

**CROCKETT COGENERATION**, A California Limited Partnership

RECEIVED

2020 MAR 11 AM 11:47

BAY AREA AIR QUALITY  
MANAGEMENT DISTRICT

550 Loring Avenue  
Crockett, California 94525  
(510) 787-4100

March 9, 2020

Director of Compliance and Enforcement  
Bay Area Air Quality Management District  
375 Beale Street Suite 600  
San Francisco, CA 94105  
Attn: Title V Reports

876 (LP)

TV Tracking #: 9

Re: Title V Semi-Annual Monitoring Report  
Crockett Cogeneration #A8664

1.  RECEIVED IN ENFORCEMENT: 03/11/2020

Dear Sir,

Attached is the Title V Monitoring Report from Crockett Cogeneration, for the period from September 1, 2019 to February 29, 2020. During this period we have maintained continuous compliance with the monitoring requirements under the Title V monitoring program with the exception of the following deviation:

Date & Times	Incident Number	Inoperative Monitor	Breakdown/Exceedance	Source Affected
11/23/19 @ 17:00	ID# 07Q17	N/A	Exceedance of NH3 Slip limit	S-205

In Table 1, we have provided a complete listing of all monitoring requirements as specified in our Title V Major Facility Operating Permit. The monitoring frequency indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, either annual (A), quarterly (Q), monthly (M), daily (D), or on an event basis (E). The letter (N) represents if no monitoring is required. The compliance status for each of these is indicated as either continuous or intermittent. If you have any questions, please contact Chris Sargent at (510) 787-4101.

Based on information and belief formed after reasonable inquiry, the statements and information in the attached monitoring report are true, accurate, and complete.

Prepared for:

**CROCKETT COGENERATION,**  
A California Limited Partnership

By: Doug Williamson  
Plant Manager

**Monitoring Report  
 Crockett Cogeneration #A8664  
 Table 1**

**S-201 – Gas Turbine**

Type of limit	Emission Limit Citation	FE Y/N	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
NOx	BAAQMD 9-9-301.3	Y	9 ppmv @ 15% O <sub>2</sub> , dry	BAAQMD 9-9-501	C	CEM	Continuous
NOx	NSPS, 40 CFR 60.332 (a)(1)	Y	155.2 ppmv, @ 15% O <sub>2</sub> , dry	NSPS, 40 CFR 60.334 (c)	C	CEM	Continuous
NOx	BAAQMD condition #14970, part 9a	Y	39.2 lb/hr, for turbine and HRSG combined, 3-hr average	BAAQMD condition #14970, part 23	C	CEM	Continuous
NOx	BAAQMD condition #14970, part 9b	Y	5 ppmv, @ 15% O <sub>2</sub> , dry, for turbine and HRSG combined, 3-hr average	BAAQMD condition #14970, part 23	C	CEM	Continuous
NOx	BAAQMD condition #14970, part 20a	Y	969.7 lb/day for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 23	C	CEM	Continuous
NOx	BAAQMD condition #14970, part 21a	Y	160.85 ton/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 23	C	CEM	Continuous
CO	BAAQMD condition #14970, part 9c	Y	46.6 lb/hr, for turbine and HRSG combined, 3-hr average	BAAQMD condition #14970, part 23	C	CEM	Continuous
CO	BAAQMD condition #14970, part 9d	Y	10 ppmv, @ 15% O <sub>2</sub> , dry, for turbine and HRSG combined, 3-hr average	BAAQMD condition #14970, part 23	C	CEM	Continuous

