LOS ESTEROS CRITICAL ENERGY FACILITY, LLC

800 Thomas Foon Chew Way San Jose, CA 95134

June 22, 2023

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

Via Email: compliance@baaqmd.gov

TV Tracking #: 733

1. D RECEIVED IN 06/26/2023 ENFORCEMENT:

Re: Los Esteros Critical Energy Facility #B3289

Title V CEMS Semi-Annual Monitoring Report Reporting Period: December 1, 2022 – May 31, 2023

To Whom It May Concern:

Enclosed is the Title V CEMS Semi-Annual Monitoring Report for the Los Esteros Critical Energy Facility ("LECEF") for the reporting period from December 1, 2022 – May 31, 2023.

LECEF is currently in compliance with the District CEMS regulations and maintained compliance with the monitoring requirements listed in the Title V permit, during the reporting period for CT-1, CT-2, CT-3, and CT-4. The facility did receive a Notice to Comply. Please refer to Appendix A for details.

By signing this report, I am certifying that based on information and belief formed after reasonable inquiry, the statements and information in the attached report are true, accurate, and complete.

If you have any questions or require additional information, do not hesitate to contact Rosemary Silva, EHS Specialist III, at (408) 361-4954.

Sincerely, .

Kevin Karwick General Manager and

Responsible Official/Designated Representative

Los Esteros Critical Energy Facility, LLC

Enclosures

cc: John Heiser Region 9

EPA

CEC AQ-34

Table VII - A Applicable Limits and Compliance Monitoring Requirements S-1, S-2, S-3, & S-4 COMBUSTION GAS TURBINES WITH WATER INJECTION, S-7, S-8, S-9 & S-10 HEAT RECOVERY STEAM GENERATORS

			Future		Monitoring	Monitoring		Compl	iance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Voc	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	Yes	NO
NOx	BAAQMD	N		9 ppmv @ 15% O2, dry	BAAQMD	С	CEM		
	9-9-301.2			Or	9-9-501 and				
				0.43 lbs./MW-hr.	BAAQMD			x	
					condition			^	
					#23868, part				
					25c				
NOx	BAAQMD	Υ		9 ppmv @ 15% O2, dry	BAAQMD	С	CEM		
	9-9-301.3				9-9-501 and				
					BAAQMD			x	
					condition			^	
					#23868, part				
					25c				
NOx	NSPS	Υ		25 ppmv @ 15% O2, dry	NSPS 40 CFR	С	CEM		
	Subpart			30 day rolling average	60.4335(b)(1)				
	KKKK							х	
	40 CFR							^	
	60.4320(a)								
	and (h)								
NOx	None	Υ		None	40 CFR 75.10	С	CEM	X	
NOx	BAAQMD	Υ		2 ppmv @ 15% O2, dry,	BAAQMD	С	CEM		
	condition			1-hr average except during	condition			v	
	#23688,			turbine startup or	#23688, parts			X	
	part 19a			shutdown	19a and 25c				
NOx	BAAQMD	Υ		2 ppmv @ 15% O2, dry,	BAAQMD	P/every 8000	Source test		
	condition			1-hr average except during	condition	hrs. of			
	#23688,			turbine startup or	#23688,	operation or		v	
	part 19a			shutdown	part 26b.a	every 3 years,		X	
						whichever is			
						sooner			
NOx	BAAQMD	Υ		4.68 lb. NOx/hr. for each	BAAQMD	С	CEM		
	condition			turbine, 1-hr average	condition			v	
	#23688,			except during turbine	#23688, parts			X	
	part 19a			startup or shutdown	19a and 25c				

			Future		Monitoring	Monitoring		Comp	liance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	163	110
NOx	BAAQMD	Υ		4.68 lb. NOx/hr. for each	BAAQMD	P/every 8000	Source test		
	condition			turbine, 1-hr average	condition	hrs. of			
	#23688,			except during turbine	#23688, parts	operation or		x	
	part 19a			startup or shutdown	19a and	every 3 years,		Λ	
					26b.a	whichever is			
						sooner			
NOx (as	BAAQMD	Υ		175.6 lb./day for each	BAAQMD	С	CEM		
NO ₂)	condition			turbine/HRSG power train	condition			x	
	#23688,			including startup and	#23688,			^	
	part 22			shutdown	part 25c				
NOx (as	BAAQMD	Υ		702.4 lb/day (as NO2) for	BAAQMD	С	CEM		
NO ₂)	condition			all turbines and HRSGS	condition			x	
	#23688			combined, including	#23688,			^	
	part 22			startup and shutdown	part 25c				
NOx (as	BAAQMD	Υ		94.1 tons per year (as NO2)	BAAQMD	С	CEM		
NO ₂)	condition			for all turbines and HRSGs	condition			v	
	#23688,			combined, including	#23688,			Х	
	part 22			startup or shutdown	part 25c				
NOx	BAAQMD	Υ		41 lb./turbine/startup	BAAQMD	С	CEM		
	condition			during startup not to	condition			v	
	#23688			exceed 120 minutes	#23688			X	
	part 20				part 25c				
СО	BAAQMD	Υ		2 ppmv @ 15% O2, dry,	BAAQMD	С	CEM		
	condition			1-hr average except during	condition				
	#23688,			turbine startup or	#23688,			X	
	part 19c			shutdown	parts 19c and				
					25c				
СО	BAAQMD	Υ		2 ppmv @ 15% O2, dry,	BAAQMD	P/every 8000	Source test		
	condition			1-hr average except during	condition	hrs. of			
	#23688,			turbine startup or	#23688,	operation or		X	
	part 19c			shutdown	part 26b.a	every 3 years,		^	
						whichever is			
						sooner			
СО	BAAQMD	Υ		2.85 lb. CO/hr. for each	BAAQMD	С	CEM		
	condition #23688,			turbine, 1-hr average except during turbine	condition #23688,			x	
	part 19c			startup or shutdown	parts 19c and			^	
					25c				

			Future		Monitoring	Monitoring		Comp	liance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре		
CO	BAAQMD condition	Υ		2.85 lb. CO/hr. for each	BAAQMD condition	P/every 8000	Source test		
	#23688,			turbine, 1-hr average except during turbine	#23688,	hrs. of			
	part 19c			startup or shutdown	parts 19c and	operation or		х	
					26b.a	every 3 years,		^	
						whichever is			
						sooner			
CO	BAAQMD	Υ		97 lb./day for each	BAAQMD	С	CEM		
	condition #23688,			turbine/HRSG power train	condition			х	
	part 22			including startup and	#23688,			^	
				shutdown	part 25c				
CO	BAAQMD	Υ		388 lb./day for all turbines	BAAQMD	С	CEM		
	condition			and HRSG combined,	condition			x	
	#23688,			including startup and	#23688,			^	
	part 22			shutdown	part 25c				
CO	BAAQMD	Υ		53.4 tons per year for all	BAAQMD	С	CEM		
	condition			turbines and HRSGs	condition			х	
	#23688,			combined, including	#23688,			^	
	part 22			startup and shutdown	part 25c				
CO	BAAQMD	Υ		20 lb./turbine/startup	BAAQMD	С	CEM		
	condition			during startup not to	condition			x	
	#23688,			exceed 120 minutes	#23688,			Α	
	part 20				part 25c				
CO_2		Υ		None	40 CFR 75.10	С	CEM (CO2)		
							or CEM (O2)	x	
							or fuel flow	Α	
							monitor		
SO_2	BAAQMD 9-	Υ		GLC ¹ of 0.5 ppm for 3 min		N			
	1-301			or 0.25 ppm for 60 min or				X	
				0.05 ppm for 24 hours					
SO_2	BAAQMD 9-	Υ		300 ppm (dry)	BAAQMD	P/every 8000	Source test		
	1-302				Condition	hrs. of	for flow and		
					23688, Part	operation or	sulfur data	х	
					26f	every 3 years,		Α	
						whichever is			
						sooner			

