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		Comp	liance
Type of	Citation of	FE	Effective	i	Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре		
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				ļ
NOx	*BAAQMD	Y		9 ppmv @ 15% O2, dry	BAAQMD	С	СЕМ		
	9-9-301.3				9-9-501 and				
					BAAQMD			x	
					condition			•	
					#23868, part				
		<u> </u>			25c				
NOx	NSPS	Y		25 ppmv @ 15% O2, dry	NSPS 40 CFR	С	CEM		
	Subpart			30 day rolling average	60.4335(b)(1)				
	KKKK							X	
	40 CFR							••	
	60.4320(a)								ļ
	and (h)								
NOx	None	Y		None	40 CFR 75.10	С	CEM	x	
NOx (as	BAAQMD	Υ		1464 lb/day and 102 lb/hr	BAAQMD	С	CEM		
NO ₂)	condition			for all turbines and HRSGs	condition				
	#23688,			combined during	#23688,			NA	
	part 10			commissioning, including	parts 7 and			1774	
				startup and shutdown of	25c				
				turbine without catalyst					L

			Future		Monitoring	Monitoring		Compl	iance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Vac	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	Yes	No
NOx (as	BAAQMD	Y		1464 lb/day and 61 lb/hr	BAAQMD	С	CEM		
NO₂)	condition			for all turbines and HRSGs	condition				
	#23688,			combined during	#23688,			NI A	
	part 10			commissioning, including	parts 7 and			NA	
				startup and shutdown of	25c				
				turbine with catalyst					
NOx	BAAQMD	Y		2 ppmv @ 15% O2, dry,	BAAQMD	С	CEM		
	condition			1-hr average except during	condition			v	
	#23688,			turbine startup or	#23688, parts			Х	
	part 19a		!	shutdown	19a and 25c				
NOx	BAAQMD	Υ		2 ppmv @ 15% O2, dry,	BAAQMD	P/A	Source test		
	condition			1-hr average except during	condition			v	
	#23688,			turbine startup or	#23688,			X	
	part 19a			shutdown	part 26a				
NOx (as	BAAQMD	Υ		175.6 lb/day for each	BAAQMD	С	CEM		
NO ₂)	condition			turbine/HRSG power train	condition			•	
·	#23688,			including startup and	#23688,			Х	
	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				
_,	#23688 part			combined, including startup	#23688,			X	
	22			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				
	#23688,			combined, including startup	#23688,			X	
	part 22			or shutdown	part 25c				
со	BAAQMD	Υ		1056 lb/day and 88 lb/hr	BAAQMD	С	CEM		1
	condition			for all turbines combined	condition				
	#23688,			during commissioning,	#23688,				
	part 10			including startup and	parts 7 and			NA	
				shutdown of turbine	25c				
				without catalyst					
со	BAAQMD	Υ		984 lb/day and 41 lb/hr for	BAAQMD	С	CEM		1
	condition			all turbines and HRSGs	condition				
	#23688,			combined during	#23688,			***	
	part 10			commissioning, including	parts 7 and			NA	
				startup and shutdown of	25c				
				turbine with catalyst					

			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		
co	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	Y		2 ppmv @ 15% O2, dry,	BAAQMD	P/A	Source test		
	condition		1	1-hr average except during	condition			x	
	#23688,			turbine startup or	#23688,			^	
	part 19c			shutdown	part 26c		1		_
СО	BAAQMD	Υ		97 lb/day for each	BAAQMD	C	CEM		
	condition			turbine/HRSG power train	condition			v	
	#23688,			including startup and	#23688,			X	
	part 22			shutdown	part 25c				
со	BAAQMD	Υ		388 lb/day for all turbines	BAAQMD	С	CEM		
	condition			and HRSG combined,	condition				
	#23688,			including startup and	#23688,			X	
	part 22			shutdown	part 25c				
со	BAAQMD	Υ		53.4 tons per year for all	BAAQMD	С	CEM		
	condition			turbines and HRSGs	condition				1
	#23688,			combined, including startup	#23688,			X	
	part 22			and shutdown	part 25c				
CO₂		Υ		None	40 CFR 75.10	С	CEM (CO2)		-
							or CEM (O2)		
				!			or fuel flow	X	
							monitor		
SO₂	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			·		
SO₂	BAAQMD 9-	γ	 	300 ppm (dry)	BAAQMD	P/A	Source test		
	1-302				Condition				
					23688, Part			Х	
					26f				
SO₂	NSPS	Y		0.060lb SO2/MMbtu	NSPS 40 CFR	N	None		-
	Subpart				60.4365(a)	·			
	KKKK				.,.,				
	40 CFR							X	
	60.4330								
	(a)(2)		1			1			

