Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-3, S-4, S-5, TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance (Intermittent/Continuous)
NO_x	BAAQMD 9-9-301.1.3	N		9 ppmv @ 15% O_2, dry	BAAQMD 9-9-501	C	CEMS	Continuous
	BAAQMD 9-9-301.2	N		0.43 lb/MW-hr or 9 ppmv	BAAQMD 9-9-501	C	CEMS	Continuous
NO_x	SIP 9-9-301.3	Y		9 ppmv @ 15% O_2, dry	BAAQMD 9-9-501 and BAAQMD condition #18102, part 24	C	CEMS	Continuous
	SIP 9-9-301.3	Y		9 ppmv @ 15% O_2, dry	BAAQMD condition #18102, part 25	P	Source testevery 8,000 hrs or every 3 yrs, which ever comes first	Continuous
NO_x	NSPS, 40 CFR 60.332 (a)(1)	Y		99 ppmv @ 15% O_2, dry 4-hour rolling average (Arithmetic average of the average NO_x concentration measured by the CEMS for a given hour and the three unit operating hour average NO_x concentrations immediately preceding that unit operating hour)	NSPS, 40 CFR 60.334 (b)	C	CEMS	Continuous
	None	Y		None	40 CFR 75.10	C	CEMS	Continuous
	BAAQMD condition #18102, part 19.1	Y		5 ppmv @ 15% O_2, dry, 1-hr average except during turbine startup or shutdown	BAAQMD condition #18102, part 19.1, 24	C	CEMS	Continuous
	BAAQMD condition #18102, part 19.1	Y		5 ppmv @ 15% O_2, dry, 1-hr average except during turbine startup or shutdown	BAAQMD condition #18102, part 25	P	Source testevery 8,000 hrs or every 3 yrs, which ever comes first	Continuous
	BAAQMD condition #18102, part 22	Y		604.8 lb/calendar day (as NO_2) for S-3, S-4, and S-5 combined	BAAQMD condition #18102, part 24	C	CEMS	Continuous

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-3, S-4, S-5, TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance (Intermittent/Continuous)
NO_x	BAAQMD condition #18102, part 22	Y		39.5 tons per calendar year (as NO_2) for S-3, S-4, and S-5 combined	BAAQMD condition #18102, part 24	C	CEMS	Continuous
CO	BAAQMD condition #18102, part 19.3	Y		6 ppmv @ 15% O_2, dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #18102, parts 19.3 and 24	C	CEMS	Continuous
	BAAQMD condition #18102, part 19.3	Y		6 ppmv @ 15% O_2, dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #18102, part 25	P	Source testevery 8,000 hrs or every 3 yrs, which ever comes first	Continuous
	BAAQMD condition #18102, part 22	Y		446.1 lb/calendar day for S-3, S-4, and S-5 combined	BAAQMD condition #18102, part 24	C	CEMS	Continuous
CO	BAAQMD condition #18102, part 22	Y		36.0 tons per calendar year for S-3, S-4, and S-5 combined	BAAQMD condition #18102, part 24	C	CEMS	Continuous
CO_2		Y		None	40 CFR 75.10	C	CEMS (CO_2) or CEMS (O_2) or fuel flow monitor	Continuous
SO_2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		Continuous
	BAAQMD 9-1-302	Y		300 ppm (dry)	BAAQMD condition #18102, part 24	P/A	Total sulfur and hydrogen sulfide analysis	Continuous