			Future		Monitoring	Monitoring		Comp	liance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре		
SO ₂	NSPS	Υ		0.060lb SO2/MMBtu	NSPS 40 CFR	N	None		
	Subpart				60.4365(a)				
	KKKK							X	
	40 CFR								
	60.4330								
	(a)(2)								
SO ₂	None	Υ		None	40 CFR 75.11,		Fuel		
					40 CFR 75,		measure-	X	
					Appendix D,		ments,		
					part 2.3		calculations		
SO ₂	BAAQMD	Υ		6.43 tons/calendar year for	BAAQMD	P/every 8000	Source Test		
	condition			all turbines and HRSGs	Condition	hrs. of	for flow and		
	#23688,			combined including startup	23688, Part	operation or	sulfur data	X	
	part 22			and shutdown of turbines	26f	every 3 years,		^	
						whichever is			
						sooner			
S in Fuel	BAAQMD condition	Υ		1.0 gr S/100 scf natural gas	BAAQMD condition	P/Q	Vendor data		
	#23688,				#23688, part			X	
	part 24b				24b				
S in Fuel	BAAQMD	Y		1.0 gr S/100 scf natural gas	BAAQMD	P/every 8000	Source		
3 1111 001	condition	i i			condition	hrs. of	test/Fuel		
	#23688, part 24b				#23688, part 26b.g	operation or	analysis		
	part 240				200.g	every 3 years,		X	
						whichever is			
						sooner			
Opacity	BAAQMD 6-	N		> Ringelmann No. 1 for no		N	None		
o pacity	1-301	.,		more than 3 minutes in any		',		X	
	1 001			hour					
Opacity	SIP 6-301	Y		> Ringelmann No. 1 for no		N	None		
Opacity	311 0 301	·		more than 3 minutes in any		,,		X	
				hour				- -	
Opacity	BAAQMD	Υ		> Ringelmann No. 1 for no		N	None		
0 2010)	condition	,		more than 3 minutes in any		',			
	#23688,			hour or equivalent 20%				X	
	part 18			opacity					
FP	BAAQMD 6-	Υ		0.15 grain/dscf		N	None		
	1-310	,		5.25 6. diii) 430i		',		X	

			Future		Monitoring	Monitoring		Compl	iance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	res	110
FP	SIP 6-310	Y		0.15 grain/dscf		N	None	Х	
FP	BAAQMD 6- 1-3103	Υ		0.15 grain/dscf @ 6% O2		N		х	
FP	SIP 6-310	Y		0.15 grain/dscf @ 6% O2		N		х	
PM ₁₀	BAAQMD	Υ		38.5 tons/year for all	BAAQMD	P/every 8000	Source test,		
	condition			turbines and HRSGS	condition	hrs. of	records &		
	#23688,			combined including startup	#23688	operation or	calculation	v	
	part 22			and shutdown of turbines	part 26e	every 3 years,		Х	
						whichever is			
						sooner			
POC	BAAQMD	Υ		1 ppmv @ 15% O2, dry,	BAAQMD	P/every 8000	Source Test		
	condition			1-hr average except during	condition	hrs. of			
	#23688,			turbine startup or	#23688,	operation or			
	part 19d			shutdown	part 26d	every 3 years,		Х	
	·					whichever is			
						sooner			
POC	BAAQMD	Υ		20.2 lb./day for each	BAAQMD	P/every 8000	P/every		
	condition			turbine/HRSG power train	condition	hrs. of	8000 hrs. of		
	#23688,			including startup and	#23688,	operation or	operation or		
	part 22			shutdown	part 26d	every 3 years,	every 3	Х	
	•					whichever is	years,		
						sooner	whichever is		
							sooner		
POC	BAAQMD	Υ		80.8 lb/day for all turbines	BAAQMD	P/every 8000	P/every		
	condition			and HRSG combined,	condition	hrs. of	8000 hrs. of		
	#23688,			including startup and	#23688,	operation or	operation or		
	part 22			shutdown	part 26d	every 3 years,	every 3	Х	
	•					whichever is	years,		
						sooner	whichever is		
							sooner		
POC	BAAQMD	Υ		12.3 tons/year for all	BAAQMD	P/A	P/every		
-	condition			turbines and HRSGs	condition	,	8000 hrs. of		
	#23688			combined including startup	#23688,		operation or		
	part 22			and shutdown.	part 26d		every 3	х	
							years,		
							whichever is		
							sooner		

			Future		Monitoring	Monitoring		Comp	liance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	V	N
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	Yes	No
NH ₃	BAAQMD	N		5 ppmv @ 15% O2, dry,	BAAQMD	С	NH ₃ flow		
	condition			averaged over 3-hrs except	condition		meter,		
	#23688,			during turbine startup or	#23688,		calculations	X	
	part 19b			shutdown	parts 19b and				
					26b				
NH ₃	BAAQMD	N		5 ppmv @ 15% O2, dry,	BAAQMD	P/every 8000	Source Test		
	condition			averaged over 3-hrs except	condition	hrs. of			
	#23688,			during turbine startup or	#23688,	operation or		v	
	part 19b			shutdown	part 26b	every 3 years,		X	
						whichever is			
						sooner			
NH ₃	BAAQMD	Υ		104 lb./day for each	BAAQMD	С	Ammonia		
	condition			turbine/HRSG power train	condition		flow meter,	v	
	#23688,			including startup and	#23688,		calculations	X	
	part 22			shutdown	part 25b				
NH ₃	BAAQMD	Υ		416 lb/day for all turbines	BAAQMD	С	Ammonia		
	condition			and HRSGs combined,	condition		flow meter,	.,	
	#23688,			including startup and	#23688,		calculations	X	
	part 22			shutdown	part 25b				
NH ₃	BAAQMD	Υ		56.9 tons/year for all	BAAQMD	С	Ammonia		
	condition			turbines and HRSGs	condition		flow meter,	.,	
	#23688			combined including startup	#23688,		calculations	X	
	part 22			and shutdown.	part 26b				
Formalde	BAAQMD	N		6490 lbs./year for all			N		
hyde	condition			turbines and HRSGs					
	#23688			combined				X	
	part 43								
Acetaldeh	BAAQMD	N		3000 lbs./year for all			N		
yde	condition			turbines and HRSGs					
	#23688			combined				X	
	part 43								
Specific	BAAQMD	N		3.2 lbs./year for all turbines	BAAQMD	P (Startup	Source Test		
PAHs	condition			and HRSGs combined	condition	and biennial		••	
	#23688				#23688,	thereafter)		X	
	part 43				Parts 44 & 45	,			
Acrolein	BAAQMD	N		65.3 lbs./year for all	BAAQMD	P (Startup	Source Test		
	condition			turbines and HRSGs	condition	and biennial			
	#23688			combined	#23688,	thereafter)		X	
	part 43			-	Parts 44 & 45	,			

