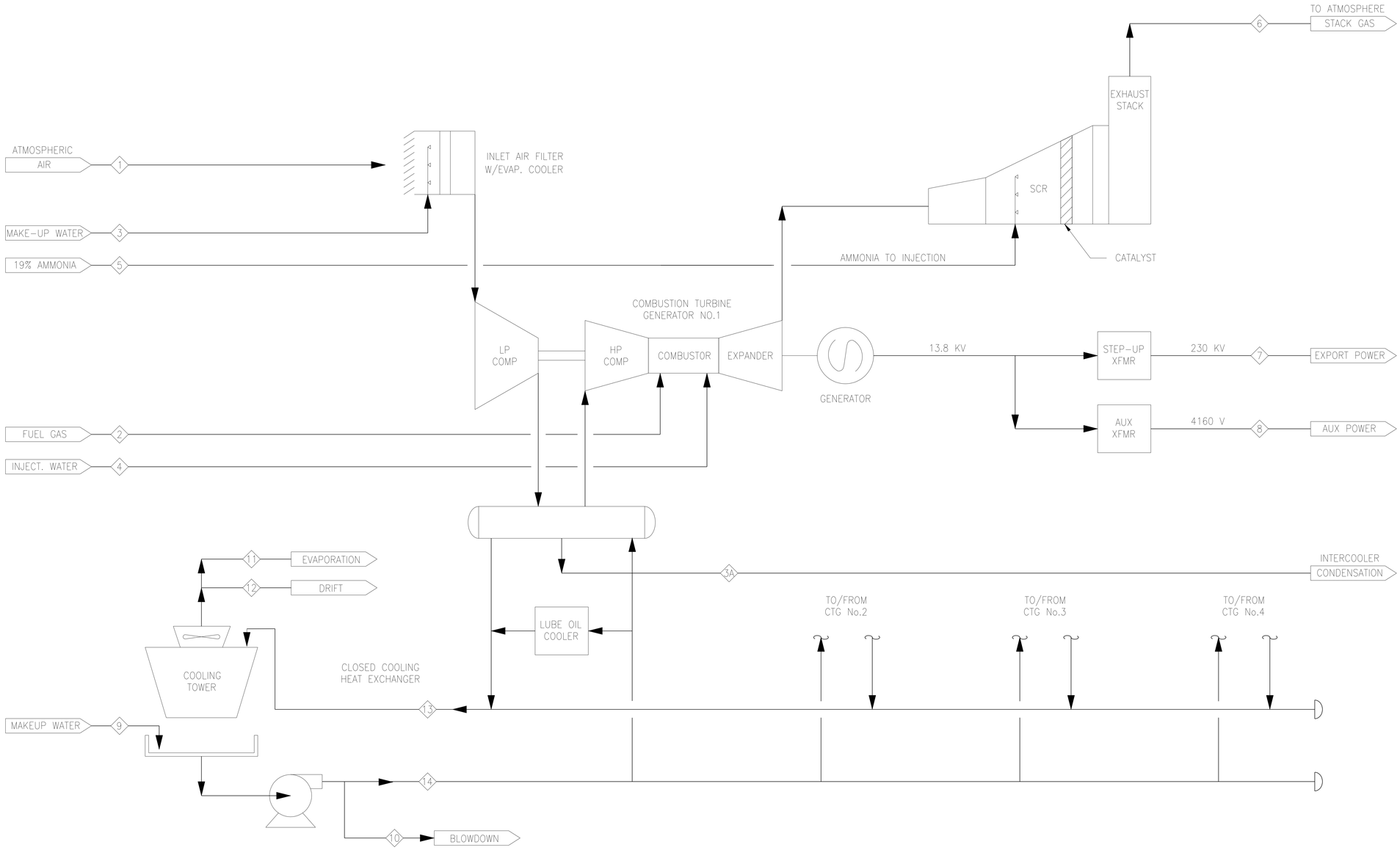
NOTES

1. STREAM DESIGNATION 6
2. COMBUSTION TURBINE GENERATOR GROSS OUTPUT AT 100% LOAD AND THE GIVEN AMBIENT CONDITION IS 102,297 KW EACH
3. AMBIENT CONDITION 63.3°F DB/55.6°F WB
4. VALUES ARE FOR CTG'S AT 100% LOAD WITHOUT INLET EVAPORATIVE COOLING



HEAT AND MATERIAL BALANCE FOR NOTE 3 AMBIENT CONDITION

		ONE COMBUSTION TURBINE GENERATOR									FOUR (4) COMBUSTION TURBINE GENERATORS														
	UNITS	1	2	3	3A	4	5	6	7	8	1	2	3	3A	4	5	6	7	8	9	10	11	12	13	14
FLOW	lb/hr	1,170,036	39,562	0	0	31,963	230	1,699,071	—	—	6,680,144	158,248	0	0	127,852	920	6,676,284	—	—	426,735	133,286	293,380	—	13,783,446	13,783,446
FLOW	gpm	—	—	0	0	63.9	0.5	—	—	—	—	—	0	0	256	2.0	—	—	—	853	267	587	0.1	27,600	27,600
TEMPERATURE	°F	63.3	212			80	80	787	—	—	63.3	212			80	80	787	—	—	65	75.6	—	—	104.4	75.3
LHV HEAT INPUT	mmBtu/hr		820.6									3,283													
GROSS POWER	KW								100,047	2,250								400,188	9,000						
Gr.LHV HEAT RATE	Btu/kwhr								8,202									8,202							

REV	DESCRIPTION	DWN	CHK	APP	DATE
B	REVISED FIGURE NUMBER	DNL	REB	SMG	07-21-06
A	ISSUED FOR AFC PERMIT	DNL	REB	SMG	06-21-06

KIEWIT INDUSTRIAL CO.
A Kiewit Company

PANOCHE ENERGY CENTER LLC

Bibb and associates
8455 Lenexa Drive
Lenexa, Kansas 66214

FIGURE 3.4-5

HEAT AND MASS BALANCE
AVERAGE AMBIENT

	by	date
DESIGNED	REB	06-21-06
DRAWN	DNL	06-21-06
CHECKED	REB	06-21-06
APPROVED	SMG	06-21-06

DRAWING NUMBER
2006-027-HMBA-001

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