SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT
SAN JOSE CA BAAQMD PERMIT #778
SEMI-ANNUAL MONITORING REPORT
REPORTING PERIOD: 9/1/2014 through 2/28/2015

annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E), 8760 hrs of operation (8760 hrs)

Table VII— A

Applicable Limits and Compliance Monitoring Requirements

S-5, Stationary Internal Combustion Engine, Plt E2, Location P&E — Power and Air
S-6, Stationary Internal Combustion Engine, Plt E3, Location P&E
S-7, Stationary Internal Combustion Engine, Plt E5, Location P&E

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency ((P/C/N)	RESULTS
NO_x	BAAQMD Regulation 9-8-302.1	Y		70 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Condition 17898, Part 10.b	P/ 8760 hrs	S5<70 S6<70 S7<70
NO_x	BAAQMD Regulation 9-8-302.1	N		140 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Regulation 9-8-503	Quarterly portable analyzer	S5<70 S6<70 S7<70
CO	BAAQMD Regulation 9-8-302.3	Y		2000 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Condition 17898, Part 10.b	P/ 8760 hrs	S5<2000 S6<2000 S7<2000
CO	BAAQMD Regulation 9-8-302.1	Y		2000 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Regulation 9-8-503	Quarterly portable analyzer	S5<2000 S6<2000 S7<2000
NMHC	BAAQMD Condition 17898 Part 4	Y		250 ppmv for Digester gas @ 15% O_2, dry 120 ppm for Landfill gas @ 3% O2 dry	BAAQMD Condition 17898, Part 10c	P/ 8760 hrs	S5<120 S6<120 S7<120 N.O.V. A54129
Diesel Sulfur Content	BAAQMD Regulation 9-1-304			0.5% by weight	BAAQMD Condition 17898, Part 8	P/E	CARB dyed 15ppm sulfur verified on delivery receipt
SO_2	BAAQMD Regulation 9-1-302	Y		300 ppmv	BAAQMD Condition 17741, Part 4	P/W	S9<300 S10<300 S11<300
Key Parameter	BAAQMD Regulation 8-34-509	Y		Cylinder Temperature >600 degrees F	BAAQMD Condition 17898, Part 9a	Continuous	S5 >600 F S6 >600 F S7 >600 F
Gas Flow	BAAQMD Regulation 8-34-508	Y		Record Every 5 Minutes	BAAQMD Condition 17898, Part 8a	P/15 minutes	S5 Recorded every 5 minutes S6 Recorded every 5 minutes S7 Recorded every 5 minutes
Heat Input	BAAQMD Condition 17898 Part 5	Y		Not to exceed: S5: 240 mmBTU/per day S6: 240 mmBTU/per day S7: 552mmBTU/per day	BAAQMD Condition 17898, Parts 8 and 11	P/M	S5 <240 mmBTU/per day S6 <240 mmBTU/per day S7 <552mmBTU/per day
Landfill Gas Leak Detection	BAAQMD Regulation 8-34-301.2	Y		1000 ppmv	BAAQMD Regulation 8-34-503	P/W	All values <1 000 ppmv

SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT
SAN JOSE CA BAAQMD PERMIT #778
SEMI-ANNUAL MONITORING REPORT
REPORTING PERIOD: 9/1/2014 through 2/28/2015

annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E), 8760 hrs of operation (8760 hrs)

Table VII— B

Applicable Limits and Compliance Monitoring Requirements — Power and Air

S-9, Stationary Internal Combustion Engine, Plt A3, Location SBC
S-10, Stationary Internal Combustion Engine, Plt A2, Location SBC
S-11, Stationary Internal Combustion Engine, Plt A1, Location SBC
S-12, Stationary Internal Combustion Engine, Plt B1, Location SBC
S-13, Stationary Internal Combustion Engine, Plt B2, Location SBC
S-14, Stationary Internal Combustion Engine, Plt B3, Location SBC

