Table VII – A Applicable Limits and Compliance Monitoring Requirements S-1, S-3, S-5 TURBINES

S-2, S-4, S-6 HEAT RECOVERY STEAM GENERATORS

			Future		Monitoring	Monitoring		Сотр	liance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре		
NO_x	BAAQMD	N		125 ppm	BAAQMD	С	CEM	X	
	9-3-303			***************************************	1-520.1	****			· ····································
	BAAQMD	N		0.15 lb/MW-hr or 5 ppmv	BAAQMD	С	CEM	X	
	9-9-301.2			ļ.,,,	9-9-501				
NO_x	SIP	N		9 ppmv @ 15% O ₂ , dry	SIP	С	СЕМ	X	
	9-9-301.3				9-9-501				
	NSPS, 40	Y		0.2 lb/MMBtu, 30-day	40 CFR	С	CEM	X	
	CFR 60.44			rolling average	60.48 (b) and		1		
	(a)(4)				BAAQMD				
					condition		l i		
					#17154				
NO _x	NSPS, 40	Y		75 ppmv, @ 15% O ₂ , dry	40 CFR	С	СЕМ	X	
	CFR 60.332	ļ			60.334(c) and				
	(a)(1)				BAAQMD		1		
					Confition				
					17154, Part				
					39b				
		Y		None	40 CFR 75.10	С	СЕМ	X	
NOx	BAAQMD	Y		19.2 lb/hr, for each turbine	BAAQMD	С	СЕМ	X	
	condition			and HRSG combined,	condition				
	#17154,			except during turbine	#17154,				
	part 22a			startup, shutdown, steam	part 39b		, ,		ļ
				turbine cold start-up, or					
				combustor tuning period					
NO _x	BAAQMD	Y		19.2 lb/hr, for each turbine	BAAQMD	P/A	Source test		
	condition			and HRSG combined,	condition		at maximum		
	#17154,			except during turbine	#17154,		load		
	part 22a			startup, shutdown, steam	part 43				
				turbine cold start-up, or					
				combustor tuning period					

			Future		Monitoring	Monitoring		Comp	oliance
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring	Yes	No
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	162	140
NO_x	BAAQMD	Y		0.00904 lb/MM BTU, for	BAAQMD	С	CEM	X	
	condition			each turbine and HRSG	condition				
	#17154,			combined, except during	#17154,				
	part 22a			turbine startup, shutdown,	part 39b				
				steam turbine cold start-up,					
				or combustor tuning period					
NO _x	BAAQMD	Υ		0.00904 lb/MM BTU, for	BAAQMD	P/A	Source test	X	
	condition			each turbine and HRSG	condition		at maximum		
	#17154,			combined, except during	#17154,		load		
	part 22a			turbine startup, shutdown,	part 43		1		
	-			steam turbine cold start-up,	-				
				or combustor tuning period					
NO _x	BAAQMD	Y		2.5 ppmv, @ 15% O ₂ , dry,	BAAQMD	P/A	Source test	Х	
	condition			for each turbine and HRSG	condition		at maximum		
	#17154,			combined, I-hr average	#17154,		load		
	part 22b			except during turbine	part 43				
				startup, shutdown, steam			1		
			1	turbine cold start-up, or					
				combustor tuning period					
NO _x	BAAQMD	Y		2.5 ppmv, @ 15% O ₂ , dry,	BAAQMD	С	CEM	X	
	condition			for each turbine and HRSG	condition				
	#17154,			combined, 1-hr average	#17154,		<u> </u>		
	part 22b	ļ		except during turbine	part 39b				
				startup, shutdown, steam					1
				turbine cold start-up, or			1		
		<u>.</u>		combustor tuning period					
NO_x	BAAQMD	Y		240 lb/turbine during	BAAQMD	С	СЕМ	X	
	condition			start-up	condition				1
	#17154,				#17154,				
	part 23				part 39b				
	BAAQMD	Υ		80 lb/turbine during	BAAQMD	С	СЕМ	Х	
	condition			shutdown	condition				
	#17154,	ļ			#17154,				
	part 23		<u> </u>		part 39b				<u></u>
	BAAQMD	Y		300 lb/turbine during steam	BAAQMD	С	СЕМ	X	
	condition			turbine cold start-up or	condition				
	#17154,			combustor tuning period	#17154,				
	part 23				part 39b				

