



Environmental Services Department
San Jose-Santa Clara Regional Wastewater Facility

September 30, 2020

Mr. Jeffrey Gove
Director of Enforcement
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105

TV Tracking #: 49

1. RECEIVED IN 09/30/2020
ENFORCEMENT: _____

Re: Title V Semi-Annual Report
March 1st, 2020 to August 31st, 2020
San Jose/Santa Clara Regional Wastewater Facility
700 Los Esteros Road, San Jose, CA 95134
Facility No. A0778

Dear Mr. Gove:

This letter and the attached table comprise Title V Semi-annual report for the San Jose-Santa Clara Regional Wastewater Facility (RWF) covering the period from March 1st, 2020 through August 31st, 2020. The RWF was in compliance with all applicable requirements during the reporting period.

A summary of compliance provisions is included in the attached table. The basis for the compliance determination is listed in the Results column. The monitoring data, source test reports, and records that validate the complete compliance record are available for inspection on site. If there are any questions, or if additional information is required, please contact Jason Nettleton, Air Compliance Manager, at (408) 635-4036.

Based on information and belief formed after reasonable inquiry, I certify that the information presented in this Semi-Annual Report is true, accurate, and complete.

Sincerely,

Amit Mutsuddy
Deputy Director
Regional Wastewater Facility

Enclosures:

1. Semi-Annual Report Table

**SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT
SAN JOSE CA BAAQMD PERMIT #778
SEMI-ANNUAL MONITORING REPORT
REPORTING PERIOD: 3/1/2020 -- 8/31/2020**

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

S-7, Stationary Internal Combustion Engine, Plt E5, Location P&E

*Note: E2 (S-5) Decommissioned on 2/23/2017; E5 (S-7) Decommissioned on 2/25/2017.

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Table VII— B

Applicable Limits and Compliance Monitoring Requirements

- 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	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.b	P/ 8760 hrs.	S-9 Date: 4/12/19	Result: 37.3 ppm	Hours: 2946	S-10 Date: 2/27/20	Result: 13.4 ppm	Hours: 1275	S-11 Date: 6/21/18	Result: 19.0 ppm	Hours: 7252	S-12 Date: 9/29/15	Result: 54.0 ppm	Hours: 8349	S-13 Date: 4/12/19	Result: 11.4 ppm	Hours: 7816	S-14 Date: 9/10/19	Result: 20.0 ppm	Hours: 3217
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	S-9 Date: 8/7/20	Result: 42 ppm	S-10 Date: 7/27/20	Result: 25 ppm	S-11 Date: 8/5/20	Result: 41 ppm	S-12 Date: 8/11/20	Result: 17 ppm	S-13 Date: 8/13/20	Result: 33 ppm	S-14 Date: 7/27/20	Result: 23 ppm						
CO	BAAQMD Condition 17899, Part 3	Y	1620 ppmv @ 15% O ₂ , dry (waste gas combustion)	BAAQMD Condition 17899, Part 9.b	P/ 8760 hrs.	S-9 Date: 4/12/19	Result: 244.0 ppm	Hours: 2946	S-10 Date: 2/27/20	Result: 262.0 ppm	Hours: 1275	S-11 Date: 6/21/18	Result: 319.9 ppm	Hours: 7252	S-12 Date: 9/29/15	Result: 291.0 ppm	Hours: 8349	S-13 Date: 4/12/19	Result: 543.0 ppm	Hours: 7816	S-14 Date: 9/10/19	Result: 334.0 ppm	Hours: 3217
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	S-9 Date: 8/7/20	Result: 235 ppm	S-10 Date: 7/27/20	Result: 293 ppm	S-11 Date: 8/5/20	Result: 268 ppm	S-12 Date: 8/11/20	Result: 369 ppm	S-13 Date: 8/13/20	Result: 362 ppm	S-14 Date: 7/27/20	Result: 340 ppm						
NMHC	BAAQMD Condition 17899, Part 4	Y	225 ppmv for Digester gas @ 15% O ₂ , dry 108 ppm for Landfill gas @ 3% O ₂ dry	BAAQMD Condition 17899, Part 9.b&c	P/ 8760 hrs.	S-9 Date: 4/12/19	Result: 35.3 ppm	Hours: 2946	S-10 Date: 2/27/20	Result: 18.1 ppm	Hours: 1275	S-11 Date: 6/21/18	Result: 67.5 ppm	Hours: 7252	S-12 Date: 9/29/15	Result: 64.0 ppm	Hours: 8349	S-13 Date: 4/12/19	Result: 85.9 ppm	Hours: 7816	S-14 Date: 9/10/19	Result: 39.4 ppm	Hours: 3217
SO ₂	BAAQMD Regulation 9-1-302	Y	300 ppmv outlet SO ₂ 350 ppmv TRS digester gas	BAAQMD Condition 17741, Part 4	P/D	S210 Date: 7/27/20	Result: 247 ppm	<i>Note: Max. value for a day during this reporting period.</i>															
Key Parameter	BAAQMD Regulation 8-34-509	Y	Cylinder Temperature >600 degrees F	BAAQMD Condition 17898, Part 8a	Continuous	S-9, S-10, S-11, S-12, S-13 and S-14: No data to report.						<i>Note: None of the sources listed above combusted landfill gas for this reporting period.</i>											
Gas Flow	BAAQMD Regulation 8-34-508	Y	Record Every 5 Minutes	BAAQMD Condition 17898, Part 7a	P/15 minutes	S-9, S-10, S-11, S-12, S-13 and S-14: Flows are recorded continuously.																	