			Future		Monitoring	Monitoring		Compl	iance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Vaa	NI-
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	Yes	No
Sulfuric	BAAQMD	Υ		7 tons/year for all turbines	BAAQMD	P/every 8000	Source Test		
Acid Mist	condition			and HRSGs combined	condition	hrs. of			
	#23688				#23688,	operation or		X	
	part 43				Parts 27	every 3 years,		^	
						whichever is			
						sooner			
Heat	BAAQMD	Υ		500 MM BTU/ hr. (HHV),	BAAQMD	С	Fuel meter,		
input limit	condition			for each turbine	condition		firing	.,	
	#23688,				#23688,		monitor,	X	
	part 24				part 25d		calculations		
Heat	BAAQMD	Υ		500 MM BTU/ hr. (HHV),	BAAQMD	P/Q	Fuel		
input limit	condition			for each turbine	condition		composition		
	#23688,				#23688,		analysis	X	
	part 24				part 25d				
Heat	BAAQMD	Υ		500 MM BTU/ hr. (HHV),	BAAQMD	P/every 8000	Source test		
input limit	condition			for each turbine	condition	hrs. of			
	#23688,				#23688,	operation or			
	part 24				part 25d	every 3 years,		X	
						whichever is			
						sooner			
Heat	BAAQMD	Υ		639 MM BTU/day (HHV) for	BAAQMD	С	fuel meter,		
input limit	condition			each turbine w/ Duct	condition		firing	.,	
	#23688,			Burner	#23688,		monitor,	X	
	part 24				part 25d		calculations		
Heat	BAAQMD	Υ		639 MM BTU/day (HHV) for	BAAQMD	P/Q	Fuel		
input limit	condition			each turbine w/ Duct	condition		composition	.,	
	#23688,			Burner	#23688,		Analysis	X	
	part 24				part 25d				
Heat	BAAQMD	Υ		639 MM BTU/day (HHV) for	BAAQMD	P/every 8000	Source Test		
input limit	condition			each turbine w/ Duct	condition	hrs. of			
	#23688,			Burner	#23688,	operation or			
	part 24				part 25d	every 3 years,		X	
						whichever is			
						sooner			
Heat	BAAQMD	Υ		12,000 MM BTU/day (HHV)	BAAQMD	С	fuel meter,		
input limit	condition			for each turbine	condition		firing		
	#23688,				#23688,		monitor,	X	
	part 24				part 25d		calculations		