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-3, S-4, S-5, TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance (Intermittent/Continuous)
SO_2	NSPS 40 CFR 60.333(a) or 60.333(b)	Y		SO_2 in gases exiting turbine ≤ 0.015% (vol.) @15% O_2 (dry) or Total sulfur in fuel combusted in turbines ≤ 0.8% by wt. (8000 ppmw)	NSPS, 40 CFR 60.334 (h)(1)	N		Continuous
SO_2	None	Y		None	40 CFR 75.11, 40 CFR 75, Appendix D, part 2.3		Fuel measure-ments, calculations	Continuous
SO_2	BAAQMD condition #18102, part 19.6	Y		0.33 lb/clock hr for S-3, S-4, and S-5 combined	BAAQMD condition #18102, part 24	P/A	Total sulfur and hydrogen sulfide analysis	Continuous
	BAAQMD condition #18102, part 19.6	Y		0.33 lb/clock hr for S-3, S-4, and S-5 combined	BAAQMD condition #18102, part 25	P	Source testevery 8,000 hrs or every 3 yrs, which ever comes first	Continuous
SO_2	BAAQMD condition #18102, part 22	Y		23.8 lb/calendar day for S-3, S-4, and S-5 combined	BAAQMD condition #18102, part 24	P/A	Total sulfur and hydrogen sulfide analysis	Continuous
	BAAQMD condition #18102, part 22	Y		1.9 tons/calendar year for S-3, S-4, and S-5 combined	BAAQMD condition #18102, part 24	P/A	Total sulfur and hydrogen sulfide analysis	Continuous
	BAAQMD condition #18102, part 23.b	Y		Total sulfur content in natural gas combusted in turbines ≤ 1.0 gr/100 ~~0.25 gr/100~~ scf	BAAQMD condition #18102, part 24.e	P/Q	Analysis of total sulfur content in fuel	Continuous
Opacity	BAAQMD 6-1-301	N		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		Continuous

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-3, S-4, S-5, TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance (Intermittent/Continuous)
Opacity	SIP 6-301	Y		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		Continuous
Opacity	BAAQMD condition #18102, part 18	Y		> Ringelmann No. 1 for no more than 3 minutes in any hour or equivalent 20% opacity		N		Continuous
FP	BAAQMD 6-1-310	N		0.15 grain/dscf		N		Continuous
FP	SIP 6-310	Y		0.15 grain/dscf		N		Continuous
PM_{10}	BAAQMD condition #18102, part 19.5	Y		2.5 lb/clock hr for each turbine, except during turbine startup or shutdown	BAAQMD condition #18102, part 25	P	Source testevery 8,000 hrs or every 3 yrs, which ever comes first	Continuous
PM_{10}	BAAQMD condition #18102, part 22	Y		180 lb/calendar day for S-3, S-4 & S-5 combined	BAAQMD condition #18102, part 25	P	Source Testevery 8,000 hrs or every 3 yrs, which ever comes first, and fuel monitoring	Continuous
PM_{10}	BAAQMD condition #18102, part 22	Y		14.7 tons/year for S-3, S-4 & S-5 combined	BAAQMD condition #18102, part 25	P	Source Testevery 8,000 hrs or every 3 yrs, which ever comes first, and fuel monitoring	Continuous
POC	BAAQMD condition #18102, part 19.4	Y		2 ppmv @ 15% O2, dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #18102, part 19.4	P	Source test every 8,000 hrs or every 3 yrs, which ever comes first	Continuous

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-3, S-4, S-5, TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance (Intermittent/Continuous)
POC	BAAQMD condition #18102, part 19.4	Y		2 ppmv @ 15% O_2, dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #18102, part 25	P	Source test every 8,000 hrs or every 3 yrs, which ever comes first	Continuous
	BAAQMD condition #18102, part 22	Y		84 lb/calendar day for S-3, S-4, and S-5 combined	BAAQMD condition #18102, part 25	P	Source test every 8,000 hrs or every 3 yrs, which ever comes first, and fuel monitoring	Continuous
POC	BAAQMD condition #18102, part 22	Y		6.9 ton/calendar year for S-3, S-4, and S-5 combined	BAAQMD condition #18102, part 25	P	Source test every 8,000 hrs or every 3 yrs, which ever comes first, and fuel monitoring	Continuous
NH3	BAAQMD condition #18102, Part 19.2	N		10 ppmv @ 15% O_2, dry, averaged over 3 hrs except during turbine startup or shutdown	BAAQMD condition #18102, parts 19.2 and 24, 25	C	Ammonia injection rate monitor, calculations, and periodic source testing every 8,000 hrs or every 3 yrs, which ever comes first	Continuous
	BAAQMD condition #18102, Part 19.2	N		10 ppmv @ 15% O_2, dry, averaged over 3 hrs except during turbine startup or shutdown	BAAQMD condition #18102, part 25	P	Source testevery 8,000 hrs or every 3 yrs, which ever comes first	Continuous