			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	110
SO ₂	None	Y		None	40 CFR 75.11,		Fuel		
					40 CFR 75,		measure-	· x	
					Appendix D,		ments,	^	
					part 2.3		calculations		
SO₂	BAAQMD	Y		6.43 tons/calendar year for	BAAQMD	P/A	Source Test		
	condition			all turbines and HRSGs	Condition		1	x	
	#23688,			combined including startup	23688, Part			^	
	part 22			and shutdown of turbines	26f				
Opacity	BAAQMD 6-	N		> Ringelmann No. 1 for no		N	None		
	1-301			more than 3 minutes in any			<u> </u>	Х	
				hour					
Opacity	SIP 6-301	γ		> Ringelmann No. 1 for no		N	None		
				more than 3 minutes in any				X	
				hour					
Opacity	BAAQMD	Υ	***************************************	> Ringelmann No. 1 for no		N	None		
	condition			more than 3 minutes in any					
	#23688,			hour or equivalent 20%				X	
	part 18			opacity				i I	
FP	BAAQMD 6-	Υ		0.15 grain/dscf		N	None		
	1-310			J				Х	
FP	SIP 6-310	Υ		0.15 grain/dscf		N	None		
	" " " " " " " " " " " " " " " " " " "			g. 2, 2.2	Į			X	
PM ₁₀	BAAQMD	Υ		38.5 tons/year for all	BAAQMD	P/A	Source test,		
	condition			turbines and HRSGS	condition	· i	records &		
	#23688,			combined including startup	#23688		calculation	X	
	part 22			and shutdown of turbines	part 26e				
POC	BAAQMD	Υ		288 lb/day for all turbines	BAAQMD	P/A	Source Test,		
	condition	· .		and HRSG combined during	condition		records &		
	#23688		:	commissioning and	#23688		calculation	_	
	part 10			including startup and	part 26d			N/A	
				shutdown of turbines	para zaa				
				without catalyst					
POC	BAAQMD	Y		114 lb/day for all turbines	BAAQMD	P/A	Source Test,		<u> </u>
	condition	'		and HRSG combined during	condition	''	records &		
	#23688			commissioning and	#23688		calculation		
	part 10			including startup and	part 26d		Calculation	N/A	}
	part 10			shutdown of turbines with	part 200				
				1					
	1	<u> </u>	l	catalyst	li				

			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	Y		1 ppmv @ 15% O2, dry,	BAAQMD	P/A	Source Test		
	condition			1-hr average except during	condition			x	
	#23688,			turbine startup or	#23688,			^	
	part 19d			shutdown	part 26d				
POC	BAAQMD	Y		20.2 lb/day for each	BAAQMD	P/A	Source Test		
	condition			turbine/HRSG power train	condition		ŀ	x	
	#23688,			including startup and	#23688,			^	
	part 22			shutdown	part 26d				
POC	BAAQMD	Υ		80.8 lb/day for all turbines	BAAQMD	P/A	Source Test		
	condition			and HRSG combined,	condition			v	
	#23688,			including startup and	#23688,			X	
	part 22			shutdown	part 26d				
POC	BAAQMD	Υ		12.3 tons/year for all	BAAQMD	P/A	Source Test		
	condition			turbines and HRSGs	condition				
	#23688 part			combined including startup	#23688,			X	
	22			and shutdown.	part 26d				
NH₃	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,			X	
	part 19b			shutdown	parts 19b and				
					26b				
NH ₃	BAAQMD	N		5 ppmv @ 15% O2, dry,	BAAQMD	P/A	Source Test		
	condition			averaged over 3-hrs except	condition			·	
	#23688,			during turbine startup or	#23688,			X	
	part 19b			shutdown	part 26b				
NH ₃	BAAQMD	Y		104 lb/day for each	BAAQMD	P/A	Ammonia		
	condition			turbine/HRSG power train	condition		flow meter	v	
	#23688,			including startup and	#23688,			X	
	part 22			shutdown	part 25b				
NH₃	BAAQMD	Y		416 lb/day for all turbines	BAAQMD	P/A	Ammonia		
	condition			and HRSGs combined,	condition		flow meter	v	
	#23688,			including startup and	#23688,			X .	
	part 22			shutdown	part 25b				
NH ₃	BAAQMD	Υ		56.9 tons/year for all	BAAQMD	P/A	Source test		
	condition			turbines and HRSGs	condition			v	
	#23688 part			combined including startup	#23688,			Х	
	22			and shutdown.	part 26b				

