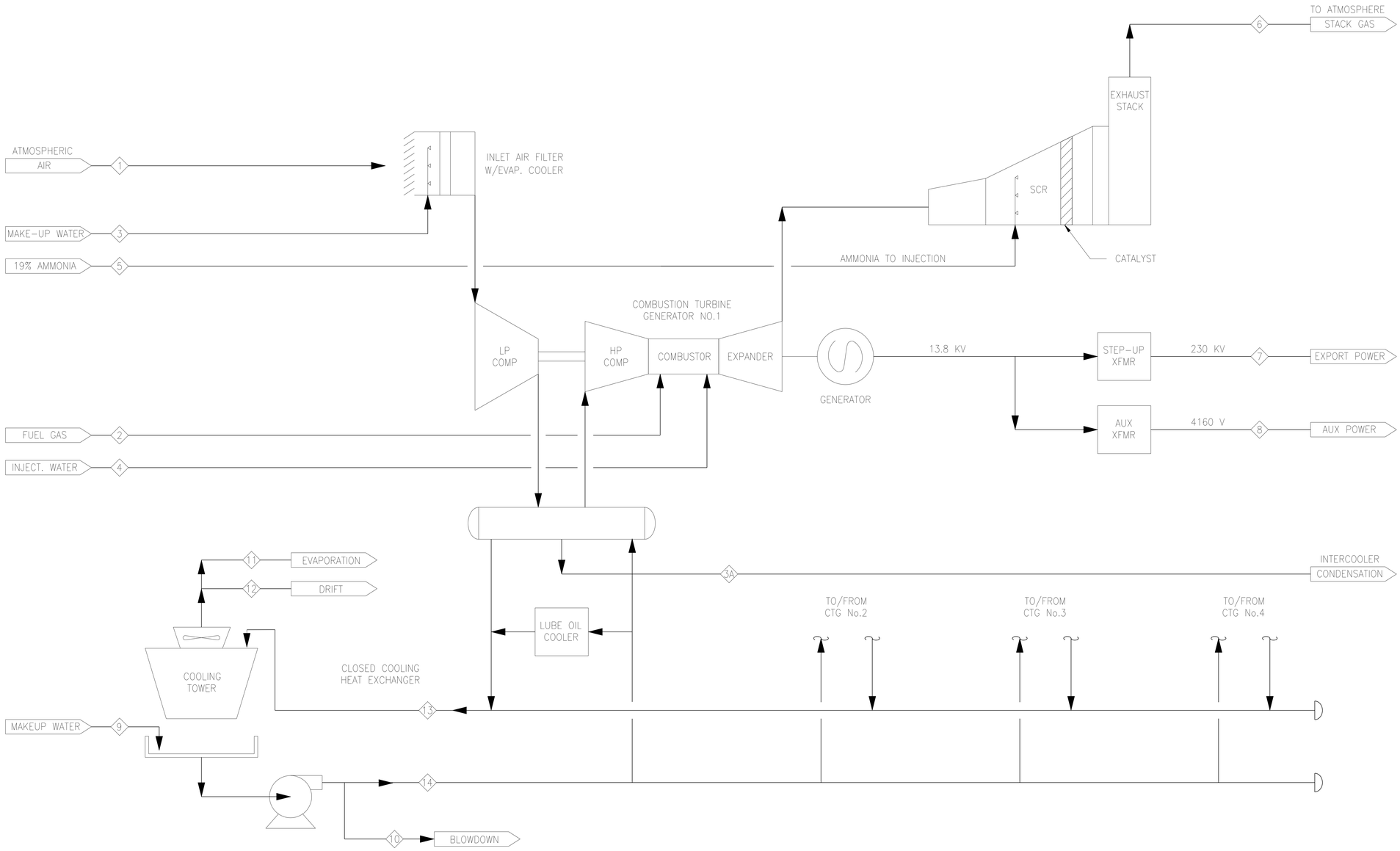
NOTES

1. STREAM DESIGNATION ◇6
2. COMBUSTION TURBINE GENERATOR GROSS OUTPUT AT 100% LOAD AND THE GIVEN AMBIENT CONDITION IS 101,118 KW EACH
3. AMBIENT CONDITION 16.8°F DB/15.8°F WB
4. VALUES ARE FOR CTG'S AT 100% LOAD



HEAT AND MATERIAL BALANCE FOR NOTE 3 AMBIENT CONDITION

		ONE COMBUSTION TURBINE GENERATOR								FOUR (4) COMBUSTION TURBINE GENERATORS													
	UNITS	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	9	10	11	12	13	14
FLOW	lb/hr	1,711,561	38,496	0	32,544	224	1,710,622	—	—	6,846,244	153,984	0	130,176	894	6,842,488	—	—	254.109	79,340	174.700	—	13,787,413	13,787,413
FLOW	gpm	—	—	0	65.1	0.4	—	—	—	—	—	0	260	1.6	—	—	—	508	159	349	0.1	27,600	27,600
TEMPERATURE	°F	16.8	212		60	60	741	—	—	16.8	212		60	60	741	—	—	50	73.6	—	—	96	73.6
LHV HEAT INPUT	mmBtu/hr		798.5								3,194												
GROSS POWER	KW							98,868	2250							395,472	9,000						
Gr.LHV HEAT RATE	Btu/kwhr							8,077								8,077							

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 3.4-6

HEAT AND MASS BALANCE
COLD 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-HMBC-001

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