

APPENDIX 8.1B

Emissions and Operating Parameters

Table 8.1B-2
Auxiliary Boiler

Rating (MMBtu/hr) = 38.02
 Fuel = Natural Gas
 Exhaust Temperature (F) = 583
 Stack Diameter (ft) = 2.5
 Exhaust Flow Rate (acfm) = 16303.5
 Exhaust Velocity (ft/sec) = 55.36
 Stack Height (ft AGL) = 125

	NOx	CO	VOC	SOx		PM10
				(short term)	(long term)	
Exhaust Concentration (ppmvd @ 3% O ₂) =	9	50	9.53			
Hourly Emissions (lbs/hr) =	0.41	1.39	0.15	0.080	0.027	0.19

**Table 8.1B-3
Emergency Engine**

Emergency Firepump Engine					
Rating (bhp) =	240				
Fuel =	Diesel				
Fuel Consumption (gal/hr) =	10.3				
Exhaust Temperature (F) =	891				
Exhaust Diameter (inches) =	6				
Exhaust Flow Rate (acfm) =	1,227				
Exhaust Velocity (ft/sec) =	104				
Stack height (ft AGL) =	22				
	NOx	CO	VOC	SOx	PM10
Emission Factor (g/bhp-hr) =	4.41	0.59	0.49	0.0050	0.14
Hourly Emissions (lbs/hr) =	2.33	0.31	0.26	0.0026	0.074

Table B.1B-4
 South Bay Replacement Project
 Assumptions Used to Calculate Maximum Hourly, Daily, and Annual Criteria Pollutant Emissions

Emitting Unit and Operating Mode	Max. CO Emiss. Scenario			Max. NOx Emiss. Scenario			Max. PM10/SOx Emiss. Scenario			Max. VOC Emiss. Scenario			NOx				SOx				CO				VOC				PM10		
	Max. CO Emission Hour (Startup)	Max. CO Emission Day (Startup + Duct Firing)	Max. CO Emission Year Scenario	Max. NOx Emission Hour (Startup)	Max. NOx Emission Day (Startup + Duct Firing)	Max. NOx Emission Year Scenario	Max. PM-10/SOx Emission Hour (Duct Firing)	Max. PM-10/SOx Emission Day (Duct Firing)	Max. PM-10/SOx Emission Year Scenario	Max. VOC Emission Hour (Startup)	Max. VOC Emission Day (Startup + Duct Firing)	Max. VOC Emission Year Scenario	Maximum Hourly Emission Rate (lb/hr)		Startup (lbs/hr)		Base Load (lb/hr)		Startup	Base Load (lb/hr)		Startup	Base Load (lbs/hr)		Startup	Base Load		Startup			
	(hrs)	(hrs/day)	(hrs/yr)	(hrs)	(hrs/day)	(hrs/yr)	(hrs)	(hrs/day)	(hrs/yr)	(hrs)	(hrs/day)	(hrs/yr)	Short Term	Long Term	Short Term	Long Term	Short Term	Long Term	lb/hr	Short Term	Long Term	lb/hr	Short Term	Long Term	lb/hr	Short Term	Long Term	lb/hr	lb/hr	lb/hr	
Gas Turbine 1, baseload hot wo duct													11.18	9.50			3.25	1.08		13.61	13.61		3.90	3.90		7.75					
Gas Turbine 2, baseload hot wo duct													11.18	9.50			3.25	1.08		13.61	13.61		3.90	3.90		7.75					
Gas Turbine 1, baseload avg. wo duct			4,204			6,280			8,260			8,260	12.73	10.82			3.70	1.23		15.51	15.51		4.44	4.44		7.75					
Gas Turbine 2, baseload avg. wo duct			4,204			6,280			8,260			8,260	12.73	10.82			3.70	1.23		15.51	15.51		4.44	4.44		7.75					
Gas Turbine 1, baseload cold wo duct													13.61	11.57			3.96	1.32		16.58	16.58		4.75	4.75		7.75					
Gas Turbine 2, baseload cold wo duct													13.61	11.57			3.96	1.32		16.58	16.58		4.75	4.75		7.75					
Gas Turbine 1, duct burner at cold and avg. temp.		18	500		18	800	1	24	500		18	500	17.77	14.36			5.17	1.64		21.64	20.57		6.20	5.89		10.28					
Gas Turbine 2, duct burner at cold and avg. temp.		18	500		18	800	1	24	500		18	500	17.77	14.36			5.17	1.64		21.64	20.57		6.20	5.89		10.28					
Gas Turbine 1, startups	1	6	520	1	6	304				1	6		160	80	160	80	3.96	3.96	3.96	1,000	900	900	16.00	16.00	16.00	16.00	7.75				7.75
Gas Turbine 2, startups	1	6	520	1	6	304				1	6		160	80	160	80	3.96	3.96	3.96	1,000	900	900	16.00	16.00	16.00	16.00	7.75				7.75
Auxiliary Boiler	1	24	1664	1	24	800				1	24		0.41	0.41	0.41	0.41	0.080	0.027	0.080	1.39	1.39	1.39	0.15	0.15	0.15	0.15	0.19				0.19
Emergency Firepump Engine			50			50	1	1	50			50	2.33	2.33			0.0026	0.0026		0.31	0.31		0.26	0.26		0.074					
Total Emitting Hours	1	24	5,224	1	24	7,384	1	24	8,760	1	24	8,760																			

