

# Los Medanos Energy Center, LLC.

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750 E. 3<sup>rd</sup> Street  
Pittsburg, CA 94565

April 15, 2025

**TV Tracking #1110 (Semi-Annual)**

Compliance and Enforcement Division  
Bay Area Air Quality Management District  
375 Beale Street, Suite 600  
San Francisco, CA 94105

1.  RECEIVED IN  
ENFORCEMENT: 04/15/2025

**Re: Los Medanos Energy Center Facility B1866  
Title V Semi-Annual Monitoring Report  
Reporting Period: October 1, 2024 through March 31, 2025**

Attn: Title V Reports

During the reporting period LMEC was fully in compliance with Title V permit conditions. All other previously submitted documentation will not be reproduced in this report.

Should you have any questions, please contact Diana West at (925) 252-2069.

*As a Responsible Official, I certify that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.*

Sincerely,



Michael White  
Plant Manager and Authorized Signatory

cc: John Heiser - California Energy Commission    via email attachment  
EPA Region IX    via email attachment  
[EHSWalnutCreek@calpine.com](mailto:EHSWalnutCreek@calpine.com)    via email attachment

Attachment: Title V CEMS Semi-Annual Monitoring Report for the reporting period 10/1/24 – 3/31/25

Los Medanos Energy Center  
Title V CEMS Semi-Annual Monitoring Report  
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**Table VII – A**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-1, S-3 TURBINES**  
**S-2, S-4 HEAT RECOVERY STEAM GENERATORS**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
NO <sub>x</sub>	BAAQMD 9-3-303	N		125 ppm	BAAQMD 1-520.1	C	CEM	X	
	BAAQMD 9-9-301.2	N		0.15 lb/MW-hr or 5 ppmv	BAAQMD 9-9-501	C	CEM	X	
NO <sub>x</sub>	SIP 9-9-301.2	N		9 ppmv @ 15% O <sub>2</sub> , dry	BAAQMD 9-9-501	C	CEM	X	
	NSPS, 40 CFR 60.44 Da (a)(1)	Y		0.2 lb/MMBtu	40 CFR 60.48 Da(j)	C	CEM	X	
NO <sub>x</sub>	NSPS, 40 CFR 60.44 Da (d)(1)	Y		1.6 lb/MW-hr (rolling 24-hr average)	40 CFR 60.48 Da(k)	C	CEM	X	
NO <sub>x</sub>	NSPS, 40 CFR 60.332 (a)(1)	Y		75 ppmv, @ 15% O <sub>2</sub> , dry 4-hr average	40 CFR 60.334(c) and BAAQMD Condition 16676, Part 35b.	C	CEM	X	
		Y		None	40 CFR 75.10	C	CEM	X	
NO <sub>x</sub>	BAAQMD condition #16676, Part 21a	Y		20 lb/hr, for each turbine and HRSG combined, except during turbine startup, shutdown, steam turbine cold start-up, or combustor tuning period	BAAQMD condition #16676, Part 35b.	C	CEM	X	
NO <sub>x</sub>	BAAQMD condition #16676, Part 21a	Y		20 lb/hr, for each turbine and HRSG combined, except during turbine startup, shutdown, steam turbine cold start-up, or combustor tuning period	BAAQMD condition #16676, Part 39.	P/A	Source test at maximum load	X	
NO <sub>x</sub>	BAAQMD condition #16676, Part 21a	Y		0.009 lb/MM BTU, for each turbine and HRSG combined, except during turbine startup, shutdown, steam turbine cold start-up, or combustor tuning period	BAAQMD condition #16676, Part 35b.	C	CEM	X	