Type of limit	Emission Limit Citation	FE Y/N	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
CO	BAAQMD condition #14970, part 20b	Y	745.0 lb/day for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 23	C	CEM	Continuous
CO	BAAQMD condition #14970, part 21b	Y	73.27 ton/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 23	C	CEM	Continuous
SO2	BAAQMD 9-1-301	Y	GLC <sup>1</sup> of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		Continuous
SO2	BAAQMD 9-1-302	Y	300 ppm (dry)		N		Continuous
SO2	NSPS 40 CFR 60.333(a)	Y	0.015% (vol) @15% O <sub>2</sub> (dry)	Exempt from monitoring requirement per NSPS 40 CFR 60.334(h)(3) for PUC quality natural gas.	N		Continuous
SO2	BAAQMD condition #14970, part 20e	Y	48.5 lb/day for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 24	P/D	Calculations	Continuous
SO2	BAAQMD condition #14970, part 21e	Y	8.01 ton/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 24	P/A	Calculations	Continuous
Opacity	BAAQMD 6-1-301	N	Ringelmann No. 1 for no more than 3 min/hr		N		Continuous
Filterable Particulate	BAAQMD 6-1-310	Y	0.15 grain/dscf @ 6% O <sub>2</sub>		N		Continuous
PM10	BAAQMD condition #14970, part 20d	Y	329.1 lb/day for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 24	P/D	Calculations	Continuous

Type of limit	Emission Limit Citation	FE Y/N	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
PM10	BAAQMD condition #14970, part 20d	Y	329.1 lb/day for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 27	P/A	Source test	Continuous
PM10	BAAQMD condition #14970, part 21d	Y	58.19 ton/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 24	P/A	Calculations	Continuous
POC	BAAQMD condition #14970, part 20c	Y	352.6 lb/day (as CH4) for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 24	P/D	Calculations	Continuous
POC	BAAQMD condition #14970, part 20c	Y	352.6 lb/day (as CH4) for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 27	P/A	Source test	Continuous
POC	BAAQMD condition #14970, part 21c	Y	48.45 ton/yr (as CH4) for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 24	P/A	Calculations	Continuous
NH3	BAAQMD condition #14970, part 9f	N	20 ppmv, @ 15% O2, dry, averaged over 3 hrs for turbine and HRSG combined	BAAQMD condition #14970, part 25	P/E	Calculations or source test	Continuous
NH3	BAAQMD condition #14970, part 9f	N	20 ppmv, @ 15% O2, dry, averaged over 3 hrs for turbine and HRSG combined	BAAQMD condition #14970, part 27	P/A	Source test	Continuous
Formaldehyde	BAAQMD condition #14970, part 22a	N	4318.6 lb/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 26	P/A	Calculations	Continuous
Formaldehyde	BAAQMD condition #14970, part 22a	N	4318.6 lb/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 29	P/every 2 years	Source Test	Continuous

Type of limit	Emission Limit Citation	FE Y/N	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
Benzene	BAAQMD condition #14970, part 22b	N	116.1 lb/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 26	P/A	Calculations	Continuous
Benzene	BAAQMD condition #14970, part 22b	N	116.1 lb/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 29	P/every 2 years	Source Test	Continuous
Specified PAH's	BAAQMD condition #14970, part 22c	N	78.7 lb/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 26	P/A	Calculations	Continuous
Specified PAH's	BAAQMD condition #14970, part 22c	N	78.7 lb/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 29	P/every 2 years	Source Test	Continuous
Heat input limit	BAAQMD condition #14970, part 2	Y	1,780 mmbtu/hr, 3-hr average	BAAQMD condition #14970, part 23	C	Fuel meter, calculations	Continuous
Heat input limit	BAAQMD condition #14970, part 4	Y	2,129 mmbtu/hr for turbine and HRSG combined, 3-hr average	BAAQMD condition #14970, part 23	C	Fuel meter, calculations	Continuous
Heat input limit	BAAQMD condition #14970, part 5	Y	51,096 mmbtu/day for turbine and HRSG combined	BAAQMD condition #14970, part 23	C	Fuel meter, calculations	Continuous
Heat input limit	BAAQMD condition #14970, part 6	Y	15,613,000 mmbtu/yr for turbine and HRSG combined	BAAQMD condition #14970, part 23	C	Fuel meter, calculations	Continuous
Heat input limit	BAAQMD condition #14970, part 18	Y	57,544 mmbtu/day, for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 23	C	Fuel meter, calculations	Continuous

