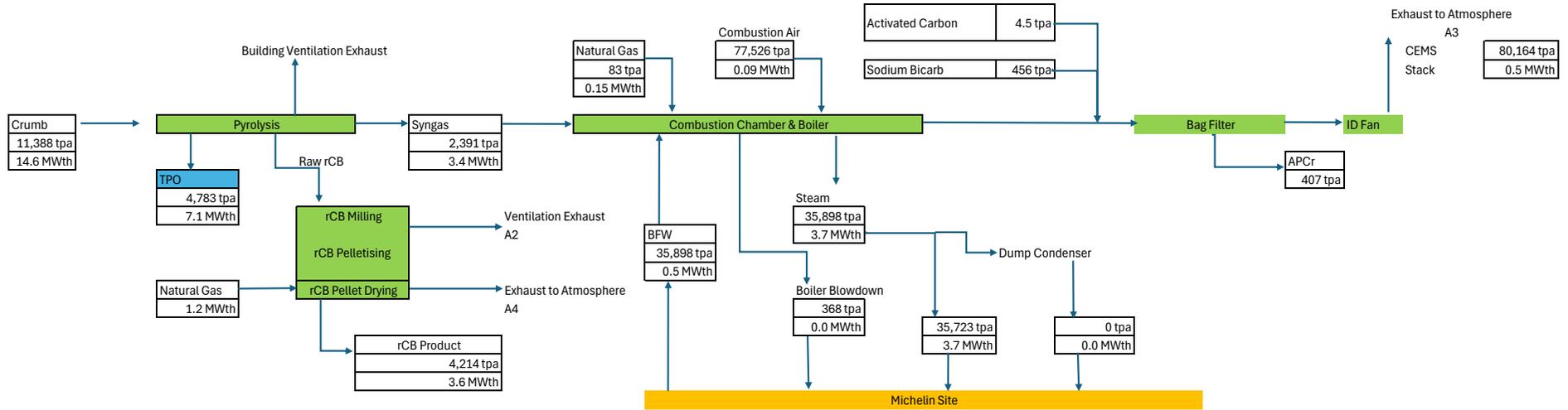


Summary Heat & Mass Balance for Project Triumph Pyrolysis System For SWIP Permitting



Energy Balance			
Inputs		Outputs	
Crumb	14.6 MWth	Steam to Heliex	0.0 MWth
Natural Gas	0.15 MWth	TPO	7.1 MWth
Boiler Feedwater	0.50 MWth	rCB	3.6 MWth
Combustion Air	0.09 MWth	Steam to Michelin	3.7 MWth
Pyrolysis Elec Power	0.55 MWth	Boiler Blowdown	0.0 MWth
		Condensate	0.0 MWth
		Fibre	0.0 MWth
		Flue Gas	0.5 MWth
		Losses	1.0 MWth
Total	15.8 MWth	Total	15.8 MWth

Mass Balance			
Inputs		Outputs	
Crumb	11,388 tpa	Fibre	0 tpa
Combustion Air	77,526 tpa	Steel	0 tpa
Activated Carbon	5 tpa	TPO	4,783 tpa
Sodium Bicarb	456 tpa	rCB	4,214 tpa
Natural Gas	83 tpa	APCr	407 tpa
		Flue Gas	80,164 tpa
Total	89,458 tpa	Total	89,568 tpa