

Renewal date: July 31,2012

**Applicable Limits and Compliance Monitoring Requirements**  
**SI - COMBUSTION GAS TURBINE**

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
NOx	BAAQMD 9-9-301.1.3	N		9ppmv@ 15% O <sub>2</sub> , dry	BAAQMD 9-9-501 and BAAQMD condition #19684, part 23c	C	CEM	X	
NOx	SIP 9-9-301.3	Y		9ppmv@ 15% O <sub>2</sub> , dry	SIP 9-9-501 and BAAQMD condition #19684, part 23c	C	CEM	X	
NOx	BAAQMD 9-9-301.1.3	Y		9ppmv@15%O <sub>2</sub> , dry	BAAQMD condition #19684, part 24a	P/A	Source test every 8,000 hrs or every 3 yrs. whichever comes first	X	

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - A**  
**Applicable Limits and Compliance Monitoring Requirements**  
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								Yes	No
NOx	SIP 9-9-301.3	Y		9ppmv^ 15% O2. dry	BAAQMD condition #19684. part 24a	P/A	Source test every 8,000 hrs or every 3yrs. whichever comes first	X	
NOx	BAAQMD 9-9-301.2	N		0.43 lbs/MWhror9ppmv % 15% O2. dry	BAAQMD 9-9-501 and BAAQMD condition #19684. part 23c	C	CEM	X	
NOx	NSPS. 40 Subpart GG CFR 60.332 (a)(1)	Y		75 ppmv (a) 15% O2. dry	NSPS 40 CFR 60.334(c)	C	CEM	X	
NOx	None	Y		None	40 CFR 75.10	C	CEM	X	
NOx	BAAQMD condition #19684. part 18.1	Y		2.5 ppmv (iii) 15% O2. dry. 3-hr average except during turbine startup or shutdown	BAAQMD condition #19684. part 18.1	C	CEM	X	
NOx	BAAQMD condition #19684. part 18.1	Y		2.5 ppmv (iv) 15% O2. dry. 3-hr average except during turbine startup or shutdown	BAAQMD condition #19684. part 24a	P/A	Source test every 8,000 hrs or every 3yrs. whichever comes first	X	
NOx	BAAQMD condition #19684. part 21	Y		109 lb/day (asNO2) See Note 2	BAAQMD condition #19684. part 23c	C	CEM		X See note 1

Note 1 - Excess emission episode 4/22/2013 as reported in RCA # 06K19 and 06K18 submitted 4 23 2013

Note 2 - BAAQMD condition # 19684 is listed incorrectly on the above permit as Nox limit 109 lb/day. Section VI Permit conditions part 21 states NOx as (NO2) mass emission limits as 121 lb/day

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**Table VII - A**  
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								Yes	No
NOx	BAAQMD condition #19684, part 21	Y		14.7 tons per year (as NO2)	BAAQMD condition #19684, part 23c	C	CEM	X	
CO	BAAQMD condition #19684, part 18.3	Y		6ppmv@ 15% O2, dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #19684, parts 18.3 and 23c	C	CEM	X	
CO	BAAQMD condition #19684, part 18.3	Y		6ppmv@ 15% O2, dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #19684, part 24c	P/A	Source test every 8,000 hrs or every 3yrs, whichever comes first	X	
CO	BAAQMD condition #19684, part 21	Y		159 lb/day	BAAQMD condition #19684, part 23c	C	CEM	X	
CO	BAAQMD condition #19684, part 21	Y		21.5 tons per year	BAAQMD condition #19684, part 23c	C	CEM	X	
CO2		Y		None	40 CFR 75.10	C	CEM (CO2) or CEM (O2) or fuel flow monitor	X	
S02	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		X	

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**Table VII - A**  
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								Yes	No
	BAAQMD 9-1-302	Y		300 ppm (dry)	BAAQMD condition #19684, part23e	N	None	X	
S02	NSPS 40CFR Subpart GG 60.333(a)	Y		0.015% (vol.) @15%O <sub>2</sub> (dry)	NSPS 40 CFR 60.334(h)(3)	N	None	X	
S02	None	Y		None	40 CFR 75.11,40 CFR 75. Appendix D, part 2.3		Fuel measurements, calculations	X	
S02	BAAQMD condition #19684, part 18.6	Y		1.38 lb/hr	BAAQMD condition #19684, part23e	P/Q	Fuel gas Total sulfur content analysis	X	
S02	BAAQMD condition #19684, part 18.6	Y		1.38 lb/hr	BAAQMD condition #19684, part24f	P/A	Source test every 8,000 hrs or every 3yrs, whichever comes first	X	
S02	BAAQMD condition #19684, part 21	Y		32 lb/day	BAAQMD condition #19684, part23e	P/Q	Fuel Gas Total sulfur content analysis	X	
S02	BAAQMD condition #19684, part 21	Y		4.5 tons/year	BAAQMD condition #19684, part23e	P/Q	Fuel gas Total sulfur content analysis	X	
Opacity	BAAQMD 6-1-301	Y		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		X	

## Applicable Limits and Compliance Monitoring Requirements

**Table VII-A**  
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								Yes	No
Opacity	SIP 6-301	Y		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		X	
Opacity	BAAQMD condition #19684, part 18	Y		> Ringelmann No. 1 for no more than 3 minutes in any hour or equivalent 20% opacity		N		X	
FP	BAAQMD 6-1-310	Y		0.15 grain/dscf		N		X	
FP	SIP 6-310	Y		0.15 grain/dscf		N		X	
PM10	BAAQMD condition #19684, part 18.5	Y		3 lb/ hr	BAAQMD condition #19684, part24e	P/A	Source test every 8,000 hrs or every 3 yrs. whichever comes first	X	
PM10	BAAQMD condition #19684, part 21	Y		72 lb/day	BAAQMD condition #19684, parts 23d, 24e	P/A	Source Test every 8,000 hrs or every 3 yrs. whichever comes first	X	
PM10	BAAQMD condition #19684, part 21	Y		13.1 tons/year	BAAQMD condition #19684, part24e	P/A	Source Test every 8,000 hrs or every 3 yrs. whichever comes first	X	