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
NO <sub>x</sub>	BAAQMD condition #16676, Part 21a	Y		0.009 lb/MM BTU, for each turbine and HRSG combined, except during turbine startup, shutdown, steam turbine cold start-up, or combustor tuning period	BAAQMD condition #16676, Part 39.	P/A	Source test at maximum load	X	
NO <sub>x</sub>	BAAQMD condition #16676, Part 21b	Y		2.5 ppmv, @ 15% O <sub>2</sub> , dry, for each turbine and HRSG combined, 1-hr average except during turbine startup, shutdown, steam turbine cold start-up, or combustor tuning period	BAAQMD condition #16676, Part 39.	P/A	Source test at maximum load	X	
NO <sub>x</sub>	BAAQMD condition #16676, Part 21b	Y		2.5 ppmv, @ 15% O <sub>2</sub> , dry, for each turbine and HRSG combined, 1-hr average except during turbine startup, shutdown, steam turbine cold start-up, or combustor tuning period	BAAQMD condition #16676, Part 35b.	C	CEM	X	
NO <sub>x</sub>	BAAQMD condition #16676, Part 23(a)	Y		240 lb/turbine during start-up	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
	BAAQMD condition #16676, Part 23(a)	Y		20 lb/turbine during shutdown	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
	BAAQMD condition #16676, Part 23(a)	Y		600 lb/turbine during steam turbine cold start-up or combustor tuning period	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
NO <sub>x</sub>	BAAQMD condition #16676, Part 32a	Y		1342 lb/day for turbines, HRSGs, and auxiliary boiler combined	BAAQMD condition #16676, Part 35b.	C	CEM	X	

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								Yes	No
	BAAQMD condition #16676, Part 33a	Y		175.7 ton/yr for turbines, HRSGs, and auxiliary boiler combined (includes emissions from commissioning period).	BAAQMD condition #16676, Part 35b.	C	CEM	X	
CO	BAAQMD condition #16676, Part 21c	Y		29.2 lb/hr, for turbine and HRSG combined, except during turbine startup, shutdown, steam turbine cold start-up, or combustor tuning period.	BAAQMD condition #16676, Part 39.	P/A	Source test at maximum and minimum load	X	
CO	BAAQMD condition #16676, Part 21c	Y		29.2 lb/hr, for turbine and HRSG combined, except during turbine startup, shutdown, steam turbine cold start-up, or combustor tuning period.	BAAQMD condition #16676, Part 35b.	C	CEM	X	
	BAAQMD condition #16676, Part 21c	Y		0.0132 lb/MM BTU, for turbine and HRSG combined, except during turbine startup, shutdown, steam turbine cold start-up, or combustor tuning period.	BAAQMD condition #16676, Part 39.	P/A	Source test at maximum and minimum load	X	
	BAAQMD condition #16676, Part 21c	Y		0.0132 lb/MM BTU, for turbine and HRSG combined, except during turbine startup, shutdown, steam turbine cold start-up, or combustor tuning period.	BAAQMD condition #16676, Part 35b.	C	CEM	X	
CO	BAAQMD condition #16676, Part 21d	Y		6 ppmv, @ 15% O <sub>2</sub> , dry, for turbine and HRSG combined, 3-hr average except during turbine startup, shutdown, steam turbine cold start-up, or combustor tuning period.	BAAQMD condition #16676, Part 35b.	C	CEM	X	

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								Yes	No
CO	BAAQMD condition #16676, Part 21d	Y		6 ppmv, @ 15% O <sub>2</sub> , dry, for turbine and HRSG combined, 3-hr average except during turbine startup, shutdown, steam turbine cold start-up, or combustor tuning period.	BAAQMD condition #16676, Part 39.	P/A	Source test at maximum and minimum load	X	
CO	BAAQMD condition #16676, Part 23(b)	Y		2514 lb/turbine during start-up, steam turbine cold start-up, or combustor tuning period.	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
CO	BAAQMD condition #16676, Part 23(b)	Y		44.1 lb/turbine during shutdown.	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
	BAAQMD condition #16676, Part 32b	Y		6445 lb/day for turbines, HRSGs, and auxiliary boiler combined.	BAAQMD condition #16676, Part 35b.	C	CEM	X	
CO	BAAQMD condition #16676, Part 33b	Y		506.4 ton/yr for turbines, HRSGs, and auxiliary boiler combined (includes emissions from commissioning period).	BAAQMD condition #16676, Part 35b.	C	CEM	X	
CO <sub>2</sub>		Y		None	40 CFR 75.10	C	fuel flow monitor and CO <sub>2</sub> calculation	X	
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		N/A	
	BAAQMD 9-1-302	Y		300 ppm (dry)		N		N/A	
SO <sub>2</sub>	NSPS 40 CFR 60.333(b)	Y		0.015% (vol) @ 15% O <sub>2</sub> (dry) or total sulfur content of fuel less than or equal to 0.8% sulfur by weight (8,000 ppmw).	NSPS 40 CFR 60.334 (h) (3) (ii) and BAAQMD Condition 16676, Part 14.	P/M	Monthly fuel sulfur analysis	X	