			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)	Type	1 63	140
NO_x	BAAQMD	Y		1990.8 lb/day for turbines	BAAQMD	C	CEM	X	
	condition			and HRSGs combined	condition	i			
	#17154,				#17154,				
	part 36a				part 39b				
·	BAAQMD	Y		240.2 ton/yr for turbines	BAAQMD	С	CEM	X	
	condition			and HRSGs combined	condition				
}	#17154,				#17154,		ļ		
	part 37a				part 39b				
CO	BAAQMD	Y		46.75 lb/hr, for each turbine	BAAQMD	P/A	Source test	Х	
	condition			and HRSG combined,	condition		at maximum		
	#17154,			except during turbine	#17154,		and		
	part 22c			startup, shutdown, steam	part 43		minimum		
				turbine cold start-up, or			load		
		ļ		combustor tuning period					
СО	BAAQMD	Y		46.75 lb/hr, for each turbine	BAAQMD	С	CEM	Х	
	condition			and HRSG combined,	condition				
	#17154,			except during turbine	#17154,				
	part 22c			startup, shutdown, steam	part 39b				
				turbine cold start-up, or					
				combustor tuning period					
	BAAQMD	Y		0.022 lb/MM BTU, for each	BAAQMD	P/A	Source test	Х	
	condition			turbine and HRSG	condition		at maximum		
	#17154 <u>,</u>			combined, except during	#17154,		and		
	part 22c			turbine startup, shutdown,	part 43		minimum		
				steam turbine cold start-up,			load		
		<u> </u>		or combustor tuning period		}			L
	BAAQMD	Y		0.022 lb/MM BTU, for each	BAAQMD	С	CEM	X	
	condition			turbine and HRSG	condition				
	#17154,			combined, except during	#17154,				
	part 22c	1	j	turbine startup, shutdown,	part 39b			,	
			1	steam turbine cold start-up,					
				or combustor tuning period					
СО	BAAQMD	Y		10 ppmv, @ 15% O ₂ , dry,	BAAQMD	С	CEM	Х	
	condition			for each turbine and HRSG	condition				
	#17154,			combined, 3-hr average	#17154,				
	part 22d			except during turbine	part 39b				
				startup, shutdown, steam					
				turbine cold start-up, or					
				combustor tuning period	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	103	
co	BAAQMD	Y		10 ppmv, @ 15% O ₂ , dry,	BAAQMD	P/A	Source test	х	
	condition			for each turbine and HRSG	condition		at maximum		
	#17154,			combined, 3-hr average	#17154,		and		
	part 22d			except during turbine	part 43		minimum		
				startup, shutdown, steam			load		
				turbine cold start-up, or					
				combustor tuning period					
СО	BAAQMD	Y		2514 lb/turbine during	BAAQMD	С	CEM	X	
	condition			start-up	condition				
	#17154,			-	#17154,				
	part 23				part 39b				
СО	BAAQMD	Y		902 lb/turbine during	BAAQMD	С	СЕМ	X	
	condition		ļ	shutdown	condition				
	#17154,				#17154,				
]	part 23				part 39b		<u> </u>		
	BAAQMD	Y		9,750 lb/turbine during	BAAQMD	С	CEM	X	
	condition			steam turbine cold start-up	condition				
	#17154,			or combustor tuning period	#17154,				
	part 23				part 39b				
СО	BAAQMD	Y		12,756.4 lb/day for turbines	BAAQMD	С	CEM	X	
	condition		1	and HRSGs combined	condition			·	
	#17154,				#17154,				
	part 36b				part 39b				
СО	BAAQMD	Y	1	1,105.4 ton/yr for turbines	BAAQMD	С	CEM	Х	•••••
	condition			and HRSGs combined	condition			-	
	#17154,				#17154,				
	part 37b				part 39b				
CO ₂	1	Y		None	40 CFR 75.10	С	fuel flow	X	
							monitor and	-	
							CO ₂		
							calculation		
SO ₂	BAAQMD	Y		GLC ¹ of 0.5 ppm for 3 min		N		N/A	
	9-1-301	-		or 0.25 ppm for 60 min or				· · · · · ·	
				0.05 ppm for 24 hours					
	BAAQMD	Y	†	300 ppm (dry)		N		N/A	
	9-1-302	1		ppin (dr.y.)		.,		*****	
	NSPS 40		 	0.2 lb/MMBtu, 24 hr		N	 	N/A	
ļ	CFR 60.43a			average except during		,,,		''''	
	II.								
	(b)(2)	L	<u></u>	startup, shutdown	<u> </u>	<u> </u>	<u> </u>	<u> </u>	