Table B.1B-5
 South Bay Replacement Project
 Maximum Hourly, Daily, and Annual Criteria Pollutant Emissions

Emitting Unit and Operating Mode	NOx			SOx			CO			VOC			PM10		
	Max lb/hr	Max lb/day	Total tpy	Max lb/hr	Max lb/day	Total tpy	Max lb/hr	Max lb/day	Total tpy	Max lb/hr	Max lb/day	Total tpy	Max lb/hr	Max lb/day	Total tpy
Gas Turbine 1, baseload hot wo duct	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gas Turbine 2, baseload hot wo duct	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gas Turbine 1, baseload avg. wo duct	0.00	0.00	33.99	0.00	0.00	5.10	0.00	0.00	32.59	0.00	0.00	18.34	0.00	0.00	32.01
Gas Turbine 2, baseload avg. wo duct	0.00	0.00	33.99	0.00	0.00	5.10	0.00	0.00	32.59	0.00	0.00	18.34	0.00	0.00	32.01
Gas Turbine 1, baseload cold wo duct	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gas Turbine 2, baseload cold wo duct	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gas Turbine 1, duct burner at cold and avg. temp.	0.00	319.91	5.74	5.17	124.03	0.41	0.00	389.55	5.14	0.00	111.56	1.47	10.28	246.77	2.57
Gas Turbine 2, duct burner at cold and avg. temp.	0.00	319.91	5.74	5.17	124.03	0.41	0.00	389.55	5.14	0.00	111.56	1.47	10.28	246.77	2.57
Gas Turbine 1, startups	160.00	960.00	12.16	0.00	0.00	0.00	1000.00	5400.00	234.00	16.00	96.00	0.00	0.00	0.00	0.00
Gas Turbine 2, startups	160.00	960.00	12.16	0.00	0.00	0.00	1000.00	5400.00	234.00	16.00	96.00	0.00	0.00	0.00	0.00
Auxiliary Boiler	0.41	9.86	0.16	0.00	0.000	0.0000	1.39	33.36	1.16	0.15	3.64	0.00	0.00	0.00	0.00
Emergency Firepump Engine	0.00	0.00	0.06	0.00	0.003	0.0001	0.00	0.00	0.01	0.00	0.00	0.01	0.07	0.07	0.002
Total	320.41	2569.68	104.01	10.34	248.06	11.01	2001.39	11612.46	544.64	32.15	418.76	39.63	20.64	493.61	69.16
Gas turbines=	320.00	2559.81	103.78	10.34	248.06	11.01	2000.00	11579.10	543.48	32.00	415.12	39.63	20.56	493.53	69.16
Engine and Boiler =	0.41	9.86	0.22	0.00	0.00	0.00	1.39	33.36	1.16	0.15	3.64	0.01	0.07	0.07	0.00

Table 8.1B-6
South Bay Replacement Project
Historical Fuel Use Baseline, South Bay Power Plant

