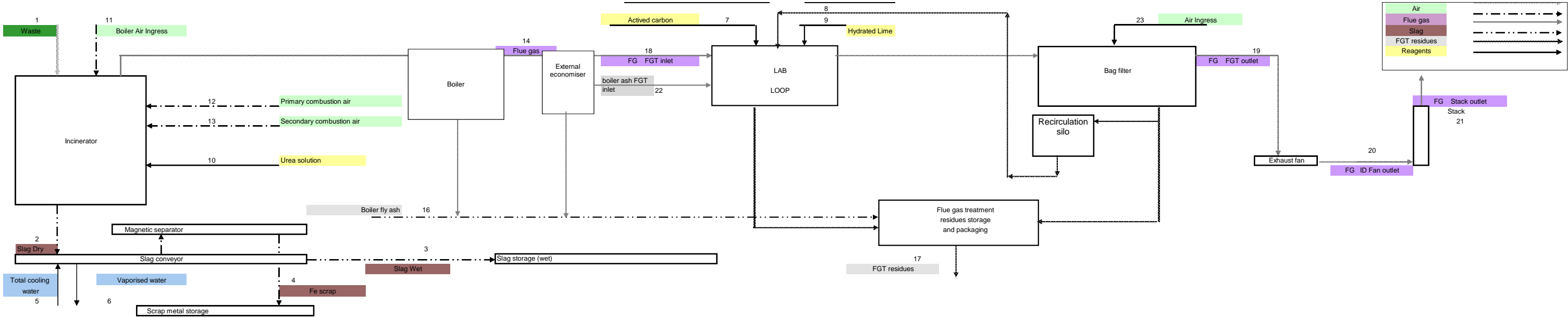


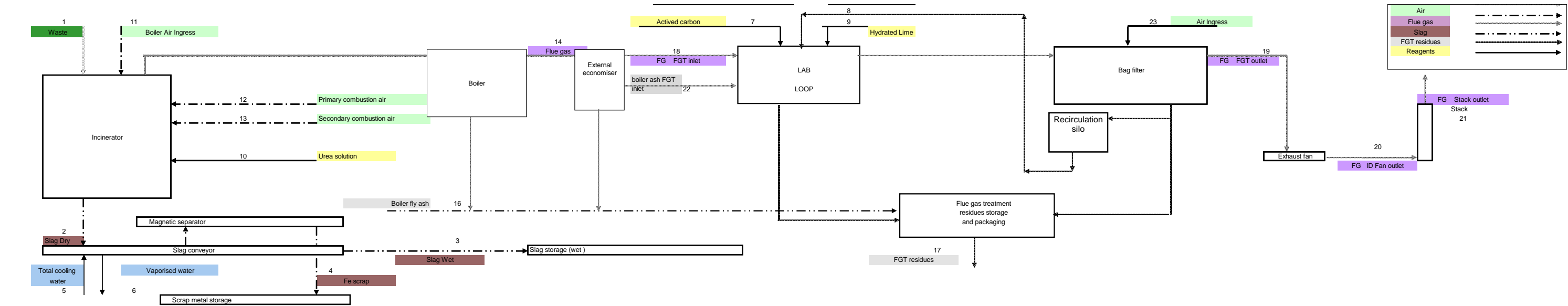
BELGRADE Mass Diagram



Expected

Estimated Mass Balance Data

			1	2	3	4	5	6	7	8	9		10	11		12		13		14	
			Waste	Slag Dry	Slag Wet	Fe scrap	Cooling Water Slag	Slag	Vaporised Water Slag	Act Carb	Ash recirculation	Hydrated lime 95%	Slaked Lime	Urea solution 40%	Boiler Air Ingress		Primary Air		Secondary Air		FG Boiler outlet
Streams			kg/h	kg/h	kg/h	kg/h	kg/h	kg/h	kg/h	kg/h	kg/h	kg/h	kg/h	Nm3/h	°C	Nm3/h	°C	Nm3/h	°C	Nm3/h	°C
1	MCR		43600	10246	12808	0	3052	491	13,1	4000	383		200	4954	15	108470	180	46490	180	191734	180
			1	16	17		18	19	20	21	22	23									
			Waste	Boiler Ash	FGT residues		FG FGT inlet		FG FGT outlet		FG ID Fan outlet		FG Stack outlet		Fly ash Boiler FG	Air Ingress Deduster					
			kg/h	kg/h	kg/h	°C	Nm3/h		°C	Nm3/h	°C	Nm3/h	°C	Nm3/h	°C	kg/h	Nm3/h	°C			
	MCR		43600	371	1756	125	191734	140	196883	135	196883	140	196883	140	867	1949	15				



Expected

Estimated Mass Balance Data

To achieve NOX = 200mg/Nm3 at the chimney

		1	2	3	4	5	6	7	8	9		10	11		12		13		14	
Streams		Waste	Slag Dry	Slag Wet	Fe scrap	Cooling Water Slag	Vaporised Water Slag	Act Carb	Ash recirculation	Hydrated lime 95%	Slaked Lime	Urea solution 40%	Boiler Air Ingress		Primary Air		Secondary Air		FG Boiler outlet	
		kg/h	kg/h	kg/h	kg/h	kg/h	kg/h	kg/h	kg/h	kg/h	kg/h	kg/h	Nm3/h	°C	Nm3/h	°C	Nm3/h	°C	Nm3/h	°C
1	MCR+	49400	12597	15746	0	3458	309	14,8	4000	388		200	4954	15	111410	180	47750	180	200284	180
		1	16	17		18		19		20		21		22	23					
		Waste	Boiler Ash	FGT residues		FG FGT inlet		FG FGT outlet		FG ID Fan outlet		FG Stack outlet	Fly ash Boiler FG	Air Ingress Deduster						
		kg/h	kg/h	kg/h	°C	Nm3/h	°C	Nm3/h	°C	Nm3/h	°C	Nm3/h	°C	kg/h	Nm3/h	°C				
MCR+		49400	378	1788	125	200284	140	205519	135	205519	140	205519	140	883	2035	15				