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency ((P/C/N)	RESULTS
NO_x	BAAQMD Regulation 9-8-302.1	Y		70 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Condition 17899, Part 9	P/ 8760 hrs	S9<70 S10<70 S11<70 S12<70 S13<70 S14<70
NO_x	BAAQMD Regulation 9-8-302.1	N		70 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Regulation 9-8-503	Quarterly portable analyzer	S9<70 S10<70 S11<70 S12<70 S13<70 S14<70
CO	BAAQMD Regulation 9-8-302.3	Y		2000 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Condition 17899, Part 9	P/ 8760 hrs	S9<2000 S10<2000 S11<2000 S12<2000 S13<2000 S14<2000
CO	BAAQMD Regulation 9-8-302.3	N		2000 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Regulation 9-8-503	Quarterly portable analyzer	S9<2000 S10<2000 S11<2000 S12<2000 S13<2000 S14<2000
NMHC	BAAQMD Condition 17899, Part 4	Y		250 ppmv for Digester gas @ 15% O_2, dry 120 ppm for Landfill gas @ 3% O2 dry	BAAQMD Condition 17899, Part 9	P/ 8760 hrs	S9<120 S10<120 S11<120 S12<120 S13<120 S14<120
SO_2	BAAQMD Regulation 9-1-302	Y		300 ppmv	BAAQMD Condition 17741, Part 4	P/W	S9<300 S10<300 S11<300 S12<300 S13<300 S14<300
Key Parameter	BAAQMD Regulation 8-34-509	Y		Cylinder Temperature >600 degrees F	BAAQMD Condition 17898, Part 9a	Continuous	S9 >600 F S10 >600 F S11 >600 F S12 >600 F S13 >600 F S14 >600 F
Gas Flow	BAAQMD Regulation 8-34-508	Y		Record Every 5 Minutes	BAAQMD Condition 17898, Part 8a	P/15 minutes	S9 Recorded every 5 minutes S10 Recorded every 5 minutes S11 Recorded every 5 minutes S12 Recorded every 5 minutes S13 Recorded every 5 minutes S14 Recorded every 5 minutes

SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT
SAN JOSE CA BAAQMD PERMIT #778
SEMI-ANNUAL MONITORING REPORT
REPORTING PERIOD: 9/1/2014 through 2/28/2015

annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E), 8760 hrs of operation (8760 hrs)

Table VII— B (cont.)

Applicable Limits and Compliance Monitoring Requirements — Power and Air

S-9, Stationary Internal Combustion Engine, Plt A3, Location SBC
S-10, Stationary Internal Combustion Engine, Plt A2, Location SBC
S-11, Stationary Internal Combustion Engine, Plt A1, Location SBC
S-12, Stationary Internal Combustion Engine, Plt B1, Location SBC
S-13, Stationary Internal Combustion Engine, Plt B2, Location SBC
S-14, Stationary Internal Combustion Engine, Plt B3, Location SBC

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency ((P/C/N)	RESULTS
Heat Input	BAAQMD Condition 17899 Part 5	Y		Not to exceed S9: 525.4 MM Btu/per day S10: 525.4 MM Btu/per day S11: 525.4 MM Btu/per day S12: 415.5 MM Btu/per day S13: 415.5 MM Btu/per day S14: 415.5 MM Btu/per day	BAAQMD Condition 17899, Part 7	P/M	S9<525 4 S10<525 4 S11<525 4 S12<415 5 S13<415 5 S14<415 5
Landfill Gas Leak Detection	BAAQMD Regulation 8-34-301.2	Y		1000 ppmv	BAAQMD Regulation 8-34-503	P/W	All values <1,000 ppmv

Table VII— C

Applicable Limits and Compliance Monitoring Requirements — Paint and Sand Blasting

S-15, Paint Spray Booth
S-16, Paint Spray Booth

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency ((P/C/N)	Results
Coating Throughput	BAAQMD Condition 17737 Part 1	Y		Coatings 50 gal/12 months	BAAQMD Condition 17737 Part 3	P/D	S15<50 gals of coatings used in last 12 months S-16<50 gals of coatings used in last 12 months
Primer Throughput	BAAQMD Condition 17737 Part 1	Y		Primer 50 gal/12 months	BAAQMD Condition 17737 Part 3	P/D	S15<50 gals of primer used in last 12 months S-16<50 gals of primer used in last 12 months
Solvent Throughput	BAAQMD Condition 17737 Part 2	Y		Methyl Ethyl Ketone 50 gal/12 months Mineral Spirits 50 gal/12 months	BAAQMD Condition 17737 Part 3	P/D	S15<50 gals of each solvent used in last 12 months S-16 <50 gals of each solvent used in last 12 months
VOC	BAAQMD Regulation 8-19-301.1	Y		Baked Coating 2.3 lb/gal max VOC	BAAQMD Regulation 8-19-501	P/W	No baked coatings used.
VOC	BAAQMD Regulation 8-19-301.1	Y		Air Dried Coating 2.8 lb/gal max VOC	BAAQMD Regulation 8-19-501	P/W	VOC content of each coating used is less than 2 8 lb/gal