			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)	Type	1 65	
SO_2	NSPS	Y		0.015% (vol) @ 15% O ₂	NSPS 40	P/M	Fuel sulfur	X	
	40 CFR			(dry) or total sulfur content	CFR 60.334		content		
	60.333			of fuel less than or equal to	(h) (3) (ii)		testing		
·				0.8% sulfur by weight	and				
				(8,000 ppmw)	BAAQMD				
					Condition				
					17154, Part				
					57				
SO ₂		Y		None	40 CFR	 .	Fuel	x	
					75.11, 40		measure-		
					CFR 75,		ments,		
					Appendix D,		calculations		
			1	,	part 2.3				
	BAAQMD	Y		Fuel sulfur content of 1.0	BAAQMD	P/M	Fuel testing	Х	
	condition			gr/100 scf	condition		_	·	
	#17154,				#17154, part				
	part 14				57			:	
	BAAQMD	Y		18.42 ton/yr for turbines	BAAQMD	P/D	Fuel sulfur	Х	
	condition	1		and HRSGs combined	condition		content		
	#17154,				#17154,		testing,		
	part 37e				part 40		natural gas		
							usage		
							records,		
							calculations		
Opacity	BAAQMD	N		> Ringelmann No. 1 for no		N		N/A	i
	6-1-301			more than 3 minutes in any					
				hour					
Opacity	SIP	Y		> Ringelmann No. 1 for no		N		N/A	
	6-301			more than 3 minutes in any					
				hour					
FP	BAAQMD	N		0.15 grain/dscf		N		N/A	
	6-1-310								
FP	SIP	Y		0.15 grain/dscf		N		N/A	
	6-310				1				
	BAAQMD	N		0.15 grain/dscf @ 6% O ₂	1	N		N/A	
	6-1-310.3								
************	SIP	Y	1	0.15 grain/dscf @ 6% O ₂		N		N/A	
	6-310.3			3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		''			