Type Citation of FE Effective Date Limit Citation of Citation of Type Typ				Future		Monitoring	Monitoring		Compl	iance
Heat						-			Yes	No
Input limit Condition #23688, part 24 BAQMD Y 15,366 MM BTU/day (HHV) BAAQMD Condition #23688, part 25d P/Q Condition P/Q Fuel Condition #23688, part 25d P/Q P/Q Fuel Composition P/Q P/Q Fuel Composition P/Q				Date						
#23688, part 24 Heat input limit condition #23688, part 25d Heat input limit condition #23688, part 24 Heat input limit condition #23688, part 24 Heat input limit condition #23688, part 24 Heat BAAQMD Y 15,366 MM BTU/day (HHV) for each turbine w/ Duct Burner #23688, part 25d condition #23688, part 25d condition #23688, part 25d condition #23688, part 25d condition #23688, part 25d part 25d part 25d part 25d condition #23688, part 25d p			Y				P/Q			
Heat input limit condition #33688, part 24 Heat Input limit condition #33688, part 24 Heat input limit #32688, part 24 Heat input limit					for each turbine				Х	
Heat input limit ondition #23688, part 24 Heat input limit condition #23688, part 25 input limit limit condition #23688, part 25 input limit lim						,		Analysis		
input limit condition #23688, part 24	Hoat					·				
Heat input limit condition #23688, part 24 Heat BAQMD Y Input limit condition #23688, part 24 Heat BAQMD Y Input limit condition #23688, part 24 Heat BAQMD Y Input limit condition #23688, part 24 Heat BAQMD Y Input limit condition #23688, part 24 Heat BAQMD Y Input limit condition #23688, part 24 Heat BAQMD Y Input limit condition #23688, part 24 Heat BAQMD Y Input limit condition #23688, part 24 Heat BAQMD Y Input limit condition #23688, part 24 Heat BAQMD Y Input limit condition #23688, part 24 MW N/A None BAQMD P/every 8000 condition #23688, part 26 Gas N/A None BAQMD P/every 8000 Source test whichever is sooner whichever is sooner sooner sooner by array whichever is sooner sooner sooner sooner sooner sooner by array array, whichever is sooner soon			Υ				С	· ·		
Heat input limit condition #23688, part 24 Heat BAAQMD Y Condition #23688, part 24 Heat input limit condition #23688, part 24 Heat BAAQMD Y Condition #23688, part 24 MWW N/A None BAAQMD P/CV Condition #23688, part 24 MYW N/A None BAAQMD P/CV Condition #23688, part 25 MYW N/A None BAAQMD P/CV Condition #23688, part 26 Source test condition #23688, part 26 MYW N/A None BAAQMD P/CV Source test condition #23688, part 26 Source test condition #23688, part 26 MYW N/A None BAAQMD P/CV Source test condition #23688, part 26 Source test condition #23688, part 26 MYW N/A None BAAQMD P/CV Source test condition hrs. of operation or every 3 years, whichever is sooner Stack gas N/A None BAAQMD P/CV Source test condition hrs. of operation or every 3 years, whichever is sooner Stack gas N/A None BAAQMD P/CV Source test condition hrs. of operation or every 3 years, whichever is sooner Stack gas N/A None BAAQMD P/CV Source test condition hrs. of operation or every 3 years, whichever is sooner Stack gas N/A WA None BAAQMD P/CV Source test condition hrs. of operation or every 3 years, whichever is sooner									X	
Heat input limit vondition #23688, part 24 Heat BAAQMD Y (HHV) for each turbine w/ Duct Burner #23688, part 25d Heat input limit vondition #23688, part 25d Heat BAAQMD Y (HHV) for all turbines w/ Duct Burner #23688, part 25d Heat input limit vondition #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #23688, part 25d MW N/A None Water Prevention or every 3 years, whichever is sooner werey 3 years, whichever is sooner every 3 years, whichever is whichever is sooner every 3 years, whichev		#23688,			Burner	#23688,		monitor,		
input limit condition #23688, part 24 Heat BAAQMD Y Input limit condition #23688, part 24 Heat BAAQMD Y Is,215,000 MM BTU/yr. (HHV) for all turbines w/ Duct Burner #23688, part 24 Heat BAAQMD Y Is,215,000 MM BTU/yr. (HHV) for all turbines w/ Duct Burner #23688, part 24 Heat BAAQMD Y Is,215,000 MM BTU/yr. BAAQMD Condition #23688, part 24 Heat BAAQMD Y Is,215,000 MM BTU/yr. BAAQMD Condition #23688, part 24 MW N/A None BAAQMD P/Q Fuel composition analysis #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #23688, part 25d Source test temperature #23688, part 25d MNA None BAAQMD P/every 8000 condition hrs. of operation or every 3 years, whichever is sooner Stack gas N/A None BAAQMD P/every 8000 condition hrs. of operation or every 3 years, whichever is sooner Stack gas N/A None BAAQMD P/every 8000 condition hrs. of operation or every 3 years, whichever is sooner Stack gas N/A None BAAQMD P/every 8000 condition hrs. of operation or every 3 years, whichever is sooner X Y		part 24				part 25d		calculations		
Condition #23688, part 24 Heat BAAQMD Y I18,215,000 MM BTU/yr. (HHV) for all turbines w/ Duct Burner #23688, part 25d Heat BAAQMD Y I18,215,000 MM BTU/yr. (HHV) for all turbines w/ Duct Burner #23688, part 25d Heat BAAQMD Y I18,215,000 MM BTU/yr. (HHV) for all turbines w/ Duct Burner #23688, part 25d Heat BAAQMD Y I18,215,000 MM BTU/yr. (HHV) for all turbines w/ Duct Burner #23688, part 25d MW N/A None BAAQMD P/Q Fuery 8000 Source test hoperation or part 25h every 3 years, whichever is sooner #23688, part 25h MW N/A None BAAQMD P/Pevery 8000 Source test hoperature #23688, part 26j Gas N/A None BAAQMD P/Pevery 8000 Source test his. of operation or part 26j every 3 years, whichever is sooner P/Pevery 3 years, whichever is sooner P/Pevery 8000 Source test his. of operation or part 26j every 3 years, whichever is sooner P/Pevery 8000 Source test his. of operation or part 26j every 3 years, whichever is sooner P/Pevery 8000 Source test his. of operation or part 26j every 3 years, whichever is sooner P/Pevery 8000 Source test his. of operation or every 3 years, whichever is sooner P/Pevery 8000 Source test his. of operation or every 3 years, whichever is ever		BAAQMD	Υ		15,366 MM BTU/day (HHV)	BAAQMD	P/Q	Fuel		
#23688, part 24 Heat BAAQMD Y I18,215,000 MM BTU/yr. (HHV) for all turbines w/ Duct Burner #23688, part 25d Heat BAAQMD Y I18,215,000 MM BTU/yr. (HHV) for all turbines w/ Duct Burner #23688, part 24 Heat BAAQMD Y I18,215,000 MM BTU/yr. BAAQMD Condition #23688, part 24 MW N/A None BAAQMD Condition #23688, part 25d MW N/A None BAAQMD P/every 8000 condition #323688, part 25d MW N/A None BAAQMD P/every 8000 condition #323688, part 25d MW N/A None BAAQMD P/every 8000 condition hrs. of operation or part 26h #33688, part 26j Whichever is sooner Stack gas N/A None BAAQMD P/every 8000 condition hrs. of operation or part 26j Whichever is sooner X X	input iiinit	condition			for each turbine w/ Duct	condition		composition	х	
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input limit #23688, part 24 Heat input limit part 24 Heat input limit rimit in #23688, part 24 Heat input limit rimit in #23688, part 24 MWW N/A None BAAQMD P/every 8000 condition part 256 MWW N/A None BAAQMD P/every 8000 condition part 26h		part 24				part 25d				
#23688, part 24 Heat BAAQMD Y I18,215,000 MM BTU/yr. (HHV) for all turbines w/ Duct Burner #23688, part 25d MW N/A N/A None BAAQMD P/every 8000 condition #23688, part 26h Gas N/A temperature Aure Aure Aure Aure Aure Aure Aure A	Heat	BAAQMD	Υ		18,215,000 MM BTU/yr.	BAAQMD	С	fuel meter,		
#23688, part 24 Heat BAAQMD Y 18,215,000 MM BTU/yr. BAAQMD condition #23688, part 25d MW N/A NONE BAAQMD condition #23688, part 25d MW N/A NONE BAAQMD condition #23688, part 26d MNONE BAAQMD condition #23688, part 26d MNONE BAAQMD condition #23688, part 26h MNONE BAAQMD condition #23688, part 26h MNONE BAAQMD condition #23688, part 26h MNONE BAAQMD condition hrs. of operation or every 3 years, whichever is sooner MNONE BAAQMD condition hrs. of operation or every 3 years, whichever is sooner MNONE BAAQMD provery 8000 Source test hrs. of operation or every 3 years, whichever is sooner MNONE BAAQMD provery 8000 Source test hrs. of operation or every 3 years, whichever is sooner MNONE BAAQMD provery 8000 Source test hrs. of operation or every 3 years, whichever is sooner MNONE BAAQMD provery 8000 Source test hrs. of operation or every 3 years, whichever is sooner MNONE BAAQMD provery 8000 Source test hrs. of operation or every 3 years, whichever is sooner MNONE BAAQMD provery 8000 Source test hrs. of operation or every 3 years, whichever is every 3 years, whichever is every 3 years, whichever is	input limit	condition			(HHV) for all turbines w/	condition		firing	v	
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input limit condition #23688, part 24 MW N/A None BAAQMD condition #23688, part 25d MW N/A None BAAQMD condition #23688, part 26h Gas temperature Ature None BAAQMD condition #23688, part 26i Stack gas flow N/A None BAAQMD condition #23688, part 26i N/A None BAAQMD condition hrs. of operation or every 3 years, whichever is sooner every 3 years, whichever is every 3 years, whichever is whichever is every 3 years, whichever is		part 24				part 25d		calculations		
#23688, part 24 MW N/A None BAAQMD P/every 8000 Source test condition hrs. of operation or every 3 years, whichever is sooner Gas temperature Ature Stack gas flow P/A None BAAQMD P/every 8000 Source test condition hrs. of operation or every 3 years, whichever is sooner Stack gas flow N/A None BAAQMD P/every 8000 Source test condition hrs. of every 3 years, whichever is sooner Stack gas flow N/A None BAAQMD P/every 8000 Source test condition hrs. of every 3 years, whichever is sooner X X X X X X X X X X X X X X X X X X X	Heat	BAAQMD	Υ		18,215,000 MM BTU/yr.	BAAQMD	P/Q	Fuel		
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MW N/A None BAAQMD P/every 8000 Source test part 26h P/every 8000 poration or every 3 years, whichever is sooner My N/A None BAAQMD P/every 8000 Source test part 26h P/every 8000 poration or every 3 years, whichever is sooner My N/A None BAAQMD P/every 8000 Source test part 26j p		#23688,			Duct Burner	#23688,		analysis	Х	
Condition hrs. of operation or every 3 years, whichever is sooner Gas N/A None BAAQMD condition hrs. of operation or every 3 years, whichever is a sooner X X Source test hrs. of operation or every 3 years, whichever is sooner Stack gas flow N/A None BAAQMD P/every 8000 Source test operation or every 3 years, whichever is sooner X X X Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y		part 24				part 25d				
#23688, operation or every 3 years, whichever is sooner Mone BAAQMD P/every 8000 Source test condition hrs. of operation or every 3 years, whichever is sooner X X X X X X X X X X X X X	MW	N/A			None	BAAQMD	P/every 8000	Source test		
Gas N/A None BAAQMD P/every 8000 Source test temperature #23688, part 26j every 3 years, whichever is sooner Stack gas N/A None BAAQMD P/every 8000 condition hrs. of every 3 years, whichever is sooner Stack gas N/A None BAAQMD P/every 8000 Source test condition hrs. of every 3 years, whichever is sooner #23688, operation or #23688, operation or #23688, operation or #23688, operation or every 3 years, whichever is						condition	hrs. of			
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temper- ature Condition hrs. of part 26j every 3 years, whichever is sooner							sooner			
ature #23688, operation or every 3 years, whichever is sooner Stack gas flow flow part 26i p	Gas	N/A			None	BAAQMD	P/every 8000	Source test		
Stack gas N/A None BAAQMD P/every 8000 Source test condition hrs. of #23688, operation or part 26i every 3 years, whichever is	temper-					condition	hrs. of			
Stack gas N/A None BAAQMD P/every 8000 Source test condition hrs. of #23688, operation or part 26i every 3 years, whichever is whichever is	ature					#23688,	operation or		v	
Stack gas N/A None BAAQMD P/every 8000 Source test condition hrs. of #23688, operation or part 26i every 3 years, whichever is						part 26j	every 3 years,		Х	
Stack gas N/A None BAAQMD P/every 8000 Source test condition hrs. of part 26i every 3 years, whichever is							whichever is			
Stack gas N/A None BAAQMD P/every 8000 Source test condition hrs. of part 26i every 3 years, whichever is							sooner			
flow condition hrs. of #23688, operation or part 26i every 3 years, whichever is	Stack gas	N/A			None	BAAQMD		Source test		
#23688, operation or every 3 years, whichever is	_					condition				
part 26i every 3 years, whichever is										
whichever is									Х	
ı ı ı ı ı ı ı lı lı lı sooner lı							sooner			