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Table VII— B (cont.)

Applicable Limits and Compliance Monitoring Requirements

- 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	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	RESULTS		
Heat Input	BAAQMD Condition 17899 Part 5	Y	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 5	P/M	S-9 Date: 5/19/20	Result: 450.2 MM Btu/day	(Max.)
						S-10 Date: 3/17/20	Result: 424.8 MM Btu/day	(Max.)
						S-11 Date: 4/23/20	Result: 472.5 MM Btu/day	(Max.)
						S-12 Date: 3/19/20	Result: 364.5 MM Btu/day	(Max.)
						S-13 Date: 4/22/20	Result: 347.7 MM Btu/day	(Max.)
						S-14 Date: 4/22/20	Result: 378.5 MM Btu/day	(Max.)
						<i>Note: Max. value for a day during this reporting period.</i>		

Table VII— C

Applicable Limits and Compliance Monitoring Requirements

- S-15, Paint Spray Booth
- S-71, Paint Spray Booth (Formerly S-15 until October 2019)

Type of Limit	Citation for Limit	FE Y/N	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	S-71 Date: 8/31/20	Result: 9 Gal./12 months	
						S-16 Date: 8/31/20	Result: 0 Gal./12 months	
Primer Throughput	BAAQMD Condition 17737 Part 1	Y	Primer 50 gal/12 months	BAAQMD Condition 17737 Part 3	P/D	S-71 Date: 8/31/20	Result: 5 Gal./12 months	
						S-16 Date: 8/31/20	Result: 0 Gal./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	S-71 Date: 8/31/20	Result: 9 Gal./12 months	
						S-16 Date: 8/31/20	Result: 31 Gal./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. (Paint Shop has MSDS)		

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Table VII— D

**Applicable Limits and Compliance Monitoring Requirements
 S-26, Gasoline Dispensing Island**

Type of Limit	Citation for Limit	FE Y/N	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	S-26 Date: 8/31/20 Volume: 11,064 Gal./12-Mo.
Fugitive Emissions	BAAQMD Condition 24298 Part 3		< 3 drops/minute - liquids < 100 % of LEL - vapor	BAAQMD Condition 24298 Part 4	P/A	S-26 Date: 8/14/20 Result: Pass
Dispensing Rates	BAAQMD Condition 24298 Part 7		Dispensing rate between 6 and 10 gpm	BAAQMD Condition 24298 Part 4	P/A	S-26 Date: 8/14/20 Result: Pass

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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

