

March 21, 2022

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

TV Tracking #: 432

1. RECEIVED IN 03/23/2022
ENFORCEMENT: _____

Re: Title V Semi-Annual Report
September 1st, 2021 to February 28th, 2022
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 September 1st, 2021 through February 28th, 2022. 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 Jason.Nettleton@sanjoseca.gov.

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: 9/1/2021 - 2/28/2022

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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) was decommissioned on 2/23/2017 and E5 (S-7) was 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: 4358 S-10 Date: 2/27/20 Result: 13.4 ppm Hours: 3984 S-11 Date: 2/10/21 Result: 26.7 ppm Hours: 1306 S-12 Date: 8/17/20 Result: 10.7 ppm Hours: 1239 S-13 Date: 8/17/20 Result: 22.5 ppm Hours: 4190 S-14 Date: 9/10/19 Result: 20.0 ppm Hours: 6130 <i>Note: S-12 was officially retired on 10/12/21 and S-13 & S-14 were officially retired on 11/29/21. Run. hrs. since last source test.</i>
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: 1/21/22 Result: 29 ppm S-10 Date: 1/21/22 Result: 23 ppm S-11 Date: 1/21/22 Result: 27 ppm S-12 Date: 12/8/20 Result: 22 ppm S-13 Date: 11/15/21 Result: 49 ppm S-14 Date: 9/13/21 Result: 24 ppm <i>Note: S-12 was last used on 12/17/20 and S-14 was last used on 9/14/21; both engines are now officially retired.</i>
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: 4358 S-10 Date: 2/27/20 Result: 262.0 ppm Hours: 3984 S-11 Date: 2/10/21 Result: 272.0 ppm Hours: 1306 S-12 Date: 8/17/20 Result: 445.0 ppm Hours: 1239 S-13 Date: 8/17/20 Result: 359.0 ppm Hours: 4190 S-14 Date: 9/10/19 Result: 334.0 ppm Hours: 6130
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: 1/21/22 Result: 284 ppm S-10 Date: 1/21/22 Result: 396 ppm S-11 Date: 1/21/22 Result: 393 ppm S-12 Date: 12/8/20 Result: 316 ppm S-13 Date: 11/15/21 Result: 322 ppm S-14 Date: 9/13/21 Result: 468 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: 4358 S-10 Date: 2/27/20 Result: 18.1 ppm Hours: 3984 S-11 Date: 2/10/21 Result: 22.5 ppm Hours: 1306 S-12 Date: 8/17/20 Result: 59.4 ppm Hours: 1239 S-13 Date: 8/17/20 Result: 45.6 ppm Hours: 4190 S-14 Date: 9/10/19 Result: 39.4 ppm Hours: 6130
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: 10/15/21 Result: 249 ppm <i>Note: Max. value for 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: 2/13/22 Result: 170.6 MM Btu/day S-10 Date: 2/20/22 Result: 443.0 MM Btu/day S-11 Date: 2/28/22 Result: 466.0 MM Btu/day S-12 Date: N/A Result: 0.0 MM Btu/day S-13 Date: 9/11/21 Result: 318.9 MM Btu/day S-14 Date: 9/13/21 Result: 93.8 MM Btu/day
<i>Note: Max. value for this reporting period.</i>						

Table VII— C

Applicable Limits and Compliance Monitoring Requirements

- S-15, Paint Spray Booth
- S-16, Paint Spray Booth
- S-71, Enclosed Paint Spray Booth

Note: S-16 was decommissioned on 10/1/2019.