			Future		Monitoring	Monitoring		Compl	iance
Type of Limit	Citation of Limit	FE Y/N	Effective Date	Limit	Requirement Citation	Frequency (P/C/N)	Monitoring Type	Yes	No
NH ₃	N/A			None	BAAQMD	P/every 8000	Source test		
injection					condition	hrs. of			
rate					#23688,	operation or		Х	
					part 26k	every 3 years,		^	
						whichever is			
						sooner			
Water	N/A			None	BAAQMD	P/every 8000	Source test		
Injection					condition	hrs. of			
Rate					#23688,	operation or		Х	
					part 26l	every 3 years,			
						whichever is			
						sooner			
Shutdown	BAAQMD	Υ		Shutdown of turbine not to		P/E	CEM		
	condition			exceed 30 minutes per				X	
	#23688,			event					
	part 24								

Table VII – B Applicable Limits and Compliance Monitoring Requirements S-5 FIRE PUMP DIESEL ENGINE

	a:: .: f		Future		Monitoring	Monitoring		Compl	iance
Type of Limit	Citation of Limit	FE Y/N	Effective Date	Limit	Requirement Citation	Frequency (P/C/N)	Monitoring Type	Yes	No
Opacity	BAAQMD 6-1-303.1	Y	Juic	>Ringelmann No.2 for no more than 3 minutes in any hour	Citation	N	1,700	х	
Opacity	SIP Regulation 6-303.1	Υ		>Ringelmann No.2 for no more than 3 minutes in any hour		N		х	
FP	BAAQMD 6-1-310	Υ		0.15 gr/dscf Particulate Weight Limitation		N		x	
FP	SIP Regulation 6-310	Υ		0.15 gr/dscf		N		x	
SO ₂	BAAQMD 9-1-301	N		GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		х	
SO ₂	BAAQMD 9-1-304	Υ		0.5% sulfur in fuel by weight	BAAQMD Condition #23688, part 39	P/E	Fuel certification	х	
Hours of operation	BAAQMD Regulation 9-8-330.1	N		Emergency use for an unlimited number of hours	BAAQMD Regulation 9-8-530	Р	Records	X	
Hours of operation	40 CFR Part 63, Subpart ZZZZ, 63.6640(f) (1)(ii)	Υ		Maintenance checks and readiness testing less than 100 hr./yr.	40 CFR Part 63, Subpart ZZZZ, 63.6655€	Р	Records	х	
Hours of operation	BAAQMD Condition #23688, part 39	Z		Reliability related activities less 50 hr./yr.	BAAQMD Condition #23688, parts 41 & 42	C P/E	Records	Х	

Table VII – C Applicable Limits and Compliance Monitoring Requirements S-11 SIX CELL COOLING TOWER

			Future		Monitoring	Monitoring		Comp	liance
Type of Limit	Citation of Limit	FE Y/N	Effective Date	Limit	Requirement Citation	Frequency (P/C/N)	Monitoring Type	Yes	No
Opacity	BAAQMD 6-1-301	Y		>Ringelmann No.1 for no more than 3 minutes in any hour		N		х	
Opacity	SIP 6-301	Υ		>Ringelmann No.1 for no more than 3 minutes in any hour		N		х	
FP	BAAQMD 6-1-310	Y		0.15 gr/dscf		N		х	
FP	SIP 6-310	Y		0.15 gr/dscf		N		х	
FP	BAAQMD 6-1-311	N		40 lb./hr.		N		х	
FP	SIP 6-311	Y		40 lb./hr.		N		х	
Drift Rate	BAAQMD Condition #23688, part 46	N		0.0005% (Applies to S11 only)	BAAQMD Condition #23688, part 47	P Initial (5 th and 15 th Year if required by CPM)	Source Test	х	
TDS	BAAQMD condition #23688, part 46	N		<6,000 ppmw (Applies to S11 only)	BAAQMD condition #23688, part 46	P/D	TDS Test	х	
Flow	BAAQMD condition #23688, part 47	Y		90,000 gpm (Applies to S11 only)		N		х	

Appendix A

LOS ESTEROS CRITICAL ENERGY FACILITY, LLC

800 Thomas Foon Chew Way February 28, 2023 San Jose, CA 95134

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

Via Email: compliance@baaqmd.gov

Re: Los Esteros Critical Energy Facility #B3289 Title V Semi-Annual Monitoring Report Reporting Period: June 1, 2022 – November 30, 2022

To Whom It May Concern:

In response to the Notice to Comply # A48451 issued by BAAQMD to the Los Esteros Critical Energy Facility ("LECEF") on February 15, 2023, LECEF is resubmitting the original Title V Semi-Annual Monitoring Report, for reporting period June 1, 2022 – November 30, 2022. Also included, as requested in the NTC, are the NOx and CO 1-minute emissions data for the reporting period, as well as the calculated 1-clock hour averages.

The permit conditions reference limits as 1-hour rolling averages, although that term is not defined in the permit. The permit does define a clock hour as any continuous 60-minute period beginning on the hour. Furthermore, BAAQMD Manual of Procedures 8.3.2 states that excess emissions occur when the average concentration over any clock hour exceeds the emission standard. Accordingly, LECEF uses 1-clock hour averages to determine compliance with the NOx and CO 1-hour rolling average limits. Based on that methodology, this letter serves to certify compliance with all NOx and CO 1-hour rolling average limits in the Title V permit during the reporting period. Further we note that Table VII-A in the permit references 1-hour averages, not 1-hour rolling averages.