Table VII— D

Applicable Limits and Compliance Monitoring Requirements

S-26, Gasoline Dispensing Island — MCC

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency ((P/C/N)	Results
Gasoline Throughput	BAAQMD Condition 17738 Part 1	N		50,000 gallons	BAAQMD Condition 17738, Part 2	P/D	Gallons <50 000 gallons

SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT
SAN JOSE CA BAAQMD PERMIT #778
SEMI-ANNUAL MONITORING REPORT
REPORTING PERIOD: 9/1/2014 through 2/28/2015

annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E), 8760 hrs of operation (8760 hrs)

Table VII— E

Applicable Limits and Compliance Monitoring Requirements

S-36, Engine Generator 1 - Cogen Unit, Plt EG2
S-37, Engine Generator 2 - Cogen Unit, Plt EG3

Power and Air

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency ((P/C/N)	RESULTS
NO_x	BAAQMD Regulation 9-8-302.1	Y		70 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Condition 17900, Part 10	P/ 8760 hrs	S36<70 S37<70
NO_x	BAAQMD Regulation 9-8-302.1	N		70 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Regulation 9-8-503	Quarterly portable analyzer	S36<70 S37<70
NO_x	BAAQMD Condition 17900 Part 2	Y		1.8 gram/bhp-hr	BAAQMD Condition 17900 Part 10	P/ 8760 hrs	S36<1 8 S37<1 8
NO_x	BAAQMD Condition 17900 Part 16	Y		774 lb/24 hours combined emissions from S-36, S-37, S-38 and S-39	BAAQMD Condition 17900 Part 18	P/M	combined emissions < than 774 lb/ 24 hr period
CO	BAAQMD Regulation 9-8-302.3	Y		2000 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Condition 17900, Part 10	P/ 8760 hrs	S36<2000 S37<2000
CO	BAAQMD Regulation 9-8-302.3	N		2000 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Regulation 9-8-503	Quarterly portable analyzer	S36<2000 S37<2000
CO	BAAQMD Condition 17900 Part 3	Y		546 lb/24 hr period	BAAQMD Condition 17900 Part 10	P/ 8760 hrs	S-36<546 S-37< 546
SO_2	BAAQMD Regulation 9-1-302	Y		300 ppmv	BAAQMD Condition 17741, Part 4	P/W	S36<300 S37<300
SO_2	BAAQMD Condition 17900 Part 17	Y		150 lb/24 hours combined emissions from S-36, S-37, S-38 and S-39	BAAQMD Condition 17900 Part 18	P/M	Combined SO2 <150
FP	BAAQMD Condition, 17900 Part 4	Y		36.4 lb/24 hr period	BAAQMD Condition ,17900 Part 10	P/ 8760 hrs	S36<36 4 S37<36 4
NMHC	BAAQMD Condition 17900 part 5a	Y		87.8 lb/24 hr period	BAAQMD Condition 17900 Part 10.c	P/ 8760 hrs	S36<87 8 S37<87 8
NMHC	BAAQMD Condition 17900 Part 5b.	Y		120 ppm for Landfill gas ,@ 3% O2 dry	BAAQMD Condition 17900 Part 10.c	P/ 8760 hrs	S36<120 S37<120

SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT
SAN JOSE CA BAAQMD PERMIT #778
SEMI-ANNUAL MONITORING REPORT
REPORTING PERIOD: 9/1/2014 through 2/28/2015

annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E), 8760 hrs of operation (8760 hrs)

Table VII— E (cont.)