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								Yes	No
SO <sub>2</sub>	NSPS 40 CFR 60.43 Da (b)(2)			0.2 lb/MMBtu, 24 hr average except during startup, shutdown		N		N/A	
		Y		None	40 CFR 75.11, 40 CFR 75, Appendix D, Part 2.3.		Fuel measurements, calculations	X	
	BAAQMD condition #16676, Part 14	Y		Fuel sulfur content of 1 gr/100 scf	BAAQMD condition #16676, Part 14.	P/M	Fuel testing	X	
	BAAQMD condition #16676, Part 21g	Y		6.2 lb/hr, for turbine and HRSG combined	BAAQMD condition #16676, Part 39.	P/A	Source test at maximum and minimum load	X	
SO <sub>2</sub>	BAAQMD condition #16676, Part 21g	Y		0.00277 lb/MM BTU, for turbine and HRSG combined	BAAQMD condition #16676, Part 39.	P/A	Source test at maximum and minimum load	X	
SO <sub>2</sub>	BAAQMD condition #16676, Part 32e	Y		282.6 lb/day for turbines, HRSGs, and auxiliary boiler combined	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
	BAAQMD condition #16676, Part 33e	Y		47.11 ton/yr for turbines, HRSGs, and auxiliary boiler combined (includes emissions from commissioning period)	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
Opacity	BAAQMD 6-1-301	Y		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		N/A	
Opacity	SIP 6-301	Y		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		N/A	
Opacity	NSPS 40 CFR 60.42 Da (b)	Y		20% Opacity (6 min. avg.) with one 6 min. avg. at less than 27% Opacity	40 CFR 60.49 Da (a) (3)	N		N/A	
FP	BAAQMD 6-1-310	N		0.15 grain/dscf		N		N/A	

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								Yes	No
FP	SIP 6-310	Y		0.15 grain/dscf		N		N/A	
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O <sub>2</sub>		N		N/A	
	SIP 6-310.3	Y		0.15 grain/dscf @ 6% O <sub>2</sub>		N		N/A	
PM	NSPS 40 CFR 60.42 Da (a) (1)	Y		0.03 lb/MMBtu of PM		N		N/A	
PM	NSPS 40 CFR 60.42 Da (b)			< 20% opacity, 6-minute average, except one six minute period/hr up to 27% opacity.		N		N/A	
PM <sub>10</sub>	BAAQMD condition #16676, Part 21h	Y		9.0 lb/hr, for each turbine and HRSG combined.	BAAQMD condition #16676, Part 39.	P/A	Source test at maximum and minimum load	X	
PM <sub>10</sub>	BAAQMD condition #16676, Part 21h	Y		0.0040 lb/MM BTU, for each turbine and HRSG combined.	BAAQMD condition #16676, Part 39.	P/A	Source test at maximum and minimum load	X	
	BAAQMD condition #16676, Part 32d	Y		465 lb/day for turbines, HRSGs, and auxiliary boiler combined.	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
PM <sub>10</sub>	BAAQMD condition #16676, Part 33d	Y		69.2 ton/yr for turbines, HRSGs, and auxiliary boiler combined (includes emissions from commissioning period).	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
POC	BAAQMD condition #16676, Part 21f	Y		3.8 lb/hr (as CH <sub>4</sub> ) for each turbine, and HRSG combined except during turbine startup, shutdown, steam turbine cold start-up, or combustor tuning period.	BAAQMD condition #16676, Part 39.	P/A	Source test at maximum and minimum load	X	