Operating Period	Unit 1		Unit 2		Unit 3		Unit 4		CT	
	Oil (MMBTU)	Gas (MMBTU)								
Jan-Mar 1999	-	1,848,778	-	1,151,530	-	2,060,516	-	253,580	214	-
Apr-Jun 1999	-	1,081,205	-	823,395	13,687	700,898	-	403,520	15,094	-
Jul-Sep 1999	-	1,943,903	-	1,700,804	-	1,474,369	-	788,889	13,241	-
Oct-Dec 1999	-	1,817,715	-	1,320,061	-	1,244,671	-	672,065	4,951	-
Jan-Mar 2000	-	1,425,487	-	1,304,817	10,278	1,213,800	-	504,835	3,281	-
Apr-Jun 2000	-	1,800,915	-	1,550,576	-	1,180,877	-	1,311,159	34,905	-
Jul-Sep 2000	-	2,303,718	-	2,071,483	-	2,175,584	-	1,574,500	106,296	-
Oct-Dec 2000	15,847	2,039,469	-	292,114	31,130	1,914,144	23,528	1,240,680	42,052	-
Jan-Mar 2001	135,258	1,962,947	227,413	1,659,465	-	764,778	64,973	1,027,825	42,480	22
Apr-Jun 2001	-	1,664,619	-	1,631,375	71,261	1,680,519	-	782,595	219	-
Jul-Sep 2001	-	1,548,880	-	1,540,276	-	1,722,384	-	483,800	566	-
Oct-Dec 2001	-	1,093,238	-	1,137,902	-	1,808,126	-	4,489	-	-
Jan-Mar 2002	-	854,969	-	1,502,767	-	1,167,385	120,669	380,748	-	-
Apr-Jun 2002	-	1,224,374	-	1,065,145	-	679,971	-	185,634	765	-
Jul-Sep 2002	-	1,340,385	-	1,259,785	-	1,136,837	-	284,527	235	-
Oct-Dec 2002	-	1,202,268	-	853,045	-	339,232	-	77,672	472	-
Jan-Mar 2003	-	1,359,831	-	1,391,569	-	936,832	-	-	904	-
Apr-Jun 2003	-	732,874	-	796,575	-	864,219	-	-	1,712	-
Jul-Sep 2003	-	740,367	-	1,677,266	-	1,672,243	-	470,407	14,243	-
Oct-Dec 2003	-	1,495,402	-	1,014,315	-	909,618	-	159,203	5,619	-
Jan-Mar 2004	-	203,534	-	1,430,949	-	1,846,999	-	739,475	5,885	-
Apr-Jun 2004	-	1,423,601	-	1,268,791	-	988,310	-	1,030,360	1,177	-
Jul-Sep 2004	-	1,862,700	-	1,779,134	-	1,380,604	-	932,521	3,590	-
Oct-Dec 2004	-	1,958,392	-	1,874,222	-	1,561,907	-	259,567	12,182	-
Jan-Mar 2005	3,980	1,943,234	2,303	1,561,836	2,866	1,490,508	5,578	624,366	6,121	-
Apr-Jun 2005	-	1,625,465	-	1,233,358	-	778,841	-	566,421	412	-
Jul-Sep 2005	-	830,562	-	1,105,439	-	1,217,002	-	232,208	2,883	-
Oct-Dec 2005	-	1,262,687	-	611,771	468	1,231,778	-	221,503	942	-

**Table 8.1B-7
South Bay Replacement Project
Calculation of SBPP Emissions Baseline**

Natural Gas Firing

Pollutant	Emission Factors		
	Factor	Units	Source
SO2	0.0006	lb/MMBtu	Acid Rain
PM10	7.6	lb/10 ⁶ scf	AP-42
VOC	5.5	lb/10 ⁶ scf	AP-42
CO	84	lb/10 ⁶ scf	AP-42

Unit	Natural Gas Fuel Use			Average Emissions, lb/yr				2004 NOx (Calculated)		2005 NOx	NOx
	2004+2005 MMBtu	2004 Mcf	2005 Mcf	SO2	PM10	VOC	CO	Em Factor lb/10 ⁶ scf	Emissions, lb/yr	from CEMS lb/yr	Baseline lb/yr
Unit 1	11,110,175	5,380,908	5,582,267	3,333	41,660	30,149	460,453	11.9	64,033	67,585	65,809
Unit 2	10,865,500	6,278,531	4,450,925	3,260	40,772	29,506	450,637	11.7	73,459	51,514	62,486
Unit 3	10,495,949	5,713,185	4,652,424	3,149	39,389	28,505	435,356	12.6	71,986	53,946	62,966
Unit 4	4,606,421	2,928,293	1,619,737	1,382	17,283	12,507	191,017	9.08	26,589	15,834	21,212
CTG	-	-	-	-	-	-	-	-	-	-	-
Total lb/yr				11,123	139,104	100,667	1,537,463				212,473
Total TPY				5.56	69.55	50.33	768.73				106.24