Type of Limit	Citation for Limit	FE Y/N	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.	S-36 S-37	Date: 9/13/17 Date: 10/5/19	Result: 23.7 ppm Result: 44.2 ppm	Hours: 2642 Hours: 5713
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	S-36 S-37	Date: 7/30/20 Date: 8/5/20	Result: 26.9 ppm Result: 43.0 ppm	
NO _x	BAAQMD Condition 17900 Part 2	Y	1.6 gram/bhp-hr	BAAQMD Condition 17900 Part 10.b	P/ 8760 hrs.	S-36 S-37	Date: 9/13/17 Date: 10/5/19	Result: 0.04 g/bhp-hr Result: 0.77 g/bhp-hr	Hours: 2642 Hours: 5713
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	S-36 S-37 S-38 S-39	Date: 5/19/20	Result: 143.6 lb/day	
								<i>Note: Max. value for a day during this reporting period.</i>	
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.	S-36 S-37	Date: 9/13/17 Date: 10/5/19	Result: 221.4 ppm Result: 282.7 ppm	Hours: 2642 Hours: 5713
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	S-36 S-37	Date: 7/30/20 Date: 8/5/20	Result: 332.5 ppm Result: 252.2 ppm	
CO	BAAQMD Condition 17900 Part 3	Y	546 lb/24 hr period/engine	BAAQMD Condition 17900 Part 10.b	P/ 8760 hrs.	S-36 S-37	Date: 9/13/17 Date: 10/5/19	Result: 399.5 lb/day Result: 543.3 lb/day	Hours: 2642 Hours: 5713
SO ₂	BAAQMD Regulation 9-1-302	Y	300 ppmv outlet SO ₂ 350 ppmv TRS digester gas	BAAQMD Condition 17741, Part 4	P/D	S-210	Date: 7/27/20	Result: 247 ppm	
								<i>Note: Max. value for a day during this reporting period.</i>	
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	S-36 S-37 S-38 S-39	Date: 5/13/20	Result: 14.3 lb/day	
								<i>Note: Max. value for a day during this reporting period.</i>	
FP	BAAQMD Condition, 17900 Part 4	Y	36.4 lb/24 hr period	BAAQMD Condition 17900 Part 10.b	P/ 8760 hrs.	S-36 S-37	Date: 9/13/17 Date: 10/5/19	Result: 4.2 lb/day Result: 2.0 lb/day	Hours: 2642 Hours: 5713
NMHC	BAAQMD Condition 17900 part 5a	Y	87.8 lb/24 hr period	BAAQMD Condition 17900 Part 10.c	P/ 8760 hrs.	S-36 S-37	Date: 9/13/17 Date: 10/5/19	Result: 6.7 lb/day Result: 8.5 lb/day	Hours: 2642 Hours: 5713
NMHC	BAAQMD Condition 17900 Part 5b.	Y	108 ppm for Landfill gas @ 3% O ₂ dry	BAAQMD Condition 17900 Part 10.c	P/ 8760 hrs.	S-36 and S-37:	No data to report.		
								<i>Note: None of the sources listed above combusted landfill gas for this reporting period.</i>	

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Table VII— E (cont.)

Applicable Limits and Compliance Monitoring Requirements

S-36, Engine Generator 1 - Cogen Unit, Plt EG2

S-37, Engine Generator 2 - Cogen Unit, Plt EG3

Type of Limit	Citation for Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	RESULTS
Heat Input	BAAQMD Condition 17900 Part 6	Y	S36: 792 MM Btu/per day S37: 792 MM Btu/per day	BAAQMD Condition 17900 Part 18	P/M	S-36 Date: 6/24/20 Result: 509 MMBtu/day S-37 Date: 8/19/20 Result: 629 MMBtu/day <i>Note: Max. value for a day during this reporting period.</i>
Key Parameter	BAAQMD Regulation 8-34-509	Y	Cylinder Temperature >600 degrees F	BAAQMD Condition 17900 Part 9a	Continuous	S-36 and S-37: No data to report. <i>Note: None of the sources listed above combusted landfill gas for this reporting period.</i>
Gas Flow	BAAQMD Regulation 8-34-508	Y	Record Every 5 Minutes	BAAQMD Condition 17900 Part 8a	P/15 minutes	S-36 and S-37: Flows are recorded continuously.

