

ENGINEERS REPORT

Engineer Name	Jordan Ackland	Date	17/06/2025
Site Name	Angus Fire	Client Name	H.A McEwen Boiler Repairs
Job Number	FW0001261		

Job Description

Attend Site and down rate burner below 5MW.

Part of the MCPD existing plant between 1-5MW, not required to hold a permit until 2029.

Controls Access code:
968-358

Desription of work Carried Out

Attended site at Angus fire in regards to burner rating on their steam boiler.

On arrival I carried out signing in procedure and was met by on site team who gave me full explanation of the issue that has arisen, I mentioned to them that burner will needed to be rated for its potential max KW usage by running the boiler at 100% firing rate and conducting oil metering calculations.

My calculations showed that the burner without any adjustments for any commissioning works was already below 5mw/5000kw -

30 seconds burnt 3 L/PH

60 seconds burnt 6 L/PH

& by calculating this by x60 would be 360LPH

This would calculate to 3830kw that the burner would be able to achieve at its highest firing rate & cannot exceed with without extensive commissioning works by third party contractors.

Burner input rating -3830kw

Boiler maximum steam production rating - 4860kg/h

Spare/Materials Used

Na

Further Works Recommended

Na

Company Registration
Number: 07057689

Engineer's Signature:



Data Readings											
Appliance Model No. 1											
Burner Type	Boiler Type	Flue Type	Burner Serial Number	Gas M3/hr	Ventilation Ok	Gas Working	Gas Standing	Gas supply Pressure	Filter Type	OIL Nozzle Size	OIL Pump P.S.I
Modulating oil	3 pass Firetube	OF	Na	Na	Na	Na	Na	Na	Na	Na	Na
Wiring Condition Ok	Mechanical Condition Ok	Refractory Ok	Furnace Pressure	Flue ways Ok	Warning Noticed issued	Appliance Type					
Yes	Yes	Yes	Na	Yes	No	Dunphy					

Combustion/Data Readings						
Appliance Model No. 1						
Firing Rate	Smoke No.	O2 %	CO PPM	CO2 %	Flue Temp	Nox
Low Fire	Na	Na	Na	Na	Na	Na
Mid Fire	Na	Na	Na	Na	Na	Na
High Fire	Na	Na	Na	Na	Na	Na