Oil Firing

Pollutant	Emission Factors			
	Factor	Units	Source	
Sulfur	0.315	0.008 wt%	Test Results	
SO2	50.03	1.07 lb/10 ³ gal	Stoichiometric Calc.	
PM10	9.19S+3.22+1.5	1.60 lb/10 ³ gal	AP-42, 2004 Inventory	
VOC	0.76	0.06 lb/10 ³ gal	AP-42, 2004 Inventory	
CO	5.00	10.60 lb/10 ³ gal	AP-42, 2004 Inventory	
NOx	N/A	18.00 lb/10 ³ gal	2004 Inventory	

Unit	Oil Fuel Use, 2004-2005		Average Emissions, lb/yr				
	barrels	gallons	SO2	PM10	VOC	CO	NOx
Unit 1	648	27,216	681	104	10	68	0
Unit 2	375	15,750	394	60	6	39	0
Unit 3	543	22,806	570	87	9	57	0
Unit 4	908	38,136	954	145	14	95	0
CTG	5899	247,737	133	198	7	1,313	2,230
Total lb/yr			2,732	594	47	1,573	2,230
Total TPY			1.37	0.30	0.02	0.79	1.11

Historical Baseline Emissions

Baseline Emissions, tons per year				
SO2	PM10	VOC	CO	NOx
6.93	69.85	50.36	769.52	107.35

Table 8.1B-8
South Bay Replacement Project
Annual and Maximum Hourly Non-Criteria Pollutant Emissions From Gas Turbines

Pollutant	Emission Factor ⁽¹⁾ lb/MMscf	1 Turbine Max Firing Rate MMBtu/hr	Natural Gas HHV Btu/scf	Turbine Operating Hours hrs/yr	1 Turbine Max Hourly Firing Rate MMscf/hr	1 Turbine Annual Avg Firing Rate MMscf/yr	1 Turbine Max. Hourly Emissions lbs/hr (each)	2 Turbines Max. Hourly Emissions lbs/hr	1 Turbine Annual Emissions tons/yr (each)	2 Turbines Annual Emissions tons/yr
Ammonia	10 ppmv slip	2,452.7	1,018	8,760	2.41	16,616.48	3.29E+01	6.58E+01	113.44	226.88
Propylene	7.71E-01	2,452.7	1,018	8,760	2.41	16,616.48	1.86E+00	3.72E+00	6.41	12.81
Hazardous Air Pollutants										
Acetaldehyde	4.08E-02	2,452.7	1,018	8,760	2.41	16,616.48	9.83E-02	1.97E-01	0.34	0.68
Acrolein	3.69E-03	2,452.7	1,018	8,760	2.41	16,616.48	8.89E-03	1.78E-02	0.03	0.061
Benzene	3.33E-03	2,452.7	1,018	8,760	2.41	16,616.48	8.02E-03	1.60E-02	0.03	0.055
1,3-Butadiene	4.39E-04	2,452.7	1,018	8,760	2.41	16,616.48	1.06E-03	2.12E-03	0.00	0.0073
Ethylbenzene	3.26E-02	2,452.7	1,018	8,760	2.41	16,616.48	7.85E-02	1.57E-01	0.27	0.54
Formaldehyde	3.67E-01	2,452.7	1,018	8,760	2.41	16,616.48	8.84E-01	1.77E+00	3.05	6.10
Hexane	2.59E-01	2,452.7	1,018	8,760	2.41	16,616.48	6.24E-01	1.25E+00	2.15	4.30
Naphthalene	1.66E-03	2,452.7	1,018	8,760	2.41	16,616.48	4.00E-03	8.00E-03	0.01	0.028
PAHs (listed individually below)	1.31E-04	2,452.7	1,018	8,760	2.41	16,616.48	3.16E-04	6.31E-04	0.00	2.18E-03
Benzo(a)anthracene	2.26E-05									
Benzo(a)pyrene	1.39E-05									
Benzo(b)fluoranthrene	1.13E-05									
Benzo(k)fluoranthrene	1.10E-05									
Chrysene	2.52E-05									
Dibenz(a,h)anthracene	2.35E-05									
Indeno(1,2,3-cd)pyrene	2.35E-05									
Propylene oxide	2.96E-02	2,452.7	1,018	8,760	2.41	16,616.48	7.13E-02	1.43E-01	0.25	0.49
Toluene	1.33E-01	2,452.7	1,018	8,760	2.41	16,616.48	3.20E-01	6.41E-01	1.10	2.21
Xylene	6.53E-02	2,452.7	1,018	8,760	2.41	16,616.48	1.57E-01	3.15E-01	0.54	1.09
Total HAPs =										15.56

(1) All factors except PAHs, hexane and propylene from AP-42, Table 3.1-3, 4/00. Acrolein, benzene and formaldehyde reflect oxidation catalyst. Individual PAHs, hexane and propylene are CATEF mean results as AP-42 does not include factors for these compounds.