**VII. Applicable Limits and Compliance Monitoring Requirements**

**Table VII - A**  
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**SI - COMBUSTION GAS TURBINE**

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
POC	BAAQMD condition #19684, part 18.4	Y		2ppmv@ 15% O <sub>2</sub> , dry, except during turbine startup or shutdown	BAAQMD condition #19684, part24d	C	Source test every 8,000 hrs or every 3yrs, whichever comes first	X	
POC	BAAQMD condition #19684, part 18.4	Y		2ppmv@ 15% O <sub>2</sub> , dry, except during turbine startup or shutdown	BAAQMD condition #19684, part24d	P/A	Source test every 8,000 hrs or every 3yrs, whichever comes first	X	
POC	BAAQMD condition #19684, part 21	Y		31 lb/calendar day	BAAQMD condition #19684, part24d	P/A	Source test every 8,000 hrs or every 3yrs, whichever comes first	X	
POC	BAAQMD condition #19684, part 21	Y		4.1 ton/year	BAAQMD condition #19684, part24d	P/A	Source test every 8,000 hrs or every 3yrs, whichever comes first	X	
NH <sub>3</sub>	BAAQMD condition #19684, Part 18.2	N		10ppmv@15%O <sub>2</sub> ,dry, except during turbine startup or shutdown	BAAQMD condition #19684, parts 18.2 and 23b	C	Calculation based on source test and NH <sub>3</sub> to NO <sub>x</sub> ratio at inlet to SCR	X	

## Applicable Limits and Compliance Monitoring Requirements

**Table VII - A**  
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								Yes	No
NH3	BAAQMD condition #19684, Part 18.2	N		10ppmv@ 15% O <sub>2</sub> , dry, except during turbine startup or shutdown	BAAQMD condition #19684, part 24b	P/A	Source test every 8,000 hrs or every 3 yrs, whichever comes first	X	
Heat input limit	BAAQMD condition #19684, part 22	Y		500 MM BTU/hr (HHV)	BAAQMD condition #19684, part 23d	C	Fuel meter, firing monitor	X	
Heat input limit	BAAQMD condition #19684, part 22	Y		500MMBTU/hr(HHV)	BAAQMD condition #19684, part 23d	P/M	Fuel composition analysis	X	
Heat input limit	BAAQMD condition #19684, part 22	Y		500 MM BTU/hr (HHV)	BAAQMD condition #19684, part 24g	P/A	Source test every 8,000 hrs or every 3 yrs, whichever comes first	X	
Heat input limit	BAAQMD condition #19684, part 22	Y		12,000 MM BTU/day (HHV)	BAAQMD condition #19684, part 23d	C	fuel meter, firing monitor, calculations	X	
Heat input limit	BAAQMD condition #19684, part 22	Y		12,000 MM BTU/day (HHV)	BAAQMD condition #19684, part 23d	P/Q	Fuel composition analysis	X	
Heat input limit	BAAQMD condition #19684, part 22	Y		4.380,000 MM BTU/yr (HHV)	BAAQMD condition #19684, part 23d	C	fuel meter, firing monitor, calculations	X	

**VII. Applicable Limits and Compliance Monitoring Requirements**

Table VII-A  
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								Yes	No
Heat input limit	BAAQMD condition #19684, part 22	Y		4,380,000 MM BTU/yr (HHV)	BAAQMD condition #19684, part24d	P/Q	Fuel composition analysis	X	
MW				None	BAAQMD condition #19684, part24h	P/A	Source test every 8,000 hrs or every 3 yrs. whichever comes first	X	
Exhaust Gas temperature				None	BAAQMD condition #19684, part24j	P/A	Source test every 8,000 hrs or every 3 yrs. whichever comes first	X	
Stack gas flow rate				None	BAAQMD condition #19684, part24i	P/A	Source test every 8,000 hrs or every 3 yrs. whichever comes first	X	



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								Yes	No
NH3 injection rate				None	BAAQMD condition #19684, part 24k	P/A	Source test District approved correct ammonia slip calculation and correction factor determined by source test with source, test every 8,000 hrs or every 3yrs, whichever comes first	X	
Start-up Period	BAAQMD condition #19684, part 19			60 minutes per start-up	BAAQMD condition #19684, part 30(b)	P/E	Records	X	
Shutdown Period	BAAQMD condition #19684, part 20			30 minutes per shutdown	BAAQMD condition #19684, part 30(b)	P/E	Records	X	
Fuel Sulfur Content	40CFR 60.333(b)	Y		0.8 percent by weight (8000 ppmw) sulfur	40 CFR 60.334(h)(1)	P	Fuel Sulfur Content Testing	X	

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - B**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S2 - 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 Regulation 6-1-301	N		< Ringelmann No. 1 for more than 3 min/hr		N		X	
Opacity	SIP Regulation 6-301	Y		< Ringelmann No. 1 for more than 3 min/hr		N		X	
Particulate Weight	BAAQMD Regulation 6-1-310	N		0.15 grains per dscf		N		X	
Particulate Weight	SIP Regulation 6-310	Y		0.15 grains per dscf		N		X	
Particulate Weight	BAAQMD Regulation 6-1-311	Y		40 lb/hr	N	N		X	
Particulate Weight	SIP Regulation 6-311	Y		40 lb/hr	N	N		X	