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								Yes	No
POC	BAAQMD condition #16676, Part 21f	Y		0.0017 lb/MM BTU (as CH4) for each turbine, and HRSG combined except during turbine startup, shutdown, steam turbine cold start-up, or combustor tuning period	BAAQMD condition #16676, Part 39.	P/A	Source test at maximum and minimum load	X	
	BAAQMD condition #16676, Part 23(c)	Y		48 lb/turbine during start-up	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
POC	BAAQMD condition #16676, Part 23(c)	Y		8 lb/turbine during shutdown	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
	BAAQMD condition #16676, Part 23(c)	Y		96 lb/turbine during steam turbine cold start-up or combustor tuning period	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
	BAAQMD condition #16676, Part 32c	Y		271.3 lb/day (as CH4) for turbines, HRSGs, and auxiliary boiler combined	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
POC	BAAQMD condition #16676, Part 33c	Y		33.9 ton/yr for turbines, HRSGs, and auxiliary boiler combined (includes emissions from commissioning period)	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
NH <sub>3</sub>	BAAQMD condition #16676, Part 21e	N		10 ppmv, @ 15% O <sub>2</sub> , dry, averaged over 3 hrs for each turbine and HRSG combined except during turbine startup or shutdown	BAAQMD condition #16676, Part 35c.	C	Ammonia injection rate monitor	X	
NH <sub>3</sub>	BAAQMD condition #16676, Part 21e	N		10 ppmv, @ 15% O <sub>2</sub> , dry, averaged over 3 hrs for each turbine and HRSG combined except during turbine startup or shutdown	BAAQMD condition #16676, Part 21e.	C	Ammonia injection rate monitor	X	

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Formaldehyde	BAAQMD condition #16676, Part 34a	N		3817 lb/yr for turbine, HRSG, and auxiliary boiler combined.	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
	BAAQMD condition #16676, Part 34a	N		3817 lb/yr for turbine, HRSG, and auxiliary boiler combined.	BAAQMD condition #16676, Part 42.	P/every two years on P-1 or P-2	Source test	X	
Benzene	BAAQMD condition #16676, Part 34a	N		460.9 lb/yr for turbines, HRSGs, and auxiliary boiler combined.	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
	BAAQMD condition #16676, Part 34a	N		460.9 lb/yr for turbines, HRSGs, and auxiliary boiler combined.	BAAQMD condition #16676, Part 42.	P/every two years on P-1 or P-2	Source test	X	
Specified PAH's	BAAQMD condition #16676, Part 34c	N		78.5 lb/yr for turbines, HRSGs, and auxiliary boiler combined.	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
	BAAQMD condition #16676, Part 34c	N		78.5 lb/yr for turbines, HRSGs, and auxiliary boiler combined.	BAAQMD condition #16676, Part 42.	P/every two years on P-1 or P-2	Source test	X	
Heat input limit	BAAQMD condition #16676, Part 15	Y		2,225.1 MM BTU/hr, 3-hr average for each Turbine and HRSG, total.	BAAQMD condition #16676, Part 35a.	C	Fuel meter, firing monitor, calculations	X	
Heat Input Limit	BAAQMD condition #16676, Part 16	Y		50,738.24 MM BTU/calendar day, for each Turbine and HRSG, total.	BAAQMD condition #16676, Part 35a.	C	fuel meter, firing monitor, calculations	X	
	BAAQMD condition #16676, Part 17	Y		34,010,400 MM BTU/yr for S-1, S-3, Turbines and S-2, S-4, HRSGs combined.	BAAQMD condition #16676, Part 35a.	C	fuel meter, firing monitor, calculations	X	
Heat input limit	BAAQMD condition #16676, Part 30	Y		109,157 MM BTU/day, for turbines, HRSGs, and auxiliary boiler combined.	BAAQMD condition #16676, Part 35a.	C	Fuel meters	X	

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
	BAAQMD condition #16676, Part 31	Y		34,490,400 MM BTU/yr for turbines, HRSGs, and auxiliary boiler combined	BAAQMD condition #16676, Part 35a.	C	Fuel meters	X	
Steam turbine cold start-up or combustor tuning	BAAQMD condition #16676, Part 24	Y		30 hours per year per turbine	BAAQMD condition #16676, Part 55.	P/H	records	X	