Non-Criteria Pollutant Emissions from Standby/Emergency Engine

Engine	Pollutant	Hourly Emissions (lbs/hr)	Annual Emissions (tons/yr)
Fire Water Pump Engine	Diesel PM	0.07	0.0019

Table 8.1B-8 (cont'd)

Annual and Maximum Hourly Non-Criteria Pollutant Emissions From the Auxiliary Boiler

Pollutant	Emission Factor ⁽¹⁾ lb/MMscf	Aux. Boiler Max Firing Rate MMBtu/hr	Natural Gas HHV Btu/scf	Aux. Boiler Operating Hours hrs/yr	Aux. Boiler Max Hourly Firing Rate MMscf/hr	Aux. Boiler Annual Avg Firing Rate MMscf/yr	Aux. Boiler Max. Hourly Emissions lbs/hr (each)	Aux. Boiler Max. Hourly Emissions lbs/hr	Aux. Boiler Annual Emissions tons/yr
Ammonia	--	38.0	1,018	1,664	0.04	62.15	0.00E+00	0.00E+00	0.00E+00
Propylene	1.55E-02	38.0	1,018	1,664	0.04	62.15	5.79E-04	5.79E-04	4.82E-04
Hazardous Air Pollutants									
Acetaldehyde	9.0E-04	38.0	1,018	1,664	0.04	62.15	3.36E-05	3.36E-05	2.80E-05
Acrolein	8.0E-04	38.0	1,018	1,664	0.04	62.15	2.99E-05	2.99E-05	2.49E-05
Benzene	1.7E-03	38.0	1,018	1,664	0.04	62.15	6.35E-05	6.35E-05	5.28E-05
Ethylbenzene	0	38.0	1,018	1,664	0.04	62.15	7.47E-04	7.47E-04	6.21E-04
Formaldehyde	3.6E-03	38.0	1,018	1,664	0.04	62.15	1.34E-04	1.34E-04	1.12E-04
Hexane	0.0	38.0	1,018	1,664	0.04	62.15	4.86E-05	4.86E-05	4.04E-05
Naphthalene	3.0E-04	38.0	1,018	1,664	0.04	62.15	1.12E-05	1.12E-05	9.32E-06
Polycyclic Aromatics (2)	1.00E-04	38.0	1,018	1,664	0.04	62.15	3.73E-06	3.73E-06	3.11E-06
Toluene	7.8E-03	38.0	1,018	1,664	0.04	62.15	2.91E-04	2.91E-04	2.42E-04
Xylene	0	38.0	1,018	1,664	0.04	62.15	2.17E-04	2.17E-04	1.80E-04
Total HAPs =									1.31E-03

1) Emission factors from Ventura County APCD.

2) Polycyclic aromatic hydrocarbons, excluding naphthalene (modeled separately).

Table 8.1B-9

Gas Turbine/HRSG Commissioning Profile

Operating Mode	Maximum Hours of Operation ⁽¹⁾	Hourly Emissions (lbs/hr)					Total Emissions (lbs)				
		NOx ⁽²⁾	CO ⁽³⁾	VOC ⁽⁴⁾	PM10 ⁽⁵⁾	SOx ⁽⁶⁾	NOx	CO	VOC	PM10	SOx
CTG/HRSG 1 - No/20% Load	120	436	1000	16.00	7.75	3.96	52,320	120,000	1,920	930	475
CTG/HRSG 2 - No/20% Load	120	436	1000	16.00	7.75	3.96	52,320	120,000	1,920	930	475
CTG/HRSG 1 - 50% Load	144	39.24	20.33	2.00	18.00	0.26	5,651	2,928	288	2,592	37
CTG/HRSG 2 - 50% Load	144	39.24	20.33	2.00	18.00	0.26	5,651	2,928	288	2,592	37
CTG/HRSG 1 - Full Load - No SCR	48	62.00	31.46	3.00	18.00	0.40	2,976	1,510	144	864	19
CTG/HRSG 2 - Full Load - No SCR	48	62.00	31.46	3.00	18.00	0.40	2,976	1,510	144	864	19
CTG/HRSG 1 - Full Load - Partial SCR	24	37.90	11.60	2.55	18.25	0.34	910	278	61	438	8
CTG/HRSG 2 - Full Load - Partial SCR	24	37.90	11.60	2.55	18.25	0.34	910	278	61	438	8
CTG/HRSG 1 - Full Load - Full SCR	600	13.80	11.60	2.10	18.50	0.28	8,280	6,960	1,260	11,100	168
CTG/HRSG 2 - Full Load - Full SCR	600	13.80	11.60	2.10	18.50	0.28	8,280	6,960	1,260	11,100	168
CTG/HRSG 1 - Hot Starts	6	160	1000	16.00	7.75	3.96	960	6,000	96	47	24
CTG/HRSG 2 - Hot Starts	6	160	1000	16.00	7.75	3.96	960	6,000	96	47	24
Total	1884	--	--	--	--	--	142,192	275,352	7,538	31,941	1,461