			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)	Type	1 63	110
Opacity	BAAQMD	N	,	During tube cleaning,		N		N/A	
	6-1-304			Ringelmann No. 2 for 3	,				
				min/hr and 6 min/billion				ŀ	
	,			btu/24 hours					
Opacity	SIP 6-304	Y		During tube cleaning,		N		N/A	
				Ringelmann No. 2 for 3					
			min/hr and 6 min/billion						
				btu/24 hours			l		
PM_{10}	BAAQMD	Y		9.0 lb/hr, for each turbine	BAAQMD	P/A	Source test	X	
	condition			and HRSG combined	condition		at maximum		
	#17154,				#17154,		load		
	part 22h				part 43				
PM_{10}	BAAQMD	Y		0.00424 lb/MM BTU, for	BAAQMD	P/A	Source test	X	
	condition	ļ		each turbine and HRSG	condition		at maximum		
	#17154,			combined	#17154,		load		
	part 22h				part 43				
PM_{10}	BAAQMD	Y		648 lb/day for turbines and	BAAQMD	P/D	Records,	X	
	condition			HRSGs combined	condition	:	calculations		
	#17154,				#17154,				
	part 36d]	_		part 40				
	BAAQMD	Y		118.26 ton/yr for turbines	BAAQMD	P/D	Records,	X	
	condition			and HRSGs combined	condition		calculations		
	#17154,				#17154,]			
	part 37d				part 40				
POC	BAAQMD	Y		5.33 lb/hr (as CH4) for each	BAAQMD	P/A	Source test	X	
	condition			turbine, and HRSG	condition		at maximum		
	#17154,			combined except during	#17154,		load		
	part 22f			turbine startup, shutdown,	part 43				
	ļ			steam turbine cold start-up,					
		<u> </u>		or combustor tuning period					
POC	BAAQMD	Y		0.00251 lb/MM BTU (as	BAAQMD	P/A	Source test	X	
	condition			CH4) for each turbine, and	condition		at maximum		
	#17154,			HRSG combined except	#17154,		load		
	part 22f			during turbine startup,	part 43				
				shutdown, steam turbine					
				cold start-up, or combustor	,				
			<u> </u>	tuning period					

			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	1 62	110
	BAAQMD	Y		48 lb/turbine during	BAAQMD	P/D	Records,	Х	
	condition			start-up	condition		calculations		
	#17154,				#17154,				
	part 23				part 40				
POC	BAAQMD	Y		16 lb/turbine during	BAAQMD	P/D	Records,	X	
	condition			shutdown	condition		calculations		
	#17154,				#17154,				
	part 23			!	part 40				
	BAAQMD	Y		96 lb/turbine during	BAAQMD	P/D	Records,	X	
	condition			steam turbine cold start-up	condition		calculations		
	#17154,			or combustor tuning period	#17154,				
	part 23				part 40				
	BAAQMD	Y		478.2 lb/day (as CH4) for	BAAQMD	P/D	Records,	X	
	condition			turbines and HRSGs	condition		calculations		
	#17154,	`	Ì	combined	#17154,				
	part 36c				part 40				
POC	BAAQMD	Y		64.68 ton/yr for turbines	BAAQMD	P/D	Records,	X	
	condition			and HRSGs combined	condition		calculations		
	#17154,				#17154,				
	part 37c				part 40				
NH ₃	BAAQMD	N		10 ppmv, @ 15% O ₂ , dry,	BAAQMD	С	Ammonia	X	
,	condition			averaged over 3 hrs for	condition		injection	•-	
	#17154,			each turbine and HRSG	#17154,		rate monitor		
	Part 22e			combined except during	part 39c				
				turbine startup, shutdown,	•		[
				steam turbine cold start-up,			[[ļ t
				or combustor tuning period					
Formal-	BAAQMD	N	 	5691 lb/yr for turbine and	BAAQMD	P/D	Records,	X	·····
dehyde	condition			HRSGs combined	condition		calculations		
•	#17154,				#17154,		,		
	part 38a		ļ		part 41				
Formal-	BAAQMD	N	<u> </u>	5691 lb/yr for turbine and	BAAQMD	P/every two	Source test	X	
dehyde	condition			HRSGs combined	condition	years on P-			
. ,	#17154,				#17154,	1, P-2, or			
	part 34a				part 44	P-3			
Benzene	BAAQMD	N	 	704 lb/yr for turbines,	BAAQMD	P/D	Records,	X	
	condition			HRSGs, and auxiliary	condition		calculations		
	#17154,			boiler combined	#17154,				
	part 38b				part 41				