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-3, S-4, S-5, TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance (Intermittent/Continuous)
Heat input limit	BAAQMD condition #18102, part 23	Y		500 MM BTU/clock hr (HHV) for each turbine, S-3, S-4, and S-5	BAAQMD condition #18102, part 24d	C	Fuel meter, firing monitor	Continuous
	BAAQMD condition #18102, part 23	Y		500 MM BTU/clock hr (HHV), for each turbine, S-3, S-4, and S-5	BAAQMD condition #18102, part 24d	P/Q	Fuel composition analysis	Continuous
Heat input limit	BAAQMD condition #18102, part 23	Y		500 MM BTU/clock hr (HHV), for each turbine, S-3, S-4, and S-5	BAAQMD condition #18102, part 25	P	Source testevery 8,000 hrs or every 3 yrs, which ever comes first	Continuous
Heat input limit	BAAQMD condition #18102, part 23	Y		12,000 MM BTU/day (HHV) for each turbine, S-3, S-4, and S-5	BAAQMD condition #18102, part 30.a	C	fuel meter, firing monitor, calculations	Continuous
	BAAQMD condition #18102, part 23	Y		12,000 MM BTU/day (HHV) for each turbine, S-3, S-4, and S-5	BAAQMD condition #18102, part 24d	P/Q	Fuel composition analysis	Continuous
Heat input limit	BAAQMD condition #18102, part 23	Y		5,494,300 MM BTU/yr, for S-3, S-4, and S-5, Turbines combined	BAAQMD condition #18102, part 30.a	C	fuel meter, firing monitor, calculations	Continuous
Heat input limit	BAAQMD condition #18102, part 23	Y		5,494,300 MM BTU/yr, for S-3, S-4, and S-5, Turbines combined	BAAQMD condition #18102, part 24d	P/Q	Fuel composition analysis	Continuous
MW				None	BAAQMD condition #18102, part 25	P	Source testevery 8,000 hrs or every 3 yrs, which ever comes first	Continuous
Gas tempe-rature				None	BAAQMD condition #18102, part 25	P	Source testevery 8,000 hrs or every 3 yrs, which ever comes first	Continuous

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-3, S-4, S-5, TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance (Intermittent/Continuous)
Stack gas flow				None	BAAQMD condition #18102, part 25	P	Source testevery 8,000 hrs or every 3 yrs, which ever comes first	Continuous
NH3 injection rate				None	BAAQMD condition #18102, part 25	P/A	Source test every 8,000 hrs or every 3 yrs, which ever comes first	Continuous

Table VII-B
S-100 – 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 (Intermittent/Continuous)
NO_x	BAAQMD 9-9-301.1.2 and 9-9-401	N		≤ 15 ppmv* @ 15% O_2, dry, 3-hr average *corrected for efficiency	9-9-501	C	CEMS	Continuous
NOx	BAAQMD 9-9-301.2	N		≤ 5 ppmv @ 15% O2, dry, 3-hr average or ≤ 0.15 lbs/MWhr	9-9-501	C	CEMS	Continuous
NO_x	SIP 9-9-305 and 9-9-401	Y		≤ 21.0 ppmv* @ 15% O_2, dry, 3-hr average *corrected for efficiency	BAAQMD 9-9-501	C	CEMS	Continuous
	BAAQMD Permit Cond# 2780 part 1a(i)	Y		≤ 25 ppmv @ 15% O_2, 3-hr avg	BAAQMD Permit Condition 2780, part 11	C	CEMS	Continuous
	BAAQMD Permit Cond# 2780, part 1a(ii)	Y		< 5 ppmv @ 15% O2 or 0.15 lb/MW-hr, 3-hr avg.	BAAQMD Permit Condition 2780, part 11	C	CEMS	Continuous