Type of limit	Emission Limit Citation	FE Y/N	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
Heat input limit	BAAQMD condition #14970, part 19	Y	19,023,000 mmbtu/yr, for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 23	C	Fuel meter, calculations	Continuous
Firing hours and fuel flow rates	N/A	Y	N/A	BAAQMD condition #14970, part 23a	C	Fuel meter, calculations	Continuous
Oxygen	N/A	Y	N/A	BAAQMD condition #14970, part 23b	C	CEMS	Continuous
Oxidizing catalyst temp	BAAQMD condition #14970, part 9e	Y	550 degrees Fahrenheit	BAAQMD condition #14970, part 23	C	Temperature monitor	Continuous

<sup>1</sup> Ground Level Concentration

**S-202 – HEAT RECOVERY STEAM GENERATOR (HRSG)**

Type of limit	Emission Limit Citation	FE Y/N	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
NOx	BAAQMD 9-3-303	N	125 ppm	BAAQMD 1-520.1	C	CEM	Continuous
NOx	NSPS 40 CFR 60.44Da (a)(1)	Y	0.2 lb/mmbtu except during startup, shutdown, or malfunction	Exempt from CEMS per NSPS 40 CFR 60.49Da(o)	N		Continuous
NOx	BAAQMD condition #14970, part 9a	Y	39.2 lb/hr for turbine and HRSG combined, 3-hr average	BAAQMD condition #14970, part 23	C	CEM	Continuous
NOx	BAAQMD condition #14970, part 9b	Y	5.0 ppmv @ 15% O <sub>2</sub> , for turbine and HRSG combined, 3-hr average	BAAQMD condition #14970, part 23	C	CEM	Continuous
NOx	BAAQMD condition #14970, part 20a	Y	969.7 lb/day for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 23	C	CEM	Continuous
NOx	BAAQMD condition #14970, part 21a	Y	160.85 ton/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 23	C	CEM	Continuous
CO	BAAQMD condition #14970, part 9c		46.6 lb/hr, for turbine and HRSG combined, 3-hr average	BAAQMD condition #14970, part 23	C	CEM	Continuous
CO	BAAQMD condition #14970, part 9d		10 ppmv, @ 15% O <sub>2</sub> , dry, for turbine and HRSG combined, 3-hr average	BAAQMD condition #14970, part 23	C	CEM	Continuous
CO	BAAQMD condition #14970, part 20b	Y	745.0 lb/day for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 23	C	CEM	Continuous

Type of limit	Emission Limit Citation	FE Y/N	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
CO	BAAQMD condition #14970, part 21b	Y	73.27 ton/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 23	C	CEM	Continuous
SO2	BAAQMD 9-1-301	Y	GLC <sup>1</sup> of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		Continuous
SO2	BAAQMD 9-1-302	Y	300 ppm (dry)		N		Continuous
SO2	NSPS 40 CFR 60.43Da (b)(2)		0.2 lb/mmbtu, 24 hr average except during startup, shutdown		N		Continuous
SO2	BAAQMD condition #14970, part 20e	Y	48.5 lb/day for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 24	P/D	Calculations	Continuous
SO2	BAAQMD condition #14970, part 21e	Y	8.01 ton/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 24	P/A	Calculations	Continuous
Opacity	BAAQMD 6-1-301	N	Ringelmann No. 1 for <3 min/hr		N		Continuous
Opacity	BAAQMD 6-1-304	Y	During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion btu/24 hours		N		Continuous
Opacity	NSPS 40 CFR 60.42a(b)	Y	< 20% opacity, 6 minute average, except one six minute period/hr up to 27% opacity		N		Continuous
Filterable Particulate	BAAQMD 6-310	Y	0.15 grain/dscf @ 6% O2		N		Continuous