LECEF is currently in compliance with District regulations and maintained compliance with the monitoring requirements listed in the Title V permit, during the reporting period for CT-1, CT-2, CT-3, and CT-4.

By signing this report, I am certifying that based on information and belief formed after reasonable inquiry, the statements and information in the attached report are true, accurate, and complete.

If you have any questions or require additional information, do not hesitate to contact Rosemary Silva, EHS Specialist III, at (408) 361-4954.

Sincerely,

Kevin Karwick General Manager and

Responsible Official/Designated Representative

Los Esteros Critical Energy Facility, LLC

Enclosures

John Heiser cc: CEC AQ-34 **EPA**

Region 9

Table VII - A Applicable Limits and Compliance Monitoring Requirements S-1, S-2, S-3, & S-4 COMBUSTION GAS TURBINES WITH WATER INJECTION, S-7, S-8, S-9 & S-10 HEAT RECOVERY STEAM GENERATORS

			Future		Monitoring	Monitoring		Compl	iance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	163	140
NOx	BAAQMD	N		9 ppmv @ 15% O2, dry	BAAQMD	С	CEM		
	9-9-301.2			Or	9-9-501 and				
				0.43 lbs./MW-hr.	BAAQMD			x	
					condition			^	
					#23868, part				
					25c				
NOx	BAAQMD	Υ		9 ppmv @ 15% O2, dry	BAAQMD	С	CEM		
	9-9-301.3				9-9-501 and				
					BAAQMD			x	
					condition			^	
					#23868, part				
					25c				
NOx	NSPS	Υ		25 ppmv @ 15% O2, dry	NSPS 40 CFR	С	CEM		
	Subpart			30 day rolling average	60.4335(b)(1)				
	KKKK							v	
	40 CFR							Х	
	60.4320(a)								
	and (h)								
NOx	None	Υ		None	40 CFR 75.10	С	CEM	х	
NOx	BAAQMD	Υ		2 ppmv @ 15% O2, dry,	BAAQMD	С	CEM		
	condition			1-hr average except during	condition			.,	
	#23688,			turbine startup or	#23688, parts			Х	
	part 19a			shutdown	19a and 25c				
NOx	BAAQMD	Υ		2 ppmv @ 15% O2, dry,	BAAQMD	P/every 8000	Source test		
	condition			1-hr average except during	condition	hrs. of			
	#23688,			turbine startup or	#23688,	operation or		,	
	part 19a			shutdown	part 26b.a	every 3 years,		Х	
						whichever is			
						sooner			
NOx (as	BAAQMD	Υ		175.6 lb./day for each	BAAQMD	С	CEM		
NO ₂)	condition			turbine/HRSG power train	condition			v	
	#23688,			including startup and	#23688,			Х	
	part 22			shutdown	part 25c				

			Future		Monitoring	Monitoring		Compl	liance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Vaa	N-
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	Yes	No
NOx (as	BAAQMD	Υ		702.4 lb/day (as NO2) for	BAAQMD	С	CEM		
NO ₂)	condition			all turbines and HRSGS	condition			х	
	#23688			combined, including	#23688,			^	
	part 22			startup and shutdown	part 25c				
NOx (as	BAAQMD	Υ		94.1 tons per year (as NO2)	BAAQMD	С	CEM		
NO ₂)	condition			for all turbines and HRSGs	condition			V	
	#23688,			combined, including	#23688,			Х	
	part 22			startup or shutdown	part 25c				
NOx	BAAQMD	Υ		41 lb./turbine/startup	BAAQMD	С	CEM		
	condition			during startup not to	condition			v	
	#23688			exceed 120 minutes	#23688			Х	
	part 20				part 25c				
СО	BAAQMD	Υ		2 ppmv @ 15% O2, dry,	BAAQMD	С	CEM		
	condition			1-hr average except during	condition				
	#23688,			turbine startup or	#23688,			Х	
	part 19c			shutdown	parts 19c and				
					25c				
СО	BAAQMD	Υ		2 ppmv @ 15% O2, dry,	BAAQMD	P/every 8000	Source test		
	condition			1-hr average except during	condition	hrs. of			
	#23688,			turbine startup or	#23688,	operation or		х	
	part 19c			shutdown	part 26c	every 3 years,		^	
						whichever is			
						sooner			
СО	BAAQMD	Υ		2.85 lb. CO/hr. for each	BAAQMD	С	CEM		
	condition #23688,			turbine, 1-hr average except during turbine	condition #23688,			х	
	part 19c			startup or shutdown	parts 19c and			Α	
					25c				
СО	BAAQMD condition	Υ		2.85 lb. CO/hr. for each	BAAQMD	P/A	Source Test		
	#23688,			turbine, 1-hr average except during turbine	condition #23688,			Х	
	part 19c			startup or shutdown	parts 19c and				
	DAAONAD				25c				
СО	BAAQMD condition	Υ		97 lb./day for each	BAAQMD	С	CEM		
	#23688,			turbine/HRSG power train	condition			X	
	part 22			including startup and	#23688,				
				shutdown	part 25c		_		
СО	BAAQMD	Υ		388 lb./day for all turbines	BAAQMD	С	CEM		
	condition			and HRSG combined,	condition			X	
	#23688,			including startup and	#23688,				
	part 22			shutdown	part 25c				

			Future		Monitoring	Monitoring		Compl	iance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring _	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре		
СО	BAAQMD	Υ		53.4 tons per year for all	BAAQMD	С	CEM		
	condition			turbines and HRSGs	condition			Х	
	#23688,			combined, including	#23688,				
	part 22			startup and shutdown	part 25c				
СО	BAAQMD	Υ		20 lb./turbine/startup	BAAQMD	С	CEM		
	condition			during startup not to	condition			Х	
	#23688,			exceed 120 minutes	#23688,				
	part 20				part 25c				
CO ₂		Υ		None	40 CFR 75.10	С	CEM (CO2)		
							or CEM (O2)	Х	
							or fuel flow	^	
							monitor		
SO ₂	BAAQMD 9-	Υ		GLC ¹ of 0.5 ppm for 3 min		N			
	1-301			or 0.25 ppm for 60 min or				Х	
				0.05 ppm for 24 hours					
SO ₂	BAAQMD 9-	Υ		300 ppm (dry)	BAAQMD	P/every 8000	Source test		
	1-302				Condition	hrs. of	for flow and		
					23688, Part	operation or	sulfur data	х	
					26f	every 3 years,		^	
						whichever is			
						sooner			
SO ₂	NSPS	Υ		0.060lb SO2/MMBtu	NSPS 40 CFR	N	None		
	Subpart				60.4365(a)				
	KKKK							х	
	40 CFR							^	
	60.4330								
	(a)(2)								
SO ₂	None	Υ		None	40 CFR 75.11,		Fuel		
					40 CFR 75,		measure-	v	
					Appendix D,		ments,	Х	
					part 2.3		calculations		
SO ₂	BAAQMD	Υ		6.43 tons/calendar year for	BAAQMD	P/every 8000	Source Test		
	condition			all turbines and HRSGs	Condition	hrs. of	for flow and		
	#23688,			combined including startup	23688, Part	operation or	sulfur data	,	
	part 22			and shutdown of turbines	26f	every 3 years,		Х	
						whichever is			
						sooner			