Table VII-B
S-100 – 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 (Intermittent/Continuous)
	BAAQMD Permit Cond# 2780, part 1e	Y		≤ 21.0 ppmv @ 15% O_2, dry, calendar day average	BAAQMD 9-9-501	C	CEMS	Continuous
NO_x	BAAQMD Permit Cond# 2780, part 1f	Y		< 323.7 tons per any twelve consecutive months	BAAQMD 9-9-501	C	CEMS	Continuous
	BAAQMD Permit Cond# 2780, part 1g	Y		< 1876 lb per calendar day	BAAQMD 9-9-501	C	CEMS	Continuous
	BAAQMD permit condition # 21961, part IX-C.	Y		≤ 25 ppmv @ 15% O_2, dry 3-hr average	BAAQMD 9-9-501	C	CEMS	Continuous
NO_x	BAAQMD permit condition # 21961, part IX-C.	Y		Natural Gas or Fuel Oil ≤ 25 ppmv @ 15% O_2, dry 3-hr average	BAAQMD permit condition # 21961, part IX-E.	C	CEMS	Continuous
NO_x	NSPS, 40 CFR 60.332 (a)(1)	Y		82 ppmv @ 15% O_2, dry 4-hour rolling average (Arithmetic average of the average NO_x concentration measured by the CEMS for a given hour and the three unit operating hour average NO_x concentrations immediately preceding that unit operating hour)	NSPS, 40 CFR 60.334 (b) Note: 60.334(c) also applies after the installation of Dry Low NOx Combustors on January 1, 2012	C	CEMS	Continuous
	None	Y		None	40 CFR 75.10	C	CEMS	Continuous

Table VII-B
S-100 – 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 (Intermittent/Continuous)
POC	BAAQMD Permit Condition 2780, part 6	Y		< 40 TPY NMHC for S-100, S-101, S-102		N		Continuous
SO_2	None	Y		None	40 CFR 75.11, 40 CFR 75, Appendix D, part 2.3		Fuel measure-ments, calculations	Continuous
SO_2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		Continuous
SO_2	BAAQMD 9-1-302	Y		300 ppm (dry)		N		Continuous
SO_2	NSPS 40 CFR 60.333 (a) or 60.333(b)	Y		SO_2 in gases exiting turbine ≤ 0.015% (vol.) @15% O_2 (dry) or Total sulfur in fuel combusted in turbines ≤ 0.8% by wt. (8000 ppmw)	NSPS, 40 CFR 60.334 (h)(1)	N		Continuous
Opacity	BAAQMD 6-1-301	N		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		Continuous
Opacity	BAAQMD 6-301	Y		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		Continuous
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @6% O_2		N		Continuous
FP	SIP 6-310.3	Y		0.15 grain/dscf @6% O_2		N		Continuous
FP	BAAQMD Permit Condition 2780, part 6	Y		< 25 TPY total FP for S-100, S-101, S-102		N		Continuous
CO_2		Y		None	40 CFR 75.10	C	CEMS (CO_2) or CEMS (O_2) or fuel flow monitor	Continuous

Table VII-B
S-100 – 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 (Intermittent/Continuous)
Carbon Monoxide	BAAQMD Permit Condition 2780, part 3b	Y		emissions < 100 tons/yr (for S-100, S-101, and S-102)	BAAQMD Permit Condition 2780, part 11	C	CEMS	Continuous
Carbon Monoxide	BAAQMD Permit Condition 2780, part 3c	Y		10 ppmvd @ 15% O_2, 3-hr average, except during startup, shutdown, operation at < 80% load, and operation at low ambient temperature	BAAQMD Permit Condition 2780, part 11	C	CEMS	Continuous
Carbon Monoxide	BAAQMD Permit Condition 2780, part 3d	Y		< 14670 lbs. CO during startups and shutdowns per any consecutive 12-month period	BAAQMD Permit Condition 2780, part 11	C	CEMS	Continuous
	BAAQMD Permit Condition 2780, part 3e	Y		< 750 hours of operation at < 80% load per any consecutive 12-month period	BAAQMD Permit Condition 2780, part 11	C	CEMS	Continuous
Carbon Monoxide	BAAQMD Permit Condition 2780, part 3e	Y		< 14.8 tons CO during operation at < 80% load per any consecutive 12-month period	BAAQMD Permit Condition 2780, part 11	C	CEMS	Continuous
Carbon Monoxide	BAAQMD Permit Condition 2780, part 3f	Y		< 100 hours of operation at ambient temperatures < 35° F. per any consecutive 12-month period	BAAQMD Permit Condition 2780, part 11	C	CEMS	Continuous
Carbon Monoxide	BAAQMD Permit Condition 2780, part 3f	Y		15 ppmvd @ 15% O_2, 1-hr average, during operation at low ambient temperature	BAAQMD Permit Condition 2780, part 11	C	CEMS	Continuous