Type of limit	Emission Limit Citation	FE Y/N	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
Filterable Particulate	NSPS 40 CFR 60.42a(a) (1)	Y	0.03 lb TSP/mmbtu except during startup, shutdown, or malfunction		N		Continuous
PM10	BAAQMD condition #14970, part 20d	Y	329.1 lb/day for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 24	P/D	Calculations	Continuous
PM10	BAAQMD condition #14970, part 20d	Y	329.1 lb/day for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 27	P/A	Source test	Continuous
PM10	BAAQMD condition #14970, part 21d	Y	58.19 ton/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 24	P/A	Calculations	Continuous
POC	BAAQMD condition #14970, part 20c	Y	352.6 lb/day (as CH4) for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 24	P/D	Calculations	Continuous
POC	BAAQMD condition #14970, part 20c	Y	352.6 lb/day (as CH4) for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 27	P/A	Source test	Continuous
POC	BAAQMD condition #14970, part 21c	Y	48.45 ton/yr (as CH4) for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 24	P/A	Calculations	Continuous
NH3	BAAQMD condition #14970, part 9f	N	20 ppmv, @ 15% O2, dry, averaged over 3 hrs for turbine and HRSG combined	BAAQMD condition #14970, part 25	P/E	Calculations or source test	Continuous
NH3	BAAQMD condition #14970, part 9f	N	20 ppmv, @ 15% O2, dry, averaged over 3 hrs for turbine and HRSG combined	BAAQMD condition #14970, part 27	P/A	Source test	Continuous

Type of limit	Emission Limit Citation	FE Y/N	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
Formaldehyde	BAAQMD condition #14970, part 22a	N	4318.6 lb/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 26	P/A	Calculations	Continuous
Formaldehyde	BAAQMD condition #14970, part 22a	N	4318.6 lb/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 29	P/every 2 years	Source Test	Continuous
Benzene	BAAQMD condition #14970, part 22b	N	116.1 lb/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 26	P/A	Calculations	Continuous
Benzene	BAAQMD condition #14970, part 22b	N	116.1 lb/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970 part 29	P/every 2 years	Source Test	Continuous
Specified PAH's	BAAQMD condition #14970, part 22c	N	78.7 lb/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 26	P/A	Calculations	Continuous
Specified PAH's	BAAQMD condition #14970, part 22c	N	78.7 lb/yr for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 29	P/every 2 years	Source Test	Continuous
Heat input limit	BAAQMD condition #14970, part 3	Y	288.9 mmbtu/hr, 3-hr average	BAAQMD condition #14970, part 23	C	Fuel meter, calculations	Continuous
Heat input limit	BAAQMD condition #14970, part 4	Y	2,129 mmbtu/hr for turbine and HRSG combined, 3-hr average	BAAQMD condition #14970, part 23	C	Fuel meter, calculations	Continuous
Heat input limit	BAAQMD condition #14970, part 5	Y	51,096 mmbtu/day for turbine and HRSG combined	BAAQMD condition #14970, part 23	C	Fuel meter, calculations	Continuous

Type of limit	Emission Limit Citation	FE Y/N	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
Heat input limit	BAAQMD condition #14970, part 6	Y	15,613,000 mmbtu/yr for turbine and HRSG combined	BAAQMD condition #14970, part 23	C	Fuel meter, calculations	Continuous
Heat input limit	BAAQMD condition #14970, part 18	Y	57,544 mmbtu/day, for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 23	C	Fuel meter, calculations	Continuous
Heat input limit	BAAQMD condition #14970, part 19	Y	19,023,000 mmbtu/yr, for turbine, HRSG, and boilers combined	BAAQMD condition #14970, part 23	C	Fuel meter, calculations	Continuous
Firing hours and fuel flow rates	N/A	Y	N/A	BAAQMD condition #14970, part 23a	C	Fuel meter, calculations	Continuous
Oxygen	N/A	Y	N/A	BAAQMD condition #14970, part 23b	C	CEMS	Continuous
Oxidizing catalyst temp	BAAQMD condition #14970, part 9e	Y	550 degrees Fahrenheit	BAAQMD condition #14970, part 23	C	Temperature monitor	Continuous