			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	162	NU
Formalde	, BAAQMD	N		6480 lbs/year for all	BAAQMD	P (Startup	Source Test		
hyde	condition			turbines and HRSGs	condition	and biennial		x	
	#23688 part			combined	#23688,	therafter)		^	
	43				Parts 44 & 45				
Acetaldeh	BAAQMD	N		3000 lbs/year for all	BAAQMD	P (Startup	Source Test		
yde	condition			turbines and HRSGs	condition	and biennial		x	
	#23688 part			combined	#23688,	therafter)		^	
	43				Parts 44 & 45				
Specific	BAAQMD	N		3.2 lbs/year for all turbines	BAAQMD	P (Startup	Source Test		
PAHs	condition			and HRSGs combined	condition	and biennial		x	
	#23688 part				#23688,	therafter)		. ^	
	43				Parts 44 & 45				
Acrolein	BAAQMD	Z		65.3 lbs/year for all	BAAQMD	P (Startup	Source Test		
	condition	!		turbines and HRSGs	condition	and biennial		v	
	#23688 part	!		combined	#23688,	therafter)		Х	
	43				Parts 44 & 45				
Sulfuric	BAAQMD	Υ		7 tons/year for all turbines	BAAQMD	P/SA (May be	Source Test		
Acid Mist	condition			and HRSGs combined	condition	lowered after		x	
	#23688 part			·	#23688,	2 tests based		^	
	43				Parts 27	on variability)			
Heat	BAAQMD	Υ		500 MM BTU/ hr (HHV), for	BAAQMD	С	Fuel meter,		
input limit	condition			each turbine	condition		firing	v	
	#23688,				#23688,		monitor,	Х	
	part 24				part 25d		calculations		
Heat	BAAQMD	Y		500 MM BTU/ hr (HHV), for	BAAQMD	P/M	Fuel		
input limit	condition			each turbine	condition		composition	v	
	#23688,				#23688,		analysis -	X	
	part 24				part 25d				
Heat	BAAQMD	Υ		500 MM BTU/ hr (HHV), for	BAAQMD	P/A	Source test		
input limit	condition			each turbine	condition				
	#23688,				#23688,	•		X	
	part 24				part 25d				
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		

			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	1 ts	NO
Heat	BAAQMD	Υ		639 MM BTU/day (HHV) for	BAAQMD	P/M	Fuel		
input limit	condition			each turbine w/ Duct	condition		composition	v	
	#23688,			Burner	#23688,		Analysis	Х	
	part 24				part 25d				
Heat	BAAQMD	Υ		639 MM BTU/day (HHV) for	BAAQMD	P/A	Source Test		
input limit	condition			each turbine w/ Duct	condition			X	
!	#23688,			Burner	#23688,			^ .	
	part 24			·	part 25d				
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,	Х	
[]	part 24				part 25d		calculations		
Heat	BAAQMD	γ		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	x	
	#23688,			Burner	#23688,		monitor,	^	
	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	x	
	#23688,			Burner	#23688,	i .	Analysis	^	
	part 24				part 25d				
Heat	BAAQMD	Υ		18,215,000 MM BTU/yr	BAAQMD	С	fuel meter,		
input limit	condition			(HHV) for all turbines w/	condition		firing	v	
	#23688,		-	Duct Burner	#23688,		monitor,	X	
	part 24				part 25d		calculations		
Heat	BAAQMD	Y		16,560,000MM BTU/yr.	BAAQMD	P/Q	Fuel		
input limit	condition			(HHV) for all turbines w/	condition		composition	v	
1	#23688,			Duct Burner	#23688,		analysis	X	
	part 24				part 25d				
Unabated	BAAQMD	Υ		250 hours during	BAAQMD	P/H	Records		
firing	condition			commissioning	condition			AI A	
	#23688,				#23688,			NA	
	part 8				part 8				

i		:	Future		Monitoring	Monitoring		Comp	liance
Type of Limit	Citation of Limit	FE Y/N	Effective Date	i l	Requirement Citation	Frequency (P/C/N)	Monitoring Type	Yes	No
MW	N/A			None	BAAQMD	P/A	Source test		
					condition			v	
					#23688,			X	
					part 26h				
Gas	N/A			None	BAAQMD	P/A	Source test		
temper-					condition			x	
ature					#23688,			^	
					part 26j				
Stack gas	N/A			None	BAAQMD	P/A	Source test		
flow					condition		1	x	
					#23688,			^	
					part 26i				
NH ₃	N/A			None	BAAQMD	P/A	Source test		
injection					condition			x	
rate					#23688,			^	
					part 26k				
Water	N/A			None	BAAQMD	P/A	Source test		
Injection			1		condition			x	
Rate	:				#23688,			^	
					part 26l				

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

			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		>Ringelmann No.2 for no more than 3 minutes in any hour		N		x	
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		х	
FP	SIP Regulation 6-310	Y		0.15 gr/dscf		N		x	
SO₂	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	
SO₂	BAAQMD 9-1-304	Y		0.5% sulfur in fuel by weight	BAAQMD Condition #23688, part 39	P/E	Fuel certification	x	
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(e)	P	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	x	

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		x	
Opacity	SiP 6-301	Y		>Ringelmann No.1 for no more than 3 minutes in any hour		N		x	
FP	BAAQMD 6-1-310	Υ		0.15 gr/dscf		N		×	
FP	SIP 6-310	Υ		0.15 gr/dscf		N	:	x	
Drift Rate	BAAQMD Condition #23688, part 46	N		0.0005%	BAAQMD Condition #23688, part 47	P Initial (5 th and 15 th Year if required by CPM)	Source Test	×	
TDS	BAAQMD condition #23688, part 46	N		<6,000 ppmw	BAAQMD condition #23688, part 46	P/D	TDS Test	×	