			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)	Type		
	BAAQMD	N		704 lb/yr for turbines and	BAAQMD	P/every two	Source test	X	
]	condition			HRSGs combined	condition	years on P-			
	#17154,		,		#17154,	1, P-2, or			
	part 38b				part 45	P-3		** .	
Specified	BAAQMD	N		120 lb/yr for turbines,	BAAQMD	P/D	Records,	X	
PAH's	condition		 	HRSGs, and auxiliary	condition		calculations		
	#17154,			boiler combined	#17154,				
	Part 38c				part 41	hatt			
	BAAQMD	N		120 lb/yr for turbines and	BAAQMD	P/every two	Source test	X	
	condition			HRSGs combined	condition	years on P-			
	#17154,		:		#17154,	1, P-2, or			
	Part 38c				part 41	P-3			
Heat		Y		None	40 CFR 75.10	С	Fuel meter,	X	
input			:				firing		
limit							monitor,		
							calculations		
Heat	BAAQMD	Y		2,125 MM BTU/hr (HHV),	BAAQMD	С	Fuel meter,	X	
input	condition			3-hr average for each	condition		firing		
limit	#17154,			Turbine and HRSG, total	#17154,		monitor,		
	part 15				part 39a		calculations		
	BAAQMD	Y		50,024 MM BTU/calendar	BAAQMD	С	fuel meter,	X	
	condition			day (HHV), for each	condition		firing		
	#17154,			Turbine and HRSG, total	#17154,		monitor,		
	part 16	<u></u>			part 39a		calculations		
Heat	BAAQMD	Y		53,188,532 MM BTU/yr	BAAQMD	С	fuel meter,	X	
Input	condition			(HHV) for S-1, S-3, S-5,	condition		firing		
Limit	#17154,			Turbines and S-2, S-4, S-6	#17154,		monitor,		
	part 17			HRSGs combined	part 39a		calculations		
Steam	BAAQMD	Y		30 hours per year per	BAAQMD	P/H	records	X	
turbine	condition			turbine	condition	1			
cold start-	#17154,				#17154,				
up or	part 24				part 62				
combus-		1							
tor tuning		<u> </u>	1						

Table VII – B Applicable Limits and Compliance Monitoring Requirements S-9, COOLING TOWER

Type of	Citation of	FE	Future Effecti		Monitoring Requirement	Monitoring Frequency	Monitoring	Con	pliance
Limit	Limit	Y/N	ve Date	Limit	Citation	(P/C/N)	Туре	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	
Drift Rate	BAAQMD condition #17154, part 58	Y		0.0005%	BAAQMD condition #17154, part 59	Р	Initial source test	Х	
Total Dissolved Solids	BAAQMD condition #17154, part 58	Y		5233 ppmw (mg/l)	BAAQMD condition #17154, part 58	P/D	Sampling and testing of cooling tower water	х	

Table VII – C Applicable Limits and Compliance Monitoring Requirements S-10, FIRE PUMP DIESEL ENGINE

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring	Com	pliance
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	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	
SO ₂	BAAQMD 9-1-301	Y		GLC 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 ₂	BAAQMD 9-1-304	Y		Sulfur Content <_0.5% by weight		N		N/A	
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 9-8-530	P/E	Totalizing meter record keeping	Х	
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	Х	

Table VII – D Applicable Limits and Compliance Monitoring Requirements S-11, NATURAL GAS FIRED EMERGENCY GENERATOR

Type of	Citation of	FE	Future Effecti		Monitoring Requirement	Monitoring Frequency	Monitonina	Com	pliance
Limit	Limit	Y/N	ve Date	Limit	Citation	(P/C/N)	Monitoring Type	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 ₂	BAAQMD Regulation 9-1-301	Y		GLC 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 ₂	BAAQMD Regulation 9-1-302	Y		300 ppm (dry)		N		N/A	
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	х	
Reliability Related Hours	BAAQMD Condition #21609, part 1	Y		100 hours per calendar year	BAAQMD Condition #22231, part 2 and 3	P/E	Record keeping	Х	