Table VII— F

Applicable Limits and Compliance Monitoring Requirements

S-38, Commercial Boiler, 12.5 MM BTU/hr

S-39, Commercial Boiler, 12.5 MM BTU/hr

Type of Limit	Citation for Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	RESULTS
NO _x	BAAQMD Regulation 9-7-307.3	Y	15 ppmv, dry @ 3% O ₂	BAAQMD Condition 17900 Part 19 & 20	P/A	S-38 Date: 12/17/19 Result: 6.8 ppm Hours: 920 S-39 Date: 12/17/19 Result: 8.1 ppm Hours: 2069
NO _x	BAAQMD Condition 17900 Part 16	Y	774lbs/24hr combined emissions from S-36-37-38, and 39	BAAQMD Condition 17900 Part 18	P/M	S-36 Date: 5/19/20 Result: 143.6 lb/day S-37 S-38 S-39 <i>Note: Max. value for a day during this reporting period.</i>
CO	BAAQMD Regulation 9-7-301.3	Y	400 ppmv, dry @ 3% O ₂	BAAQMD Condition 17900, Part 19	P/A	S-38 Date: 12/17/19 Result: 0.4 ppm Hours: 920 S-39 Date: 12/17/19 Result: 0.4 ppm Hours: 2069
SO ₂	BAAQMD Regulation 9-1-302	Y	300 ppmv outlet SO ₂ 350 ppmv TRS digester gas	BAAQMD Condition 17741, Part 4	P/D	S-210 Date: 7/27/20 Result: 247 ppm <i>Note: Max. value for a day during this reporting period.</i>
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	S-36 Date: 5/13/20 Result: 14.3 lb/day S-37 S-38 S-39 <i>Note: Max. value for a day during this reporting period.</i>
Heat Input	BAAQMD Condition 17900, Part 15	Y	S38: 12.5 MM Btu/hr S39: 12.5 MM Btu/hr	BAAQMD Condition 17900 Part 18	P/M	S-38 Date: 4/22/20 Result: 5.5 MMBtu/hr S-39 Date: 5/19/20 Result: 9.2 MMBtu/hr <i>Note: Max. value for a day during this reporting period.</i>

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Table VII— G

**Applicable Limits and Compliance Monitoring Requirements
S-52, Sand Blast Operations**

Type of Limit	Citation for Limit	FE Y/N	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	S-52	Date: 8/31/20	Result:	7 tons/yr

Table VII— H

**Applicable Limits and Compliance Monitoring Requirements
S-54, Engine Generator, 12 - Cylinder Turbocharged LSVB, Plt EG1**

Type of Limit	Citation for Limit	FE Y/N	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.b	P/ 8760 hrs.	S-54	Date: 12/5/19	Result:	43 ppm	Hours: 5985
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	S-54	Date: 7/30/20	Result:	34 ppm	
NO _x	BAAQMD Condition 17901 Part 5	Y	0.9 gram/bhp-hr	BAAQMD Condition 17901 Part 14.b	P/ 8760 hrs.	S-54	Date: 12/5/19	Result:	0.44 g/bhp-hr	Hours: 5985
NO _x	BAAQMD Condition 17901 Part 9	Y	36.2 tons/yr	BAAQMD Condition 17901 Part 15	P/D & P/M	S-54	Date: 8/31/20	Result:	13.6 tons/yr	
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.	S-54	Date: 12/5/19	Result:	437.3 ppm	Hours: 5985
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	S-54	Date: 7/30/20	Result:	286 ppm	
CO	BAAQMD Condition 17901, Part 6	Y	2.97 grams/bhp-hr	BAAQMD Condition 17900 Part 14.b	P/ 8760 hrs.	S-54	Date: 12/5/19	Result:	2.74 g/bhp-hr	Hours: 5985
CO	BAAQMD Condition 17901 Part 9	Y	119.4 tons/yr	BAAQMD Condition 17901 Part 15	P/D & P/M	S-54	Date: 8/31/20	Result:	86.9 tons/yr	
NMHC	BAAQMD Condition 17901 Part 7a	Y	0.72 grams/bhp-hr	BAAQMD Condition 17901 Part 14c	P/ 8760 hrs.	S-54	Date: 12/5/19	Result:	0.24 g/bhp-hr	Hours: 5985
NMHC	BAAQMD Condition 17901 Part 7b.	Y	108 ppm for Landfill gas @ 3% O ₂ dry	BAAQMD Condition 17901 Part 14c	P/ 8760 hrs.	S-54: No data to report. <i>Note: The source listed above did not combust landfill gas for this reporting period.</i>				

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Table VII— H (cont.)