<sup>1</sup> Ground Level Concentration

**S-203, S-204, and S-205 – Auxiliary Boilers**

Type of limit	Emission Limit Citation	FE Y/N	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
NOx	BAAQMD 9-3-303	N	125 ppm	BAAQMD 1-520.1	C	CEM	Continuous
NOx	BAAQMD 9-7-301.1	Y	30 ppmv @3%O2, dry	BAAQMD 1-520.1	C	CEM	Continuous
NOx	BAAQMD cond# 14970, part 17a	Y	3.7 lb/hr, 3-hr average for each boiler	BAAQMD cond# 14970, part 23	C	CEM	Continuous
NOx	BAAQMD cond# 14970, part 17b	Y	8.2 ppmv @ 3% O2, dry, 3-hr average	BAAQMD cond# 14970, part 23	C	CEM	Continuous
NOx	BAAQMD cond# 14970, part 20a	Y	969.7 lb/day for turbine, HRSG, and boilers combined	BAAQMD cond# 14970, part 23	C	CEM	Continuous
NOx	BAAQMD cond# 14970, part 21a	Y	160.85 ton/yr for turbine, HRSG, and boilers combined	BAAQMD cond# 14970, part 23	C	CEM	Continuous
NOx	NSPS 40 CFR 60.44b (a)(1)(i)	Y	0.1 lb/mmbtu	Monitoring requirement subsumed by monitoring for BACT limit. See Permit Shield.	N		Continuous
CO	BAAQMD 9-7-301.4	Y	400 ppmv @ 3% O2, dry	BAAQMD cond# 14970, part 23	C	CEM	Continuous
CO	BAAQMD cond# 14970, part 17c	Y	3.0 lb/hr, 3-hr average for each boiler	BAAQMD cond# 14970, part 23	C	CEM	Continuous

Type of limit	Emission Limit Citation	FE Y/N	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
CO	BAAQMD cond# 14970, part 17d	Y	11.0 ppmv @ 3% O <sub>2</sub> , dry, 3-hr average	BAAQMD cond# 14970, part 23	C	CEM	Continuous
CO	BAAQMD cond# 14970, part 20b	Y	745.0 lb/day for turbine, HRSG, and boilers combined	BAAQMD cond# 14970, part 23	C	CEM	Continuous
CO	BAAQMD cond# 14970, part 21b	Y	73.27 ton/yr for turbine, HRSG, and boilers combined	BAAQMD cond# 14970, part 23	C	CEM	Continuous
SO <sub>2</sub>	BAAQMD 9-1-301	Y	GLC <sup>1</sup> of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		Continuous
SO <sub>2</sub>	BAAQMD 9-1-302	Y	300 ppm (dry)		N		Continuous
SO <sub>2</sub>	BAAQMD cond# 14970, part 20e	Y	48.5 lb/day for turbine, HRSG, and boilers combined	BAAQMD cond# 14970, part 24	P/D	Calculations	Continuous
SO <sub>2</sub>	BAAQMD cond# 14970, part 21e	Y	8.01 ton/yr for turbine, HRSG, and boilers combined	BAAQMD cond# 14970, part 24	P/A	Calculations	Continuous
Opacity	BAAQMD 6-1-301	N	Ringelmann No. 1 for no more than 3 min/hr		N		Continuous
Opacity	BAAQMD 6-304	Y	During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion btu/24 hours		N		Continuous
Filterable Particulate	BAAQMD 6-1-310	Y	0.15 grain/dscf @ 6% O <sub>2</sub>		N		Continuous
PM <sub>10</sub>	BAAQMD cond# 14970, part 20d	Y	329.1 lb/day for turbine, HRSG, and boilers combined	BAAQMD cond# 14970, part 24	P/D	Calculations	Continuous