Applicable Limits and Compliance Monitoring Requirements

S-36, Engine Generator 1 - Cogen Unit, Plt EG2 — Power and Air
S-37, Engine Generator 2 - Cogen Unit, Plt EG3

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency ((P/C/N)	RESULTS
Heat Input	BAAQMD Condition 17900 Part 6	Y		Not to exceed S36: 792 MM Btu/per day S37: 792 MM Btu/per day	BAAQMD Condition 17900 Part 18	P/M	S36<792 S37<792
Key Parameter	BAAQMD Regulation 8-34-509	Y		Cylinder Temperature >600 degrees F	BAAQMD Condition 17900 Part 9a	Continuous	S36 >600 F S37 >600 F
Gas Flow	BAAQMD Regulation 8-34-508	Y		Record Every 5 Minutes	BAAQMD Condition 17900 Part 8a	P/15 minutes	S36 Recorded every 5 minutes S37 Recorded every 5 minutes
Landfill Gas Leak Detection	BAAQMD Regulation 8-34-301.2	Y		1000 ppmv	BAAQMD Regulation 8-34-503	P/W	All values <1 000 ppmv

Table VII— F

Applicable Limits and Compliance Monitoring Requirements

S-38, Commercial Boiler, 12.5 MM BTU/hr — Power and Air
S-39, Commercial Boiler, 12.5 MM BTU/hr

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency ((P/C/N)	RESULTS
NO_x	BAAQMD Regulation 9-7-301.1	Y		30 ppmv, dry @ 3% O_2	BAAQMD Condition 17900 Part 19	P/A	S38<30 S39<30
NO_x	BAAQMD Condition 17900 Part16	Y		774lbs/24hr combined emissions from S-36-37-38,and 39	BAAQMD Condition 17900 Part 18	P/M	combined emissions < than 774 lb/ 24 hr period
CO	BAAQMD Regulation 9-7-301.3	Y		400 ppmv, dry @ 3% O_2	BAAQMD Condition 17900, Part 19	P/A	S38<400 S39<400
SO_2	BAAQMD Regulation 9-1-302	Y		300 ppm	BAAQMD Condition 17741, Part 4	P/W	S38<300 S39<300
SO_2	BAAQMD Condition 17900, Part 17	Y		150lb/24 hr combined emissions from S-36-37-38, and 39	BAAQMD Condition 17900 Part 18	P/M	combined emissions < 150 lb/ 24hr
Heat Input	BAAQMD Condition 17900, Part 15	Y		Not to exceed S38: 12.5 MM Btu/hr S39: 12.5 MM Btu/hr	BAAQMD Condition 17900 Part 18	P/M	S-38 >12 5 for 80 hrs S 39<12.5

Table VII— G

Applicable Limits and Compliance Monitoring Requirements

S-52, Sand Blast Operations — Paint & Sand Blasting

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency ((P/C/N)	RESULTS
Usage	BAAQMD Condition 9055 Part 1	Y		30 tons/12 months	BAAQMD Condition 9055 Part 2	P/M	<30 tons in past 12 months

SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT
SAN JOSE CA BAAQMD PERMIT #778
SEMI-ANNUAL MONITORING REPORT
REPORTING PERIOD: 9/1/2014 through 2/28/2015

annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E), 8760 hrs of operation (8760 hrs)