Applicable Limits and Compliance Monitoring Requirements

S-54, Engine Generator, 12 - Cylinder Turbocharged LSB, Plt EG1

Type of Limit	Citation for Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	RESULTS
NMHC	BAAQMD Condition 17901 Part 9	Y	28.9 tons/yr	BAAQMD Condition 17901 Part 15	P/D & P/M	S-54 Date: 8/31/20 Result: 9.2 tons/yr
Heat Input	BAAQMD Condition 17901 Part 2	Y	S54: 763 MM Btu/per day	BAAQMD Condition 17901 Part 15	P/M	S-54 Date: 4/7/20 Result: 656 MMBtu/day <i>Note: Max. value for a day during this reporting period.</i>
Key Parameter	BAAQMD Regulation 8-34-509	Y	Cylinder Temperature >600 degrees F	BAAQMD Condition 17901 Part 13a	Continuous	S-54: No data to report. <i>Note: The source listed above did not combust landfill gas for this reporting period.</i>
Gas Flow	BAAQMD Regulation 8-34-508	Y	Record Every 5 Minutes	BAAQMD Condition 17901 Part 12a	P/15 minutes	S54: Flow is recorded continuously.
SO ₂	BAAQMD Regulation 9-1-302	Y	300 ppmv outlet SO ₂ 350 ppmv TRS digester gas	BAAQMD Condition 17741, Part 4	P/D	S210 Date: 7/27/20 Result: 247 ppm <i>Note: Max. value for a day during this reporting period.</i>
SO ₂	BAAQMD Condition 17901 Part 9	Y	7.2 tons/yr	BAAQMD Condition 17901 Part 15	P/D & P/M	S-54 Date: 8/31/20 Result: 1.6 tons/yr
Diesel Sulfur Content	BAAQMD condition 17901 Part 4	Y	0.0015% by weight	BAAQMD Condition 17901 Part 4	P/E	CARB dyed 15 ppm sulfur verified on delivery receipt
Heat Input	BAAQMD Regulation 9-8-306	N	Use of diesel for less than 5% of fuel input	BAAQMD Regulation 9-8-502.2	P/M	Result: Diesel fuel input average 1.7 % of heat input for this compliance period.
Heat Input	40 CFR 63.6675	Y	Use of diesel for less than 2% of fuel input (to be considered spark ignition)	BAAQMD Regulation 9-8-502.2	P/M	Result: Diesel fuel input average 1.7 % of heat input for this compliance period.
Heat Input	BAAQMD Condition 17901, Part 1	Y	27,000 gal/yr diesel fuel	BAAQMD Condition 17901, Part 15	P/M	S-54 Date: 8/31/20 Result: 22.3 thous. gal/yr
FP	BAAQMD Condition 17901 Part 8	Y	0.068 grams/bhp-hr	BAAQMD Condition 17901, Part 14.b	P/A	S-54 Date: 12/5/19 Result: 0.012 g/bhp-hr Hours: 5985
FP	BAAQMD Condition 17901 Part 9	Y	3.1 tons/yr	BAAQMD Condition 17901, Part 15	P/D & P/M	S-54 Date: 8/31/20 Result: 0.3 tons/yr

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Table VII— I

Applicable Limits and Compliance Monitoring Requirements

- S-55, IC Engine Bldg. 40 500 KW
- S-56, IC Engine Bldg. CL 250 KW
- S-57, IC Engine P&E, 500 KW

Type of Limit	Citation for Limit	FE Y/N	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 Date: 8/31/20 Result: 0.0 hrs./yr S-56 Date: 8/31/20 Result: 3.8 hrs./yr S-57 Date: 8/31/20 Result: 0.0 hrs./yr <i>Note: S57 went out of service starting on January 2017; S55 went out of service starting on March 2017.</i>

Table VII— J

Applicable Limits and Compliance Monitoring Requirements

- S-66,- Emergency IC Generators, Diesel
- S-222, Emergency IC Generators, Diesel, Plt EMG1
- S-223, Emergency IC Generators, Diesel, Plt EMG2
- S-223, Emergency IC Generators, Diesel, Plt EMG3
- S-224, Emergency IC Generators, Diesel, Plt EMG4

Type of Limit	Citation for Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	RESULTS
Reliability-Related Hours	BAAQMD Condition 22850 Part 1	N	50 hrs./yr	BAAQMD Condition 22850 Parts 3 & 4	P/M	S-66 Date: 8/31/20 Result: 1.3 hrs./yr S-222 Date: 8/31/20 Result: 25.7 hrs./yr S-223 Date: 8/31/20 Result: 26.1 hrs./yr S-224 Date: 8/31/20 Result: 13.9 hrs./yr S-225 Date: 8/31/20 Result: 20.3 hrs./yr