			Future		Monitoring	Monitoring		Compl	iance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation BAAQMD	(P/C/N)	Type		
S in Fuel	BAAQMD condition	Υ		1.0 gr S/100 scf natural gas	condition	P/Q	Vendor data		
	#23688,				#23688, part			Х	
	part 24b				24b				
S in Fuel	BAAQMD condition #23688, part 24b	Y		1.0 gr S/100 scf natural gas	BAAQMD condition #23688, part 26b.g	P/every 8000 hrs. of operation or every 3 years, whichever is	Source test/Fuel analysis	x	
Onacity	DAAONAD 6	NI NI		> Dingalmann No. 1 for no.		sooner	None		
Opacity	1-301	N		> Ringelmann No. 1 for no more than 3 minutes in any hour		N	None	x	
Opacity	SIP 6-301	Υ		> Ringelmann No. 1 for no		N	None		
				more than 3 minutes in any hour				Х	
Opacity	BAAQMD	Υ		> Ringelmann No. 1 for no		N	None		
	condition			more than 3 minutes in any				x	
	#23688,			hour or equivalent 20%				^	
	part 18			opacity					
FP	BAAQMD 6-	Υ		0.15 grain/dscf		N	None	X	
	1-310						Nama		
FP	SIP 6-310	Y		0.15 grain/dscf		N	None	X	
FP	BAAQMD 6- 1-3103	Y		0.15 grain/dscf @ 6% O2		N		x	
FP	SIP 6-310	Υ		0.15 grain/dscf @ 6% O2		N		x	
PM ₁₀	BAAQMD	Υ		38.5 tons/year for all	BAAQMD	P/every 8000	Source test,		
	condition			turbines and HRSGS	condition	hrs. of	records &		
	#23688,			combined including startup	#23688	operation or	calculation	x	
	part 22			and shutdown of turbines	part 26e	every 3 years,		^	
						whichever is			
						sooner			
POC	BAAQMD	Υ		1 ppmv @ 15% O2, dry,	BAAQMD	P/every 8000	Source Test		
	condition			1-hr average except during	condition	hrs. of			
	#23688,			turbine startup or	#23688,	operation or		X	
	part 19d			shutdown	part 26d	every 3 years,			
						whichever is			
						sooner			

			Future		Monitoring	Monitoring		Compl	iance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	163	140
POC	BAAQMD	Υ		20.2 lb./day for each	BAAQMD	P/every 8000	P/every		
	condition			turbine/HRSG power train	condition	hrs. of	8000 hrs. of		
	#23688,			including startup and	#23688,	operation or	operation or		
	part 22			shutdown	part 26d	every 3 years,	every 3	X	
						whichever is	years,		
						sooner	whichever is		
							sooner		
POC	BAAQMD	Υ		80.8 lb/day for all turbines	BAAQMD	P/every 8000	P/every		
	condition			and HRSG combined,	condition	hrs. of	8000 hrs. of		
	#23688,			including startup and	#23688,	operation or	operation or		
	part 22			shutdown	part 26d	every 3 years,	every 3	X	
						whichever is	years,		
						sooner	whichever is		
							sooner		
POC	BAAQMD	Υ		12.3 tons/year for all	BAAQMD	P/A	P/every		
	condition			turbines and HRSGs	condition	,	8000 hrs. of		
	#23688			combined including startup	#23688,		operation or		
	part 22			and shutdown.	part 26d		every 3	Х	
	·						years,		
							whichever is		
							sooner		
NH ₃	BAAQMD	N		5 ppmv @ 15% O2, dry,	BAAQMD	С	NH₃ flow		
	condition			averaged over 3-hrs except	condition		meter,		
	#23688,			during turbine startup or	#23688,		calculations	X	
	part 19b			shutdown	parts 19b and				
	·				26b				
NH ₃	BAAQMD	N		5 ppmv @ 15% O2, dry,	BAAQMD	P/every 8000	Source Test		
	condition			averaged over 3-hrs except	condition	hrs. of			
	#23688,			during turbine startup or	#23688,	operation or			
	part 19b			shutdown	part 26b	every 3 years,		X	
	'					whichever is			
						sooner			
NH ₃	BAAQMD	Υ		104 lb./day for each	BAAQMD	С	Ammonia		
	condition			turbine/HRSG power train	condition		flow meter,		
	#23688,			including startup and	#23688,		calculations	X	
	part 22			shutdown	part 25b				

			Future		Monitoring	Monitoring		Compl	iance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit NH ₃	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре		
IN∏3	BAAQMD	Υ		416 lb/day for all turbines	BAAQMD	С	Ammonia		
	condition			and HRSGs combined,	condition		flow meter,	Х	
	#23688,			including startup and	#23688,		calculations		
NII I	part 22			shutdown	part 25b				
NH ₃	BAAQMD	Υ		56.9 tons/year for all	BAAQMD	С	Ammonia		
	condition			turbines and HRSGs	condition		flow meter,	X	
	#23688			combined including startup	#23688,		calculations		
	part 22			and shutdown.	part 26b				
Formalde	BAAQMD	N		6490 lbs./year for all			N		
hyde	condition			turbines and HRSGs				X	
	#23688			combined				Α	
	part 43								
Acetaldeh	BAAQMD	N		3000 lbs./year for all			N		
yde	condition			turbines and HRSGs				V	
	#23688			combined				X	
	part 43								
Specific	BAAQMD	N		3.2 lbs./year for all turbines	BAAQMD	P (Startup	Source Test		
PAHs	condition			and HRSGs combined	condition	and biennial		v	
	#23688				#23688,	thereafter)		X	
	part 43				Parts 44 & 45				
Acrolein	BAAQMD	N		65.3 lbs./year for all	BAAQMD	P (Startup	Source Test		
	condition			turbines and HRSGs	condition	and biennial			
	#23688			combined	#23688,	thereafter)		Х	
	part 43				Parts 44 & 45	,			
Sulfuric	BAAQMD	Υ		7 tons/year for all turbines	BAAQMD	P/every 8000	Source Test		
Acid Mist	condition			and HRSGs combined	condition	hrs. of			
	#23688				#23688,	operation or			
	part 43				Parts 27	every 3 years,		Х	
	part 15				r dres 27	whichever is			
						sooner			
Heat	BAAQMD	Υ		500 MM BTU/ hr. (HHV),	BAAQMD	C	Fuel meter,		
input limit	condition			for each turbine	condition	Ĭ	firing		
pat iiiiit	#23688,			To cach tarbine	#23688,		monitor,	X	
	part 24				part 25d		calculations		
Heat	BAAQMD	Υ		500 MM BTU/ hr. (HHV),	BAAQMD	P/Q	Fuel		
input limit	condition	ľ		for each turbine	condition	r/U			
input iiiiilt				ioi eacii turbine			composition	X	
	#23688,				#23688,		analysis		
	part 24				part 25d				