Type of limit	Emission Limit Citation	FE Y/N	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
PM10	BAAQMD cond# 14970, part 20d	Y	329.1 lb/day for turbine, HRSG, and boilers combined	BAAQMD cond# 14970, part 28	P/1-2 times per 5 years	Source Test	Continuous
PM10	BAAQMD cond# 14970, part 21d	Y	58.19 ton/yr for turbine, HRSG, and boilers combined	BAAQMD cond# 14970, part 24	P/A	Calculations	Continuous
POC	BAAQMD cond# 14970, part 20c	Y	352.6 lb/day (as CH4) for turbine, HRSG, and boilers combined	BAAQMD cond# 14970, part 24	P/D	Calculations	Continuous
POC	BAAQMD cond# 14970, part 20c	Y	352.6 lb/day (as CH4) for turbine, HRSG, and boilers combined	BAAQMD cond# 14970, part 28	P/1-2 times per 5 years	Source Test	Continuous
POC	BAAQMD cond# 14970, part 21c	Y	48.45 ton/yr (as CH4) for turbine, HRSG, and boilers combined	BAAQMD cond# 14970, part 24	P/A	Calculations	Continuous
NH3	BAAQMD cond# 14970, part 17f	N	20 ppmv, @ 3% O2, dry, averaged over 3 hrs	BAAQMD cond# 14970, part 25	P/E	Calculations or source test	Intermittent
NH3	BAAQMD cond# 14970, part 17f	N	20 ppmv, @ 3% O2, dry, averaged over 3 hrs	BAAQMD cond# 14970, part 28	P/1-2 times per 5 years	Source Test	Continuous
Formaldehyde	BAAQMD cond# 14970, part 22a	N	4318.6 lb/yr for turbine, HRSG, and boilers combined	BAAQMD cond# 14970, part 26	P/A	Calculations	Continuous
Benzene	BAAQMD cond# 14970, part 22b	N	116.1 lb/yr for turbine, HRSG, and boilers combined	BAAQMD cond# 14970, part 26	P/A	Calculations	Continuous

Type of limit	Emission Limit Citation	FE Y/N	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
Specified PAH's	BAAQMD cond# 14970, part 22c	N	78.7 lb/yr for turbine, HRSG, and boilers combined	BAAQMD cond# 14970, part 26	P/A	Calculations	Continuous
Heat input limit	BAAQMD cond# 14970, part 11	Y	376 mmbtu/hr, 3-hr average for each boiler	BAAQMD cond# 14970, part 23	C	Fuel meter, calculations	Continuous
Heat input limit	BAAQMD cond# 14970, part 12	Y	18,048 mmbtu/day, for all 3 boilers combined	BAAQMD cond# 14970, part 23	C	Fuel meter, calculations	Continuous
Heat input limit	BAAQMD cond# 14970, part 13	Y	6,575,000 mmbtu/yr, for all 3 boilers combined	BAAQMD cond# 14970, part 23	C	Fuel meter, calculations	Continuous
Heat input limit	BAAQMD cond# 14970, part 18	Y	57,544 mmbtu/day, for turbine, HRSG, and boilers combined	BAAQMD cond# 14970, part 23	C	Fuel meter, calculations	Continuous
Heat input limit	BAAQMD cond# 14970, part 19	Y	19,023,000 mmbtu/yr, for turbine, HRSG, and boilers combined	BAAQMD cond# 14970, part 23	C	Fuel meter, calculations	Continuous
Firing hours and fuel flow rates	N/A	Y	N/A	BAAQMD condition #14970, part 23a	C	Fuel meter, calculations	Continuous
Oxygen	N/A	Y	N/A	BAAQMD condition #14970, part 23b	C	CEMS	Continuous
Oxidizing catalyst temp	BAAQMD cond# 14970, part 17e	Y	430 degrees Fahrenheit	BAAQMD cond# 14970, part 23	C	Temperature monitor	Continuous

<sup>1</sup> Ground Level Concentration