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Table VII— K

Applicable Limits and Compliance Monitoring Requirements

S-67, Cogeneration System #1

S-68, Cogeneration System #2

S-69, Cogeneration System #3

S-70, Cogeneration System #4

Type of Limit	Citation for Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	RESULTS
NO _x	BAAQMD Condition 26639 Part 10	Y	11 ppmv @ 15% O ₂ , dry (waste gas combustion)	BAAQMD Condition 26639 Part 18	P/ 8760 hrs.	S-67, S-68, S-69 and S-70: No data to report yet. <i>Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90-day period.</i>
NO _x	BAAQMD Condition 26639 Part 10	N	11 ppmv @ 15% O ₂ , dry (waste gas combustion)	BAAQMD Condition 26639 Part 12	720 hours portable analyzer	S-67, S-68, S-69 and S-70: No data to report yet. <i>Note: Project is under construction. Three engines were started in August 2020 therefore they are all still far from reaching near 720 hours of operation.</i>
NO _x	BAAQMD Condition 26639 Part 10	Y	0.124 gram/bhp-hr	BAAQMD Condition 26639 Part 18	P/ 8760 hrs.	S-67, S-68, S-69 and S-70: No data to report yet. <i>Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90-day period.</i>
NO _x	BAAQMD Condition 26639 Part 10	Y	23.15 tons/yr	BAAQMD Condition 26639 Part 15	P/D & P/M	S-67, S-68, S-69 and S-70: No data to report yet. <i>Note: Value will be calculated once emission rates are determined by the source testing.</i>
CO	Condition 26639 Part 11	Y	130 ppmv @ 15% O ₂ , dry (waste gas combustion)	BAAQMD Condition 26639 Part 18	P/ 8760 hrs.	S-67, S-68, S-69 and S-70: No data to report yet. <i>Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90-day period.</i>
CO	BAAQMD Condition 26639 Part 11	N	130 ppmv @ 15% O ₂ , dry (waste gas combustion)	BAAQMD Condition 26639 Part 12	720 hours portable analyzer	S-67, S-68, S-69 and S-70: No data to report yet. <i>Note: Project is under construction. Three engines were started in August 2020 therefore they are all still far from reaching near 720 hours of operation.</i>
CO	BAAQMD Condition 26639 Part 11	Y	0.89 grams/bhp-hr	BAAQMD Condition 26639 Part 18	P/ 8760 hrs.	S-67, S-68, S-69 and S-70: No data to report yet. <i>Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90-day period.</i>
CO	BAAQMD Condition 26639 Part 11	Y	166.17 tons/yr	BAAQMD Condition 26639 Part 15	P/D & P/M	S-67, S-68, S-69 and S-70: No data to report yet. <i>Note: Value will be calculated once emission rates are determined by the source testing.</i>
PM _{2.5} or PM ₁₀	BAAQMD Condition 26639 Part 13	Y	0.07 grams/bhp-hr	BAAQMD Condition 26639 Part 18	P/ 8760 hrs.	S-67, S-68, S-69 and S-70: No data to report yet. <i>Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90-day period.</i>
Total PM	BAAQMD Condition 26639 Part 13 & 14	Y	13.07 tons/yr Cogen Project, includes condensable and filterable PM	BAAQMD Condition 26639 Part 15	P/D & P/M	S-67 Date: 8/31/20 Result: 0.014 tons/yr S-68 S-69 S-70 S-72 S-73

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Table VII— K (cont.)

Applicable Limits and Compliance Monitoring Requirements

S-67, Cogeneration System #1

S-68, Cogeneration System #2

S-69, Cogeneration System #3

S-70, Cogeneration System #4

Formaldehyde	BAAQMD Condition 26639 Part 14	Y	0.41 lb/hr	BAAQMD Condition 26639 Part 18	P/ 8760 hrs.	S-67, S-68, S-69 and S-70: No data to report yet. <i>Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90-day period.</i>
POC (NMOC)	BAAQMD Condition 26639 Part 15	Y	0.12 grams/bhp-hr	BAAQMD Condition 26639 Part 18	P/ 8760 hrs.	S-67, S-68, S-69 and S-70: No data to report yet. <i>Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90-day period.</i>
POC (CH ₄)	BAAQMD Condition 26639 Part 15	Y	30.6 ppmv @ 15% O ₂ dry	BAAQMD Condition 26639 Part 18	P/ 8760 hrs.	S-67, S-68, S-69 and S-70: No data to report yet. <i>Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90-day period.</i>
NH ₃	BAAQMD Condition 26639 Part 16	Y	10 ppmv @ 15% O ₂ dry	BAAQMD Condition 26639 Part 18	P/ 8760 hrs.	S-67, S-68, S-69 and S-70: No data to report yet. <i>Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90-day period.</i>
SO ₂	BAAQMD Condition 26639 Part 4	Y	50 ppm total sulfur digester gas treated by A9 and A18	BAAQMD Condition 26639 Part 20	P/M	Result: 0.0 ppm (maximum concentration during compliance period) <i>Note: All monthly test results for the compliance period show "not detectable" for Sulfur.</i>
Heat Input	BAAQMD Condition 26639 Part 2	Y	Combined heat input 1,084,974 MMBtu/ 12-month period	BAAQMD Condition 17901 Part 15	P/M	S-67 Date: 8/31/20 Result: 80 MMBtu/day S-68 S-69 S-70
SCR Catalyst Temp.	BAAQMD Condition 26639 Part 6	Y	Maintain exhaust gas temperature within range: 575°F to 960° F	BAAQMD Condition 26639 Part 22	P/M	S-67, S-68, S-69 and S-70: No data to report yet. <i>Note: Project is under construction. Three engines were started in August 2020. SCR catalysts have not been in service yet.</i>

