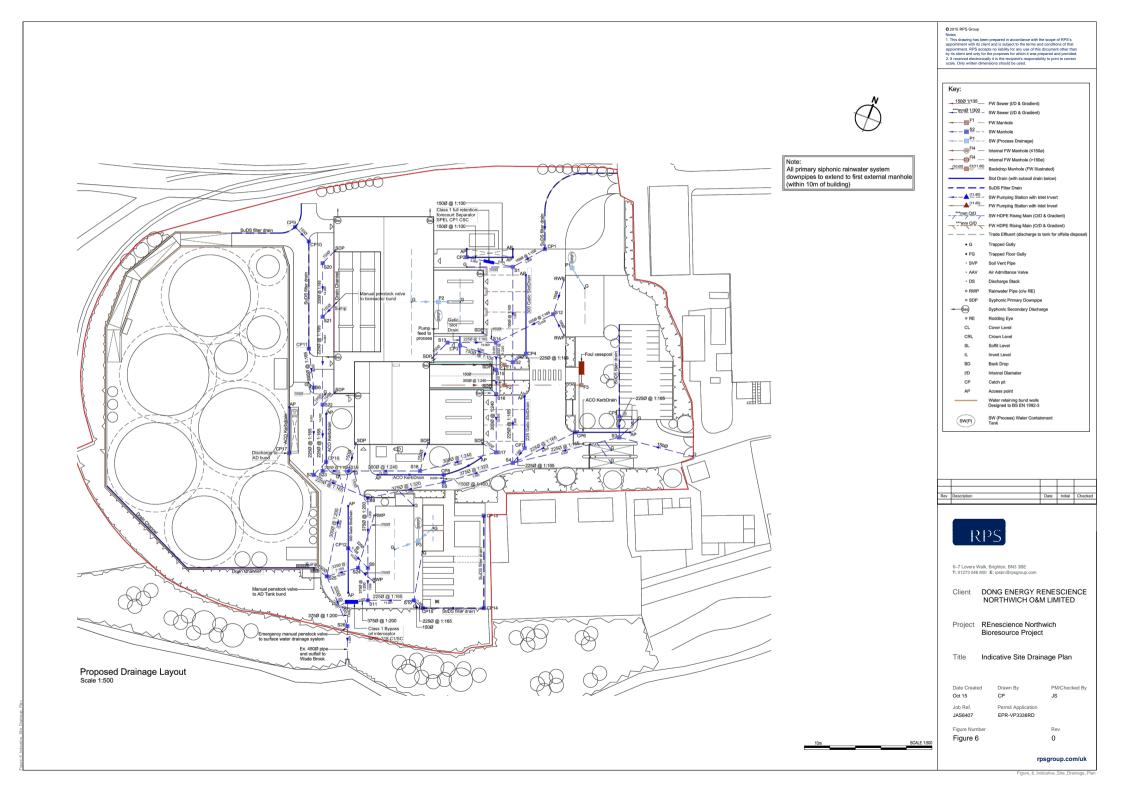


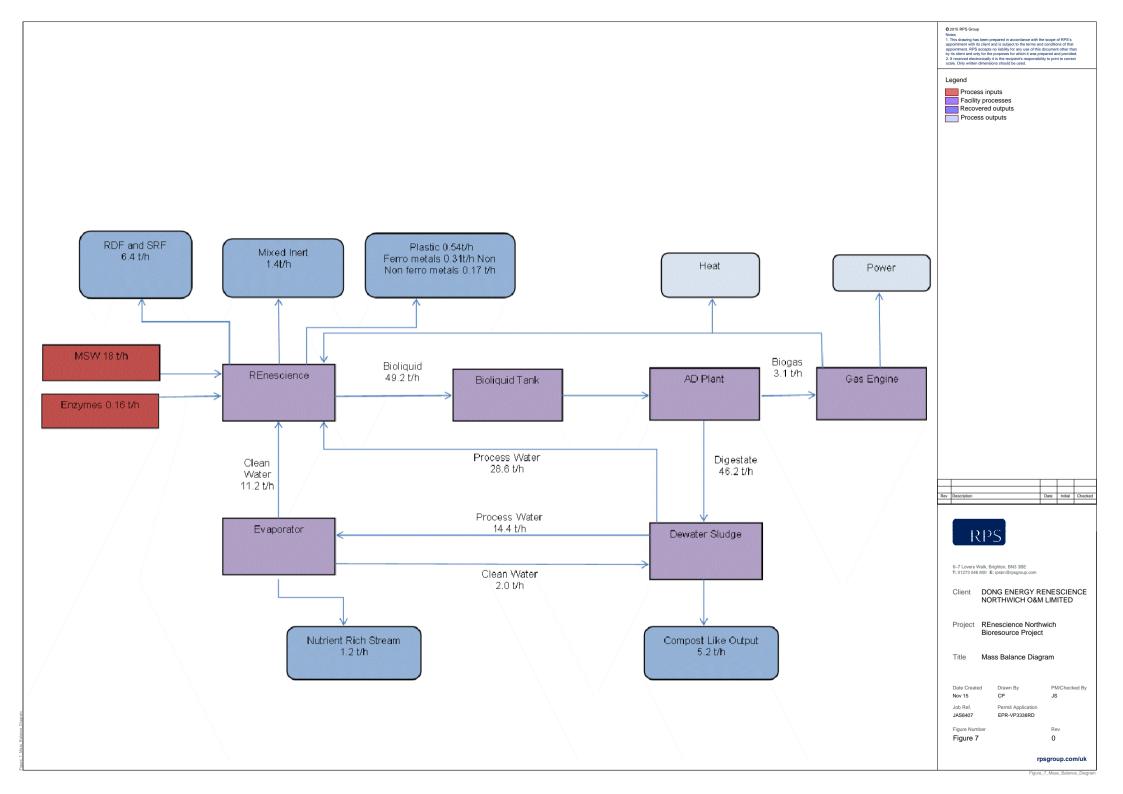


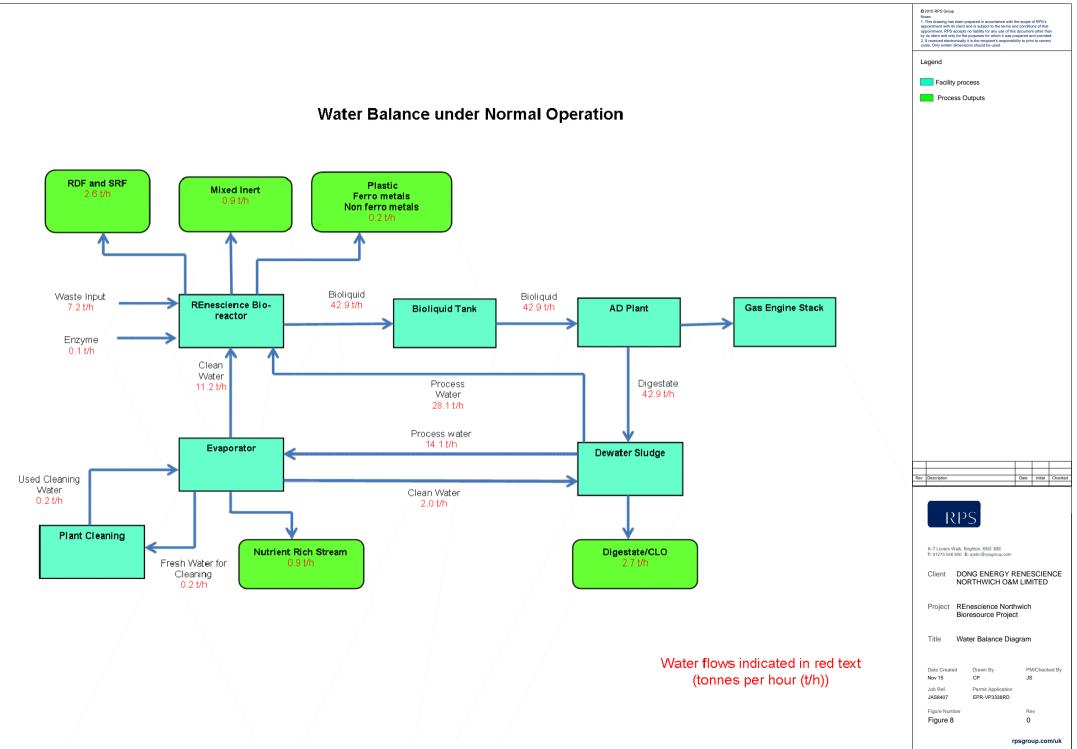












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Legend Energy Input Produced Energy Output

Energy Balance Under Normal Operation

	Hourly					Annual base	ed on 8000 hour	s per annum	1	
	Import KW per hour			Produced KW per hour		Import MWh			Produced MWh	
Power Usage	Electricity (grid)	Electricity (engines)	Heat	Electricity	Heat	Electricity (grid)	Electricity (engines)	Heat	Electric- ity	Heat
Waste reception and feed	119					952				
Bioreactor	122		360			976		2,880		
Bioliquid cleaning	39					312				
2D separation	53					424				
3D separation	46					368				
Water loops	252		200			2,016		1,600		
AD plant	275		750			2,200		6,000		
Hygienisation of digestate	33		1,680			264		13,440		
Gas engines		40		6,345	3,830		320		50,760	30,640
Building and ventilation	185		200			1,480		1,600		
ΤΟΤΑ	L 1,124	40	3,190	6,345	3,830	8,992	320	25,520	50,760	30,640



Rev

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Client DONG ENERGY RENESCIENCE NORTHWICH O&M LIMITED

Project REnescience Northwich Bioresource Project

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