† Ground Level Concentration

Table VII-C
S-101, S-102 – BOILERS

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance (Intermittent/Continuous)
NO_x	BAAQMD 9-7-301.1	N		30 ppmv @3%O_2, dry, 3-hr average	BAAQMD Permit Condition 2780, part 11	C	CEMS	Continuous
	SIP 9-7-301.1	Y		30 ppmv @3%O_2, dry, 3-hr average	BAAQMD Permit Condition 2780, part 11, BAAQMD 1-520.1	C	CEMS	Continuous
	BAAQMD 9-7-307.6	N		5 ppmv @3%O_2, dry, 3-hr average	BAAQMD Permit Condition 2780, part 11, BAAQMD Condition 25512 part 3, BAAQMD 1-520.1	C	CEMS	Continuous
NO_x	BAAQMD Permit Condition 2780, part 4	Y		40 ppmv @ 3%O_2, dry,, 3-hr average	BAAQMD Permit Condition 2780, part 11	C	CEMS	Continuous
	BAAQMD permit condition #21961, part IX-C	Y		$\leq$ 40 ppmv @ 3% O_2, dry, 3-hr average	BAAQMD permit condition # 21961, part IX-D.	C	CEMS	Continuous
	BAAQMD Condition 25512 part 2	N		5 ppmv @3%O_2, dry, 3-hr average	BAAQMD Condition 25512 part 3	C	CEMS	Continuous
NO_x	NSPS 60.44b(a)	Y		0.2 lb/MM Btu, averaged over 24 hrs		N		Continuous
CO	BAAQMD 9-7-301.4	N		400 ppmv @ 3% O_2, dry, 3-hr average		N		Continuous
CO	SIP 9-7-301.2	Y		400 ppmv @ 3% O_2, dry, 3-hr average		N		Continuous

Table VII-C
S-101, S-102 – BOILERS

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance (Intermittent/Continuous)
	BAAQMD Permit Condition 2780, part 3b	Y		< 100 tons per year, for S-100, S-101, and S-102	BAAQMD Permit Condition 2780, part 11	C	CEMS	Continuous
SO_2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		Continuous
	BAAQMD 9-1-302	Y		300 ppm (dry)		N		Continuous
Opacity	BAAQMD 6-1-301	N		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		Continuous
Opacity	SIP 6-301	Y		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		Continuous
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O_2		N		Continuous
FP	SIP 6-310.3	Y		0.15 grain/dscf @ 6% O_2		N		Continuous
FP	BAAQMD Permit Condition 2780, part 6	Y		< 25 TPY FP for S-100, S-101, S-102		N		Continuous
POC	BAAQMD Permit Condition 2780, part 6	Y		< 40 TPY NMHC for S-100, S-101, S-102		N		Continuous
NH3	BAAQMD Condition 25512 part 4	N		10 ppm @ 3 % O2	BAAQMD Condition 25512 part 5	P	Annual source test	Continuous
Hours of operation	BAAQMD Permit Condition 2780, part 18	Y		Simultaneous use with the gas turbine < combined total of 28 boiler hours/day or 3950 boiler hours/year	none	P/E	Record-keeping	Continuous
Hours of operation	BAAQMD Condition 25512 part 6	N		15,800 hours combined for S-101 and S-102	none	P/E	Record-keeping	Continuous

Table VII-D
S-104 – 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 (Intermittent/Continuous)
Opacity	BAAQMD 6-1-301	N		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		Continuous
Opacity	SIP 6-301	Y		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		Continuous
FP	BAAQMD 6-1-310	N		0.15 grain/dscf		N		Continuous
FP	SIP 6-310	Y		0.15 grain/dscf		N		Continuous
	BAAQMD 6-1-311	Y		40 lbs/hr		N		Continuous
	SIP 6-311	Y		40 lbs/hr		N		Continuous