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Table VII— L

Applicable Limits and Compliance Monitoring Requirements

S-72, Dual Fueled Digester Gas/Natural Gas Boiler #1, 15 MM BTU/hr

S-73, Dual Fueled Digester Gas/Natural Gas Boiler #2, 15 MM BTU/hr

Type of Limit	Citation for Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	RESULTS				
NO _x	BAAQMD Condition 27140 Part 4.a.i	Y	9 ppmv, dry @ 3% O ₂ when firing natural gas	BAAQMD Condition 27140 Part 9	P/A	S-72	Date: 7/16/20	Result: 6.7 ppm		
						S-73	Date: 7/17/20	Result: 6.3 ppm		
NO _x	BAAQMD Condition 27140 Part 4.a.ii	Y	20 ppmv, dry @ 3% O ₂ when firing digester gas	BAAQMD Condition 27140 Part 9	P/A	S-72	Date: 7/24/20	Result: 4.2 ppm		
						S-73	Date: 7/23/20	Result: 4.7 ppm		
CO	BAAQMD Condition 27140 Part 4.c.i	Y	50 ppmv, dry @ 3% O ₂ when firing natural gas or digester gas	BAAQMD Condition 17900, Part 9	P/A	Natural Gas:				
						S-72	Date: 7/16/20	Result: <2.2 ppm		
						S-73	Date: 7/17/20	Result: <2.2 ppm		
						Digester Gas:				
						S-72	Date: 7/24/20	Result: <2.2 ppm		
						S-73	Date: 7/23/20	Result: <2.1 ppm		
POC	BAAQMD Condition 27140 Part 4.b.i	Y	15 ppmv, dry @ 3% O ₂ when firing natural gas	BAAQMD Condition 17900, Part 10	P/8760 hrs. or 3 yrs	S-72	Date: 7/16/20	Result: <2.2 ppm	Hours: 67	
						S-73	Date: 7/17/20	Result: <2.2 ppm	Hours: 78	
POC	BAAQMD Condition 27140 Part 4.b.ii	Y	30 ppmv, dry @ 3% O ₂ when firing digester gas	BAAQMD Condition 17900, Part 10	P/8760 hrs. or 3 yrs	S-72	Date: 7/24/20	Result: <2.2 ppm	Hours: 67	
						S-73	Date: 7/23/20	Result: <2.1 ppm	Hours: 78	
PM ₁₀ & PM _{2.5}	BAAQMD Condition 27140 Part 5	Y	Not to exceed 9.9lb/24 hr emission rate, each	BAAQMD Condition 17900 Part 10	P/D	S-72	Date: 7/24/20	Result: 0.2 lb/day		
						S-73	Date: 7/23/20	Result: 0.2 lb/day		
						<i>Note: Max. value for a day during this reporting period.</i>				
SO ₂	BAAQMD Condition 27140 Part 6	Y	50 ppm total sulfur digester gas treated A9 and A18	BAAQMD Condition 27140 Part 7 & 8	P/M	Result: 0.0 ppm (maximum concentration during compliance period)				
						<i>Note: All monthly test results for the compliance period show "not detectable" for Sulfur.</i>				
Heat Input	BAAQMD Condition 27140 Part 2	Y	131,794 MMBtu/12-month period, each	BAAQMD Condition 27140 Part 2	P/M	S-72	Date: 8/31/20	Result: 916 MMBtu/yr		
						S-73	Date: 8/31/20	Result: 973 MMBtu/yr		