Notes to Table 8.1B-9

(1) Based on experience at commissioning the 7EA turbines at the Walnut Energy Center.

(2) NOx Emissions

- No Load test: Based on uncontrolled emission level in ppmc @ 15% O₂ = 100
- 50% Load test: Based on a NOx emission level in ppmc @ 15% O₂ = 9 and B&V Dry Heat Rejection Emission calculation of January 23, 2006.
- Full Load No SCR test: Based on NOx level in ppmc @ 15% O₂ = 9 and B&V Dry Heat Rejection Emission calculation of January 23, 2006.
- Full Load Partial SCR test: Based on NOx emission level at the midway point between 9 and 2.0 ppmc = 5.5
- Full Load Full SCR test: Based on meeting the project design NOx emission level in ppmc @ 15% O₂ = 2 and B&V Dry Heat Rejection Emission calculation of January 23, 2006.
- Hot Startups: Based on maximum NOx emission level expected during hot startups.

(3) CO Emissions

- No Load test: Based on maximum startup emissions of 1,000 lbs/hr.
- 50% Load test: Based on B&V Dry Heat Rejection Emission calculation of January 23, 2006.
- Full Load No SCR test: Based on B&V Dry Heat Rejection Emission calculation of January 23, 2006.
- Full Load Partial SCR test: Based on unit meeting the project design level of 4 ppmc @ 15% O₂ with oxidation catalyst installed and operating, and B&V Dry Heat Rejection Emission calculation of January 23, 2006.
- Full Load Full SCR test: Based on unit meeting the project design level of 4 ppmc @ 15% O₂ with oxidation catalyst installed and operating, and B&V Dry Heat Rejection Emission calculation of January 23, 2006.
- Hot Startups: Based on maximum CO emission level expected during hot startups.

(4) VOC Emissions

- No Load test: Same as startup emissions.
- 50% Load test: Based on B&V Dry Heat Rejection Emission calculation of January 23, 2006.
- Full Load No SCR test: Based on 7EA machine with VOC levels of 1.3 ppmvd @ 15 % O₂.
- Full Load Partial SCR test: Based on the midpoint between full load with and without SCR.
- Full Load Full SCR test: Based on VOC level of 0.9 ppmvd @ 15 % O₂.
- Hot Startups: Based on maximum VOC emission level of 16 lbs/hr expected during hot startups.

(5) PM10 Emissions

- No Load test: Same as startup emissions.
- 50% Load test: Based on B&V Dry Heat Rejection Emission calculation of January 23, 2006.
- Full Load No-SCR test: Based on B&V Dry Heat Rejection Emission calculation of January 23, 2006.
- Full Load Partial SCR test: Based on the midpoint between full load with and without SCR.
- Full Load Full-SCR test: Based on B&V Dry Heat Rejection Emission calculation of January 23, 2006.
- Hot Startups: Based on maximum emission level expected without duct firing.

(6) SOx Emissions

- No Load test: Same as startup emissions.
- 50% Load test: Based on B&V Dry Heat Rejection Emission calculation of January 23, 2006.
- Full Load No-SCR test: Based on B&V Dry Heat Rejection Emission calculation of January 23, 2006.
- Full Load Partial SCR test: Based on the midpoint between full load with and without SCR.
- Full Load Full-SCR test: Based on B&V Dry Heat Rejection Emission calculation of January 23, 2006.
- Hot Startups: Based on maximum emission level expected with tariff limit sulfur content of 0.75 grains/100scf natural gas.