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**Table VII - B**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-5, AUXILIARY BOILER**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
NO <sub>x</sub>	BAAQMD 9-3-303	N		125 ppm	BAAQMD 1-520.1	C	CEM	X	
	BAAQMD 9-7-301.1	N		30 ppmv @3% O <sub>2</sub> , dry	BAAQMD 1-520.1	C	CEM	X	
	SIP 9-7-301.1	Y		30 ppmv @3% O <sub>2</sub> , dry	BAAQMD 1-520.1	C	CEM	X	
NO <sub>x</sub>	NSPS 40 CFR 60.44b (a)(4)	Y		0.2 lb/MM BTU, 30-day rolling average in NSPS, 24 hour averaging period per BAAQMD Regulation 10, Part 4	NSPS 40 CFR 60.48(b) and Condition No. 16676 Part 35b.	C	CEM	X	
	BAAQMD condition #16676, Part 28a	Y		3.5 lb/hr except during startup or shutdown	BAAQMD condition #16676, Part 35b.	C	CEM	X	
	BAAQMD condition #16676, Part 28b	Y		9.0 ppmv @ 3% O <sub>2</sub> , 3-hr average	BAAQMD condition #16676, Part 35b.	C	CEM	X	
NO <sub>x</sub>	BAAQMD condition #16676, Part 32a	Y		1342 lb/day for turbines, HRSGs, and auxiliary boiler combined	BAAQMD condition #16676, Part 35b.	C	CEM	X	
NO <sub>x</sub>	BAAQMD condition #16676, Part 33a	Y		175.7 ton/yr for turbines, HRSGs, and auxiliary boiler combined (includes emissions from commissioning period)	BAAQMD condition #16676, Part 35b.	C	CEM	X	
CO	BAAQMD 9-7-301.4	N		400 ppmv @ 3% O <sub>2</sub> , dry	BAAQMD condition #16676, Part 35b.	C	CEM	X	
CO	SIP 9-7-301.2	Y		400 ppmv @ 3% O <sub>2</sub> , dry	BAAQMD condition #16676, Part 35(b).	C	CEM	X	
	BAAQMD condition #16676, Part 28c			11.8 lb/hr except during startup or shutdown	BAAQMD condition #16676, Part 35b.	C	CEM	X	

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
	BAAQMD condition #16676, Part 28d			50 ppmv @ 3% O <sub>2</sub> , 3-hr average.	BAAQMD condition #16676, Part 35b.	C	CEM	X	
	BAAQMD condition #16676, Part 32b	Y		6445 lb/day for turbines, HRSGs, and auxiliary boiler combined.	BAAQMD condition #16676, Part 35b.	C	CEM	X	
CO	BAAQMD condition #16676, Part 33b	Y		506.4 ton/yr for turbines, HRSGs, and auxiliary boiler combined (includes emissions from commissioning period).	BAAQMD condition #16676, Part 35b.	C	CEM	X	
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		N/A	
SO <sub>2</sub>	BAAQMD 9-1-302	Y		300 ppm (dry)		N		N/A	
SO <sub>2</sub>	BAAQMD condition #16676, Part 25	Y		Fuel sulfur content of 1 gr/100 scf.	BAAQMD condition #16676, Part 25.	P/M	Fuel testing	X	
	BAAQMD condition #16676, Part 28f	Y		0.5 lb/hr	BAAQMD condition #16676, Part 40.	P/A	Source test at maximum load	X	
SO <sub>2</sub>	BAAQMD condition #16676, Part 32e	Y		282.6 lb/day for turbines, HRSGs, and auxiliary boiler combined.	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
	BAAQMD condition #16676, Part 33e	Y		47.11 ton/yr for turbines, HRSGs, and auxiliary boiler combined (includes emissions from commissioning period).	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
Opacity	BAAQMD 6-1-301	N		> Ringelmann No. 1 for no more than 3 minutes in any hour.		N		N/A	
Opacity	BAAQMD 6-301	Y		> Ringelmann No. 1 for no more than 3 minutes in any hour.		N		N/A	

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-304	Y		During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion btu/24 hours.		N		N/A	
Opacity	SIP 6-304	Y		During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion btu/24 hours.		N		N/A	
FP	BAAQMD 6-1-310	N		0.15 grain/dscf		N		N/A	
FP	SIP 6-310	Y		0.15 grain/dscf		N		N/A	
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O <sub>2</sub>		N		N/A	
FP	SIP 6-310.3			0.15 grain/dscf @ 6% O <sub>2</sub>		N		N/A	
PM <sub>10</sub>	BAAQMD condition #16676, Part 28g	Y		1.6 lb/hr	BAAQMD condition #16676, Part 40.	P/A	Source test at maximum load	X	
PM <sub>10</sub>	BAAQMD condition #16676, Part 32d	Y		465 lb/day for turbines, HRSGs, and auxiliary boiler combined.	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
	BAAQMD condition #16676, Part 33d	Y		69.2 ton/yr for turbines, HRSGs, and auxiliary boiler combined (includes emissions from commissioning period).	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
POC	BAAQMD condition #16676, Part 28e	Y		1.7 lb/hr (as CH <sub>4</sub> )	BAAQMD condition #16676, Part 40.	P/A	Source test	X	
POC	BAAQMD condition #16676, Part 32c	Y		271.3 lb/day (as CH <sub>4</sub> ) for turbines, HRSGs, and auxiliary boiler combined.	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	
POC	BAAQMD condition #16676, Part 33c	Y		33.9 ton/yr for turbines, HRSGs, and auxiliary boiler combined (includes emissions from commissioning period).	BAAQMD condition #16676, Part 36.	P/D	Records, calculations	X	