Table VII— M

Applicable Limits and Compliance Monitoring Requirements

S-100, Municipal wastewater Treatment Plant

Type of Limit	Citation for Limit	FE Y/N	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	S-100	Date: 4/6/20	Max Flow: 126 MGD		
						<i>Note: Max. value for a day during this reporting period.</i>				

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Table VII— N

Applicable Limits and Compliance Monitoring Requirements
S-210, Anaerobic Digesters

Type of Limit	Citation for Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	RESULTS
Combined Thermal Throughput	BAAQMD Condition 17741 (old) Part 2.a.ii.2		5,961.7 MMBtu/day for all sources	BAAQMD Condition 17741, Parts 6 & 20	P/M	All Date: 6/4/20 Result: 2,310.2 MMBtu/day <i>Note: Max. value for a day during this reporting period. Limit valid until approved modification to Condition 17741 issued on September 2, 2020 under Application No. 28954.</i>
Flare Throughput	BAAQMD Condition 17741 (old) Part 2.a.ii.3		74,200 Mscf/12-months	BAAQMD Condition 17741, Parts 6 & 20	P/M	A-404 Date: 8/31/20 Result: 5,014 kscf A-405 <i>Note: Limit valid until approved modification to Condition 17741 issued on September 2, 2020 under Application No. 28954.</i>
Flare NO _x	BAAQMD Condition 17741, Part 14	Y	A406: 0.06 lb/MMBtu	BAAQMD Condition 17741 Part 18	P/8760 hrs or 5 yrs.	A-406: No data to report yet. <i>Note: Flare was started on 7/28/20 and star-up sources testing to demonstrate compliance is scheduled for September 2020.</i>
Flare CO	BAAQMD Condition 17741, Part 15	Y	A406: 0.2 lb/MMBtu	BAAQMD Condition 17741 Part 18	P/8760 hrs or 5 yrs.	A-406: No data to report yet. <i>Note: Flare was started on 7/28/20 and star-up sources testing to demonstrate compliance is scheduled for September 2020.</i>
Flare H ₂ S	BAAQMD Condition 17741, Part 16	Y	0.278 lb/hr	BAAQMD Condition 17741 Part 18	P/8760 hrs or 5 yrs.	A-406: No data to report yet. <i>Note: Flare was started on 7/28/20 and star-up sources testing to demonstrate compliance is scheduled for September 2020.</i>
Flare CH ₄	BAAQMD Condition 17741, Part 17	Y	A406: 0.9 lb/MMBtu	BAAQMD Condition 17741 Part 18	P/8760 hrs or 5 yrs.	A-406: No data to report yet. <i>Note: Flare was started on 7/28/20 and star-up sources testing to demonstrate compliance is scheduled for September 2020.</i>
Flare Heat Input	BAAQMD Condition 17741, Part 9 & 10	Y	A406: 605 MMBtu/day A407: 6,567 MMBtu/day	BAAQMD Condition 17741, Parts 19	P/M	A-406 Date: 8/25/20 Result: 39 MMBtu/day A-407 Date: 7/28/20 Result: 125 MMBtu/day <i>Note: Max. value for a day during this reporting period.</i>
Flare Combustion Zone Temperature	BAAQMD Condition 17741, Part 13	Y	A406: Maintain minimum temperature of 1400 degrees F	BAAQMD Condition 17741 Part 12	P/W	A-406 Date: 8/25/20 Result: 1437 °F <i>Note: Lowest temp. value for all flaring events during this reporting period.</i>
Digester Gas Sulfur Content	BAAQMD Condition 17741, Part 3.a & 3.b	Y	350 ppm total sulfur 315 ppm after startup of thermophilic digesters	BAAQMD Condition 17741, Part 5	P/W	S210 Date: 7/27/20 Result: 247 ppm <i>Note: Max. value for a day during this reporting period.</i>
SO ₂	BAAQMD Condition 17741, Part 4		12.722 tons/12-month period	BAAQMD Condition 17741 Part 5	P/M	S-210: No data to report yet. <i>Note: Not applicable until after startup of thermophilic digester operation.</i>
H ₂ S Emissions Digester Gas Release	BAAQMD Condition 17741, Part 8.a		1.22 lb/hr	BAAQMD Condition 17741, Part 8	P/D	S-210: No data to report yet. <i>Note: Not applicable until 90 days after startup of thermophilic digester operation.</i>