			Future		Monitoring	Monitoring		Compl	iance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	163	140
Heat	BAAQMD	Υ		500 MM BTU/ hr. (HHV),	BAAQMD	P/every 8000	Source test		
input limit	condition			for each turbine	condition	hrs. of			
	#23688,				#23688,	operation or		х	
	part 24				part 25d	every 3 years,		^	
						whichever is			
						sooner			
Heat	BAAQMD	Υ		639 MM BTU/day (HHV) for	BAAQMD	С	fuel meter,		
input limit	condition			each turbine w/ Duct	condition		firing	Х	
	#23688,			Burner	#23688,		monitor,	^	
	part 24				part 25d		calculations		
Heat	BAAQMD	Υ		639 MM BTU/day (HHV) for	BAAQMD	P/Q	Fuel		
input limit	condition			each turbine w/ Duct	condition		composition	v	
	#23688,			Burner	#23688,		Analysis	X	
	part 24				part 25d				
Heat	BAAQMD	Υ		639 MM BTU/day (HHV) for	BAAQMD	P/every 8000	Source Test		
input limit	condition			each turbine w/ Duct	condition	hrs. of			
	#23688,			Burner	#23688,	operation or		v	
	part 24				part 25d	every 3 years,		X	
						whichever is			
						sooner			
Heat	BAAQMD	Υ		12,000 MM BTU/day (HHV)	BAAQMD	С	fuel meter,		
input limit	condition			for each turbine	condition		firing	v	
	#23688,				#23688,		monitor,	X	
	part 24				part 25d		calculations		
Heat	BAAQMD	Υ		12,000 MM BTU/day (HHV)	BAAQMD	P/Q	Fuel		
input limit	condition			for each turbine	condition		composition	.,	
	#23688,				#23688,		Analysis	X	
	part 24				part 25d				
Heat	BAAQMD	Υ		15,366 MM BTU/day (HHV)	BAAQMD	С	fuel meter,		
input limit	condition			for each turbine w/ Duct	condition		firing	v	
	#23688,			Burner	#23688,		monitor,	X	
	part 24				part 25d		calculations		
Heat	BAAQMD	Υ		15,366 MM BTU/day (HHV)	BAAQMD	P/Q	Fuel		
input limit	condition			for each turbine w/ Duct	condition		composition		
	#23688,			Burner	#23688,		Analysis	X	
	part 24				part 25d		,		

			Future		Monitoring	Monitoring		Compl	iance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	163	140
Heat	BAAQMD	Υ		18,215,000 MM BTU/yr.	BAAQMD	С	fuel meter,		
input limit	condition			(HHV) for all turbines w/	condition		firing	х	
	#23688,			Duct Burner	#23688,		monitor,	^	
	part 24				part 25d		calculations		
Heat	BAAQMD	Υ		18,215,000 MM BTU/yr.	BAAQMD	P/Q	Fuel		
input limit	condition			(HHV) for all turbines w/	condition		composition	v	
	#23688,			Duct Burner	#23688,		analysis	Х	
	part 24				part 25d				
MW	N/A			None	BAAQMD	P/every 8000	Source test		
					condition	hrs. of			
					#23688,	operation or		v	
					part 26h	every 3 years,		Х	
						whichever is			
						sooner			
Gas	N/A			None	BAAQMD	P/every 8000	Source test		
temper-					condition	hrs. of			
ature					#23688,	operation or		v	
					part 26j	every 3 years,		Х	
						whichever is			
						sooner			
Stack gas	N/A			None	BAAQMD	P/every 8000	Source test		
flow					condition	hrs. of			
					#23688,	operation or		v	
					part 26i	every 3 years,		Х	
						whichever is			
						sooner			
NH ₃	N/A			None	BAAQMD	P/every 8000	Source test		
injection					condition	hrs. of			
rate					#23688,	operation or		x	
					part 26k	every 3 years,		^	
						whichever is			
						sooner			
Water	N/A			None	BAAQMD	P/every 8000	Source test		
Injection					condition	hrs. of			
Rate					#23688,	operation or		v	
					part 26l	every 3 years,		Х	
						whichever is			
						sooner			

			Future		Monitoring	Monitoring		Compl	iance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	res	NO
Shutdown	BAAQMD	Υ		Shutdown of turbine not to		P/E	CEM		
	condition			exceed 30 minutes per				х	
	#23688,			event				Α	
	part 24								

Table VII – B Applicable Limits and Compliance Monitoring Requirements S-5 FIRE PUMP DIESEL ENGINE

	o:: .:		Future		Monitoring	Monitoring		Compl	iance
Type of Limit	Citation of Limit	FE Y/N	Effective Date	Limit	Requirement Citation	Frequency (P/C/N)	Monitoring Type	Yes	No
Opacity	BAAQMD 6-1-303.1	Y	Date	>Ringelmann No.2 for no more than 3 minutes in any hour	Citation	N N	Туре	х	
Opacity	SIP Regulation 6-303.1	Υ		>Ringelmann No.2 for no more than 3 minutes in any hour		N		х	
FP	BAAQMD 6-1-310	Υ		0.15 gr/dscf Particulate Weight Limitation		N		X	
FP	SIP Regulation 6-310	Υ		0.15 gr/dscf		N		x	
SO ₂	BAAQMD 9-1-301	N		GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		X	
SO ₂	BAAQMD 9-1-304	Υ		0.5% sulfur in fuel by weight	BAAQMD Condition #23688, part 39	P/E	Fuel certification	х	
Hours of operation	BAAQMD Regulation 9-8-330.1	N		Emergency use for an unlimited number of hours	BAAQMD Regulation 9-8-530	Р	Records	х	
Hours of operation	40 CFR Part 63, Subpart ZZZZ, 63.6640(f) (1)(ii)	Υ		Maintenance checks and readiness testing less than 100 hr./yr.	40 CFR Part 63, Subpart ZZZZ, 63.6655€	Р	Records	х	
Hours of operation	BAAQMD Condition #23688, part 39	N		Reliability related activities less 50 hr./yr.	BAAQMD Condition #23688, parts 41 & 42	C P/E	Records	х	

Table VII – C Applicable Limits and Compliance Monitoring Requirements S-11 SIX CELL COOLING TOWER

			Future		Monitoring	Monitoring		Comp	liance
Type of Limit	Citation of Limit	FE Y/N	Effective Date	Limit	Requirement Citation	Frequency (P/C/N)	Monitoring Type	Yes	No
Opacity	BAAQMD 6-1-301	Y		>Ringelmann No.1 for no more than 3 minutes in any hour		N		х	
Opacity	SIP 6-301	Y		>Ringelmann No.1 for no more than 3 minutes in any hour		N		x	
FP	BAAQMD 6-1-310	Y		0.15 gr/dscf		Z		x	
FP	SIP 6-310	Υ		0.15 gr/dscf		N		х	
FP	BAAQMD 6-1-311	N		40 lb./hr.		N		х	
FP	SIP 6-311	Y		40 lb./hr.		N		х	
Drift Rate	BAAQMD Condition #23688, part 46	N		0.0005% (Applies to S11 only)	BAAQMD Condition #23688, part 47	P Initial (5 th and 15 th Year if required by CPM)	Source Test	х	
TDS	BAAQMD condition #23688, part 46	N		<6,000 ppmw (Applies to S11 only)	BAAQMD condition #23688, part 46	P/D	TDS Test	х	
Flow	BAAQMD condition #23688, part 47	Y		90,000 gpm (Applies to S11 only)		N		х	