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
NH <sub>3</sub>	BAAQMD condition #16676, Part 28h	N		10 ppmv, @ 3% O <sub>2</sub> , dry, averaged over 3 hrs	BAAQMD condition #16676, Part 28h.	C	Records of ammonia injection rate	X	
Heat input limits	BAAQMD condition #16676, Part 26	Y		320 MM BTU/hr, 3-hr average	BAAQMD condition #16676, Part 35a.	C	fuel meter, firing monitor, calculations	X	
	BAAQMD condition #16676, Part 27	Y		480,000 MM BTU/yr	BAAQMD condition #16676, Part 35a.	C	Fuel meters	X	
Heat input limits	BAAQMD condition #16676, Part 30			109,157 MM BTU/day for turbines, HRSGs, and auxiliary boiler combined	BAAQMD condition #16676, Part 35a.	C	Fuel meters	X	
	BAAQMD condition #16676, Part 31	Y		34,490,400 MM BTU/yr for turbines, HRSGs, and auxiliary boiler combined	BAAQMD condition #16676, Part 35a.	C	Fuel meters	X	

**Table VII – C**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-6, FIRE PUMP DIESEL ENGINE**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD Regulation 6-303.1	N		Ringelmann 2.0 for 3 minutes in any hour.		N		N/A	
Opacity	SIP Regulation 6-303.1	Y		Ringelmann 2.0 for 3 minutes in any hour.		N		N/A	
FP	SIP Regulation 6-310	Y		0.15 gr/dscf		N		N/A	
FP	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf		N		N/A	

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
SO <sub>2</sub>	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤ 0.05 ppm for 24 hours	None	N	N/A	N/A	
SO <sub>2</sub>	BAAQMD 9-1-304	Y		Fuel Sulfur Limit 0.5%	BAAQMD Condition # 19498, Parts 5 and 8.	P/E	Vendor Certification	X	
Reliability Related Hours	BAAQMD 9-8-330	N	1/1/12	100 hours until 1/1/12 50 hours after 1/1/12	9-8-502	P/E	Totalizing meter record keeping	X	
Reliability Related Hours	BAAQMD Condition #22851, Part 1	N		34 hours per calendar year	BAAQMD Condition #22851, Part 3, 4.	P/E	Totalizing meter record keeping	X	

**Table VII – D**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-7, NATURAL GAS FIRED EMERGENCY GENERATOR**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-303.1	N		< Ringelmann 2.0, except for no more than 3 minutes in any hour.		N		N/A	
Opacity	SIP 6-303.1	Y		< Ringelmann 2.0, except for no more than 3 minutes in any hour.		N		N/A	
FP	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf		N		N/A	
FP	SIP Regulation 6-310	Y		0.15 gr/dscf		N		N/A	
SO <sub>2</sub>	BAAQMD Regulation 9-1-301	Y		Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤ 0.05 ppm for 24 hours.		N		N/A	

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Reliability Related Hours	BAAQMD 9-8-330	N	1/1/12	100 hours until 1/1/12 50 hours after 1/1/12	9-8-502	P/E	Totalizing meter record keeping	X	
Reliability Related Hours	BAAQMD Condition #21597, Part 1	N		100 hours per calendar year.	BAAQMD Condition #21597, Part 2 and 3	P/E	Record keeping	X	

**Table VII – E**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-8, COOLING TOWER**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-301	N		> Ringelmann 1.0 for no more than 3 minutes in any hour.		N		N/A	
Opacity	SIP 6-301	Y		> Ringelmann 1.0 for no more than 3 minutes in any hour.		N		N/A	
FP	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf		N		N/A	
FP	SIP Regulation 6-310	Y		0.15 gr/dscf		N		N/A	