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Mr. David Nasol
Engineer
S.C. Dept. Health and Environmental Control
Air Permitting Division
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Good morning, David,

Per our previous conversation on June 12th, 2024, the Silfab SC facility is planning to install four hot water boilers, two for Phase 1 and two additional units for Phase 2, for process support and climate control. The table below (Table 3) shows the performance data and operating parameters including the maximum heat input rated at 8.0 MMBtu/hr, Also, these boilers will be fired solely by natural gas (i.e., no fuel oil backup). Based on SCDHEC Regulation 61-62.10, Section II (B)(2)(b), these units are considered exempt from air permitting since their maximum heat input capacity is less than 10 MMBTU/hr. We will include the emissions from these boilers in the updated combustion sources tab of the Emissions Calculations workbook. If you have any additional questions regarding the boiler information, please let me know.

Table 3. Model CFLC Boiler Ratings (Sea Level to 2000 Feet)

Description	Units	8000
Input Max.	BTU/Hr.	8,000,000
	KCAL/Hr.	2,016,000
Natural Gas (1000 Btu/ft3)	FT3/Hr	8000
Natural Gas	M3/Hr	226
Output at 130/80 F [54/27 C] 100% Firing	BTU/Hr.	7,520,000
	KCAL/Hr.	1,895,040
	BHP	225
	KW	2204
Output at 180/140 F [82/60 C] 100% Firing	BTU/Hr.	7,040,000
	KCAL/Hr.	1,774,080
	BHP	210
	KW	2063
MAWP	PSI	160
	BAR	11
MAWT	°F	250
	°C	121
Operating Temperature, Max.	°F	230
	°C	110
Water Content	Gallons	511
	Liters	1934
Weight w/o Water (Shipping)	Pounds	10,500
	Kg	4763
Operating Weight	Pounds	14,760
	Kg	6695
Fireside Heating Surface	ft2	1,454
	m2	135
Waterside Heating Surface	ft2	546
	m2	51
Standby Heat Loss	BTU/Hr	16,000
	Watts	4689
Fan Motor Size 20ppm NOx	HP	10
Fan Motor Size 9ppm NOx	HP	15
Operating Voltage, Fan ^A	Volts/Ph/Hz	460/3/60
Control Circuit ^B	Volts/Ph/Hz	115/1/60
Incoming Power (Ampacity)	Amps	18.5
Flue Gas Mass Flow @ 100% Firing (Natural Gas)	lb/hr	9,064
	kg/h	4111

Best regards,

Matt Korzelius
 Plant Facilities Director
 Silfab Solar SC