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-15 Date: 3/1/21 - 2/28/22 Result: 0 Gal./12-Mo. S-71 Date: 3/1/21 - 2/28/22 Result: 14 Gal./12-Mo.
Primer Throughput	BAAQMD Condition 17737, Part 1	Y	Primer 50 gal/12 months	BAAQMD Condition 17737, Part 3	P/D	S-15 Date: 3/1/21 - 2/28/22 Result: 0 Gal./12-Mo. S-71 Date: 3/1/21 - 2/28/22 Result: 8 Gal./12-Mo.
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-15 Date: 3/1/21 - 2/28/22 Result: 22 Gal./12-Mo. S-71 Date: 3/1/21 - 2/28/22 Result: 19 Gal./12-Mo.
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/12 months	BAAQMD Condition 17738, Part 2	P/D	S-26 Date: 3/1/21 - 2/28/22 Vol.: 12,382 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: 8/23/21 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: 8/23/21 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 Date: 9/13/17	Result: 23.7 ppm	Hours: 2642	S-37 Date: 10/5/19	Result: 44.2 ppm	Hours: 8347
						<i>Note: Both engines were decommissioned on 9/22/21. Run. hrs. from last source test to end of this reporting period.</i>					
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 Date: 7/30/20	Result: 26.9 ppm	S-37 Date: 9/17/21	Result: 68.5 ppm		
						<i>Note: EG-2 is decommissioned and was last used on 8/4/20.</i>					
NO _x	BAAQMD Condition 17900, Part 2	Y	1.6 gram/bhp-hr	BAAQMD Condition 17900, Part 10.b	P/ 8760 hrs.	S-36 Date: 9/13/17	Result: 0.04 g/bhp-hr	Hours: 2642	S-37 Date: 10/5/19	Result: 0.77 g/bhp-hr	Hours: 8347
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 Date: 9/19/21	Result: 95.3 lb/day	S-37	S-38	S-39	
						<i>Note: Max. value for 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 Date: 9/13/17	Result: 221.4 ppm	Hours: 2642	S-37 Date: 10/5/19	Result: 282.7 ppm	Hours: 8347
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 Date: 7/30/20	Result: 332.5 ppm	S-37 Date: 9/17/21	Result: 246.55 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 Date: 9/13/17	Result: 399.5 lb/day	Hours: 2642	S-37 Date: 10/5/19	Result: 543.3 lb/day	Hours: 8347
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: 10/15/21	Result: 249 ppm				
						<i>Note: Max. value for 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 Date: 9/19/21	Result: 5.8 lb/day	S-37	S-38	S-39	
						<i>Note: Max. value for 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 Date: 9/13/17	Result: 4.2 lb/day	Hours: 2642	S-37 Date: 10/5/19	Result: 2.0 lb/day	Hours: 8347
NMHC	BAAQMD Condition 17900, part 5a	Y	87.8 lb/24 hr period	BAAQMD Condition 17900, Part 10.c	P/ 8760 hrs.	S-36 Date: 9/13/17	Result: 6.7 lb/day	Hours: 2642	S-37 Date: 10/5/19	Result: 8.5 lb/day	Hours: 8347
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: N/A Result: 0 MMBtu/day S-37 Date: 9/19/21 Result: 577 MMBtu/day <i>Note: Max. value for 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: 12/13/21 Result: 12.2 ppm S-39 Date: 12/17/20 Result: 8.1 ppm <i>Note: S-39 has been out of service since 5/7/21.</i>
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: 9/19/21 Result: 95.3 lb/day S-37 S-38 S-39 <i>Note: Max. value for 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: 12/13/21 Result: 0.6 ppm S-39 Date: 12/17/20 Result: 0.4 ppm
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: 10/15/21 Result: 249 ppm <i>Note: Max. value for 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: 9/19/21 Result: 5.8 lb/day S-37 S-38 S-39 <i>Note: Max. value for 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: 11/21/21 Result: 7.4 MMBtu/hr S-39 Date: N/A Result: 0.0 MMBtu/hr <i>Note: Max. value for 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: 3/1/21 - 2/28/22 Result: 6 tons/12-mo.

Table VII— H

Applicable Limits and Compliance Monitoring Requirements
S-54, Engine Generator, 12 - Cylinder Turbocharged LSVB, Plt EG1
Note: EG-1 (S-54) was decommissioned on 7/30/2021.

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
Note: S-55 was decommissioned on 1/1/2017 and S-57 was decommissioned on 3/1/2017.

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./12 month period	BAAQMD Condition 22820, Parts 3 & 4	P/M	S-56 Date: 3/1/21 - 2/28/22 Result: 5.4 hrs./12-mo.

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./12-month period	BAAQMD Condition 22850, Parts 3 & 4	P/M	S-66 Date: 3/1/21 - 2/28/22 Result: 1.7 hrs./12-mo. S-222 Date: 3/1/21 - 2/28/22 Result: 14.1 hrs./12-mo. S-223 Date: 3/1/21 - 2/28/22 Result: 15.4 hrs./12-mo. S-224 Date: 3/1/21 - 2/28/22 Result: 15.7 hrs./12-mo. S-225 Date: 3/1/21 - 2/28/22 Result: 17.1 hrs./12-mo.