Table VII— H

Applicable Limits and Compliance Monitoring Requirements

S-54, Engine Generator, 12 - Cylinder Turbocharged LSVB, Plt EG1 Power and Air

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency ((P/C/N)	RESULTS
NO_x	BAAQMD Regulation 9-8-302.1	Y		70 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Condition 17901 Part 14	P/ 8760 hrs	S54<70
NO_x	BAAQMD Regulation 9-8-302.1	N		70 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Regulation 9-8-503	Quarterly portable analyzer	S54<70
NO_x	BAAQMD Condition 17901 Part 5	Y		1.0 gram/bhp-hr	BAAQMD Condition 17901 Part 14.b	P/ 8760 hrs	S54<1 0
NO_x	BAAQMD Condition 17901 Part 9	Y		36.2 tons/yr	BAAQMD Condition 17901 Part 15	P/D & P/M	S54<36 2
CO	BAAQMD Regulation 9-8-302.3	Y		2000 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Condition 17900, Part 14	P/ 8760 hrs	S54<2000
CO	BAAQMD Regulation 9-8-302.3	N		2000 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Regulation 9-8-503	Quarterly portable analyzer	S54<2000
CO	BAAQMD Condition 17901, Part 6	Y		3 3 grams/bhp-hr	BAAQMD Condition 17900 Part 14	P/ 8760 hrs	S54<3 3
CO	BAAQMD Condition 17901 Part 9	Y		119.4 tons/yr	BAAQMD Condition 17901 Part 15	P/D & P/M	S54<119 4
NMHC	BAAQMD Condition 17901 Part 7a	Y		0.8 grams/bhp-hr	BAAQMD Condition 17901 Part 14c	P/ 8760 hrs	S54<0 8
NMHC	BAAQMD Condition 17901 Part 7b.	Y		120 ppm for Landfill gas .@ 3% O2 dry	BAAQMD Condition 17901 Part 14c	P/ 8760 hrs	S54<120
NMHC	BAAQMD Condition 17901 Part 9	Y		28.9 tons/yr	BAAQMD Condition 17901 Part 15	P/D & P/M	S54<28 9
Heat Input	BAAQMD Condition 17901 Part 2	Y		Not to exceed S54: 763 MM Btu/per day	BAAQMD Condition 17901 Part 18	P/M	S54<763
Key Parameter	BAAQMD Regulation 8-34-509	Y		Cylinder Temperature >600 degrees F	BAAQMD Condition 17901 Part 13a	Continuous	S54 >600 F

SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT
SAN JOSE CA BAAQMD PERMIT #778
SEMI-ANNUAL MONITORING REPORT
REPORTING PERIOD: 9/1/2014 through 2/28/2015

annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E), 8760 hrs of operation (8760 hrs)

Table VII— H (cont.)

Applicable Limits and Compliance Monitoring Requirements

S-54, Engine Generator, 12 - Cylinder Turbocharged LSVB, Plt EG1 — Power and Air

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency ((P/C/N)	RESULTS
Gas Flow	BAAQMD Regulation 8-34-508	Y		Record Every 5 Minutes	BAAQMD Condition 17901 Part 12a	P/15 minutes	S54 Recorded every 5 minutes
SO_2	BAAQMD Regulation 9-1-302	Y		300 ppm	BAAQMD Condition 17741, Part 4	P/W	S54<300
SO_2	BAAQMD Condition 17901 Part 9	Y		7.2 tons/yr	BAAQMD Condition 17901 Part 15	P/D & P/M	S54<7 2
Diesel Sulfur Content	BAAQMD Regulation 9-1-304			0.5% by weight	BAAQMD Condition 17901 Part 4	P/E	CARB dyed 15ppm sulfur verified on delivery receipt
FP	BAAQMD Condition 17901, Part 8	Y		0.085 grams/bhp-hr	BAAQMD Condition 17901, Part 14	P/A	S54<0 085
FP	BAAQMD Condition 17901, Part 9	Y		3.1 tons/yr	BAAQMD Condition 17901, Part 15	P/D & P/M	S54<3 1
Landfill Gas Leak Detection	BAAQMD Regulation 8-34-301.2	Y		1000 ppmv	BAAQMD Regulation 8-34-503	P/W	All values <1 000 ppmv

Table VII— I

Applicable Limits and Compliance Monitoring Requirements

S-55, IC Engine Bldg 40 500 KW — Power and Air
S-56, IC Engine Bldg CL 250 KW — Power and Air
S-57, IC Engine P&E, 500 KW — Power and Air

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency ((P/C/N)	RESULTS
Reliability-Related Hours	BAAQMD Condition 22820 Part 1	N		20 hrs/yr	BAAQMD Condition 22820 Parts 3 & 4	P/M	S-55<20 S-56<20 S-57<20

Table VII— J

Applicable Limits and Compliance Monitoring Requirements

S-100, Municipal wastewater Treatment Plant — R&R (Water)

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency ((P/C/N)	RESULTS
Wastewater Throughput	BAAQMD Condition 17740 Part 1	Y		167 MGD design 360 MGD peak wet	BAAQMD Condition 17740 Part 2	P/W	<167

Table VII— K

Applicable Limits and Compliance Monitoring Requirements

S-210, Anaerobic Digesters — Air Compliance

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency ((P/C/N)	Results
Digester Gas Sulfur Content	BAAQMD Condition 17741, Part 3	Y		350 ppm	BAAQMD Condition 17741 Part 4	P/W	<350 RCA # 08S53