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Table VII— L

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 Date: 12/7/20	Result: 8.4 ppm	Hours: 3717	
						S-68 Date: 12/11/20	Result: 8.3 ppm	Hours: 5914	
						S-69 Date: 11/19/20	Result: 9.8 ppm	Hours: 5495	
						S-70 Date: 11/20/20	Result: 8.8 ppm	Hours: 5022	
<i>Note: Run. hrs. from last source test to end of this reporting 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 Date: 1/7/22	Result: 7.7 ppm	Hours: 80	
						S-68 Date: 1/18/22	Result: 5.7 ppm	Hours: 207	
						S-69 Date: 1/31/22	Result: 7.6 ppm	Hours: 13	
						S-70 Date: 1/18/22	Result: 8.7 ppm	Hours: 299	
<i>Note: Run. hrs. from last test to the end of this reporting period.</i>									
NO _x	BAAQMD Condition 26639, Part 10	Y	0.124 gram/bhp-hr	BAAQMD Condition 26639, Part 18	P/ 8760 hrs.	S-67 Date: 12/7/20	Result: 0.105 g/bhp-hr	Hours: 3717	
						S-68 Date: 12/11/20	Result: 0.122 g/bhp-hr	Hours: 5914	
						S-69 Date: 11/19/20	Result: 0.114 g/bhp-hr	Hours: 5495	
						S-70 Date: 11/20/20	Result: 0.124 g/bhp-hr	Hours: 5022	
NO _x	BAAQMD Condition 26639, Part 10	Y	23.15 tons/12-month period	BAAQMD Condition 26639, Part 15	P/D & P/M	S-67 Date: 3/1/21 - 2/28/22	Result: 7.8 tons/12-mo.		
						S-68			
						S-69			
						S-70			
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 Date: 12/7/20	Result: 4.7 ppm	Hours: 3717	
						S-68 Date: 12/11/20	Result: 5.7 ppm	Hours: 5914	
						S-69 Date: 11/19/20	Result: 3.7 ppm	Hours: 5495	
						S-70 Date: 11/20/20	Result: 4.6 ppm	Hours: 5022	
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 Date: 1/7/22	Result: 4.9 ppm	Hours: 80	
						S-68 Date: 1/18/22	Result: 5.6 ppm	Hours: 207	
						S-69 Date: 1/31/22	Result: 6.6 ppm	Hours: 13	
						S-70 Date: 1/18/22	Result: 4.2 ppm	Hours: 299	
CO	BAAQMD Condition 26639, Part 11	Y	0.89 grams/bhp-hr	BAAQMD Condition 26639, Part 18	P/ 8760 hrs.	S-67 Date: 12/7/20	Result: 0.04 g/bhp-hr	Hours: 3717	
						S-68 Date: 12/11/20	Result: 0.04 g/bhp-hr	Hours: 5914	
						S-69 Date: 11/19/20	Result: 0.03 g/bhp-hr	Hours: 5495	
						S-70 Date: 11/20/20	Result: 0.04 g/bhp-hr	Hours: 5022	
CO	BAAQMD Condition 26639, Part 11	Y	166.17 tons/12-month period	BAAQMD Condition 26639, Part 15	P/D & P/M	S-67 Date: 3/1/21 - 2/28/22	Result: 2.5 tons/12-mo.		
						S-68			
						S-69			
						S-70			
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 Date: 12/7/20	Result: 0.014 ppm	Hours: 3717	
						S-68 Date: 12/11/20	Result: 0.013 ppm	Hours: 5914	
						S-69 Date: 11/19/20	Result: 0.011 ppm	Hours: 5495	
						S-70 Date: 11/20/20	Result: 0.026 ppm	Hours: 5022	
Total PM	BAAQMD Condition 26639, Part 13 & 14	Y	13.07 tons/12-month period Cogen Project, includes condensable and filterable PM	BAAQMD Condition 26639, Part 15	P/D & P/M	S-67 Date: 3/1/21 - 2/28/22	Result: 1.1 tons/12-mo.		
						S-68			
						S-69			
						S-70			
						S-72			
						S-73			

SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT

SAN JOSE CA BAAQMD PERMIT #778

SEMI-ANNUAL MONITORING REPORT

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Table VII— L (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 Date: 12/7/20 Result: 0.005 lb/hr Hours: 3717 S-68 Date: 12/11/20 Result: 0.004 lb/hr Hours: 5914 S-69 Date: 11/19/20 Result: 0.017 lb/hr Hours: 5495 S-70 Date: 11/20/20 Result: 0.004 lb/hr Hours: 5022
POC (NMOC)	BAAQMD Condition 26639, Part 15	Y	0.12 grams/bhp-hr	BAAQMD Condition 26639, Part 18	P/ 8760 hrs.	S-67 Date: 12/7/20 Result: 0.1 ppm Hours: 3717 S-68 Date: 12/11/20 Result: 0.07 ppm Hours: 5914 S-69 Date: 11/19/20 Result: 0.08 ppm Hours: 5495 S-70 Date: 11/20/20 Result: 0.1 ppm Hours: 5022
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 Date: 12/7/20 Result: 22.3 ppm Hours: 3717 S-68 Date: 12/11/20 Result: 14.9 ppm Hours: 5914 S-69 Date: 11/19/20 Result: 18.7 ppm Hours: 5495 S-70 Date: 11/20/20 Result: 22 ppm Hours: 5022
NH ₃	BAAQMD Condition 26639, Part 16	Y	10 ppmv @ 15% O ₂ dry	BAAQMD Condition 26639, Part 18	P/ 8760 hrs.	S-67 Date: 12/7/20 Result: 0.95 ppm Hours: 3717 S-68 Date: 12/11/20 Result: 1.05 ppm Hours: 5914 S-69 Date: 11/19/20 Result: 0.52 ppm Hours: 5495 S-70 Date: 11/20/20 Result: 0.86 ppm Hours: 5022
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	A9 & A18 Date: 11/1/21 Result: 16.5 ppm <i>Note: Max. value for this reporting period.</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: 3/1/21 - 2/28/22 Result: 466,553 MMBtu/12-mo. 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 Date: 11/8/21 Min. Temp.: 846 °F Date: 1/1/22 Max. Temp.: 899 °F S-68 Date: 9/5/21 Min. Temp.: 777 °F Date: 9/3/21 Max. Temp.: 894 °F S-69 Date: 9/6/21 Min. Temp.: 763 °F Date: 9/3/21 Max. Temp.: 882 °F S-70 Date: 9/3/21 Min. Temp.: 764 °F Date: 1/25/22 Max. Temp.: 900 °F <i>Note: Min. & max. values for this reporting period.</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: 6/9/21	Result: 8.1 ppm	S-73 Date: 6/8/21	Result: 8.2 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: 6/9/21	Result: 9.7 ppm	S-73 Date: 6/8/21	Result: 5.0 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	S-72 Date: 6/9/21	Result: 2.1 ppm	S-73 Date: 6/8/21	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 27140, Part 10	P/8760 hrs. or 3 yrs	S-72 Date: 6/9/21	Result: <2.1 ppm	Hours: 974	S-73 Date: 6/8/21	Result: <2.1 ppm	Hours: 817
<i>Note: Run. hrs. on NG since last POC source test.</i>											
POC	BAAQMD Condition 27140, Part 4.b.ii	Y	30 ppmv, dry @ 3% O ₂ when firing digester gas	BAAQMD Condition 27140, Part 10	P/8760 hrs. or 3 yrs	S-72 Date: 6/9/21	Result: <2.1 ppm	Hours: 832	S-73 Date: 6/8/21	Result: <2.1 ppm	Hours: 686
<i>Note: Run. hrs. on DG since last POC source test.</i>											
PM ₁₀ & PM _{2.5}	BAAQMD Condition 27140, Part 5	Y	Not to exceed 9.9lb/24 hr emission rate, each	BAAQMD Condition 27140, Part 10	P/D P/8760 hrs. or 3 yrs (source test)	S-72 Date: 2/8/22	Result: 0.9 lb/day	NG hrs: 1268	PM Source Test Dates: NG: 7/16/20 DG: 7/15/20	DG hrs: 1026	
<i>Note: Max. value for this reporting period. Run. hrs. since last PM source date.</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	A9 & A18 Date: 11/1/21	Result: 16.5 ppm				
<i>Note: Max. value for this reporting period.</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: 3/1/21 - 2/28/22	Result: 19,090 MMBtu/12-mo.	S-73 Date: 3/1/21 - 2/28/22	Result: 15,878 MMBtu/12-mo.		

Table VII— K

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: 10/25/21	Max Flow:	122 MGD		
<i>Note: Max. value for this reporting period.</i>										

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Table VII— M

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
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 Date: 9/15/20 Result: 0.022 lb/MMBtu Hours: 286 <i>Note: Run. hrs. from last source test to end of this reporting period.</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 Date: 9/15/20 Result: 0.004 lb/MMBtu Hours: 286
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 Date: 9/15/20 Result: <0.0004 lb/hr Hours: 286
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 Date: 9/15/20 Result: <0.01 lb/MMBtu Hours: 286
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: 2/8/22 Result: 144 MMBtu/day A-407 Date: 10/6/21 Result: 1,195 MMBtu/day <i>Note: Max. value for 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: 11/24/21 Min. Temp.: 1488 °F <i>Note: Min. value for 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	S-210 Date: 10/15/21 Result: 249 ppm <i>Note: Max. value for 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 Date: Result: tons/12-mo. <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 Date: Result: lb/hr <i>Note: Not applicable until 90 days after startup of thermophilic digester operation.</i>