

September 20, 2023

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

Re: Title V Semi-Annual Report
March 1st, 2023, to August 31st, 2023
San Jose/Santa Clara Regional Wastewater Facility
700 Los Esteros Road, San Jose, CA 95134
Facility No. A0778

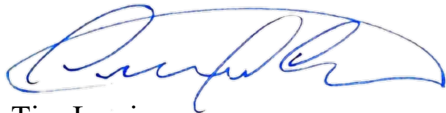
Dear Mr. Gove:

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, 2023, through August 31st, 2023. 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,



Tim Lewis
Acting 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: 3/1/2023 - 8/31/2023

Nomenclature: 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

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

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 (digester gas/natural gas combustion)	BAAQMD Condition 17899, Part 9.b	P/ 8760 hrs.	S-9 Date: 4/12/19 S-10 Date: 2/27/20 S-11 Date: 2/10/21	Result: 37.3 ppm Result: 13.4 ppm Result: 26.7 ppm	Hours: 4499 Hours: 4104 Hours: 1677	<i>Note: S-10 was decommissioned on 2/28/23 and S-9 & S-11 were decommissioned on 3/31/23.</i>
NO _x	BAAQMD Regulation 9-8-302.1	N	70 ppmv @ 15% O ₂ , dry (digester gas/natural gas combustion)	BAAQMD Regulation 9-8-503	Quarterly portable analyzer	S-9 Date: 3/9/23 S-10 Date: 11/18/22 S-11 Date: 3/8/23	Result: 32 ppm Result: 28 ppm Result: 31 ppm		<i>Note: S-10 was decommissioned on 2/28/23 and it was last used on 12/14/22.</i>
CO	BAAQMD Condition 17899, Part 3	Y	1620 ppmv @ 15% O ₂ , dry (digester gas/natural gas combustion)	BAAQMD Condition 17899, Part 9.b	P/ 8760 hrs.	S-9 Date: 4/12/19 S-10 Date: 2/27/20 S-11 Date: 2/10/21	Result: 244.0 ppm Result: 262.0 ppm Result: 272.0 ppm	Hours: 4499 Hours: 4104 Hours: 1677	
CO	BAAQMD Regulation 9-8-302.3	N	2000 ppmv @ 15% O ₂ , dry (digester gas/natural gas combustion)	BAAQMD Regulation 9-8-503	Quarterly portable analyzer	S-9 Date: 3/9/23 S-10 Date: 11/18/22 S-11 Date: 3/8/23	Result: 292 ppm Result: 351 ppm Result: 424 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 S-10 Date: 2/27/20 S-11 Date: 2/10/21	Result: 35.3 ppm Result: 18.1 ppm Result: 22.5 ppm	Hours: 4499 Hours: 4104 Hours: 1677	
SO ₂	BAAQMD Regulation 9-1-302	Y	300 ppmv outlet SO ₂ 315 ppmv TRS digester gas	BAAQMD Condition 17741, Part 4	P/D	S210 Date: 5/3/23	Result: 199 ppm		<i>Note: Max. value for this reporting period.</i>
Key Parameter	BAAQMD Regulation 8-34-509	Y	Cylinder Temperature >600 degrees F (Only applicable if landfill gas is used.)	BAAQMD Condition 17898, Part 8a	Continuous	S-9 S-10 S-11			<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 (Only applicable if landfill gas is used.)	BAAQMD Condition 17898, Part 7a	P/15 minutes	S-9 S-10 S-11			<i>Note: None of the sources listed above combusted landfill gas for this reporting period; regardless, flows are recorded continuously.</i>
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	BAAQMD Condition 17899, Part 5	P/M	S-9 Date: 3/9/23 S-10 Date: Not used S-11 Date: Not used	Result: 426.1 MM Btu/day Result: -- MM Btu/day Result: -- MM Btu/day		<i>Note: Max. value for this reporting period.</i>

SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT

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Table VII— C

Applicable Limits and Compliance Monitoring Requirements

S-15, Paint Spray Booth

S-71, Enclosed Paint Spray Booth

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: 9/1/22 - 8/31/23	Result:	0 Gal./12-Mo.
						S-71	Date: 9/1/22 - 8/31/23	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: 9/1/22 - 8/31/23	Result:	0 Gal./12-Mo.
						S-71	Date: 9/1/22 - 8/31/23	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: 9/1/22 - 8/31/23	Result:	22 Gal./12-Mo.
						S-71	Date: 9/1/22 - 8/31/23	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)			

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: 9/1/22 - 8/31/23	Vol.:	12,720 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: 8/16/23	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: 8/16/23	Result:	Pass

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Table VII— E

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 (natural gas combustion)	BAAQMD Condition 17900, Part 19 & 20	P/A	S-38 Date: 11/14/22 Result: 9.0 ppm S-39 Date: 11/14/22 Result: 9.6 ppm <i>Note: S-39 has been out of service since 5/7/21.</i>
NO _x	BAAQMD Condition 17900, Part 16	Y	44.6 lbs/24hr combined emissions from 38, and 39	BAAQMD Condition 17900, Part 18	P/M	S-38 Date: 3/2/23 Result: 0.9 lb/day 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 (natural gas combustion)	BAAQMD Condition 17900, Part 19	P/A	S-38 Date: 11/14/22 Result: < 0.7 ppm S-39 Date: 11/14/22 Result: < 0.7 ppm
SO ₂	BAAQMD Regulation 9-1-302	Y	300 ppmv outlet SO ₂ 315 ppmv TRS digester gas	BAAQMD Condition 17741, Part 4	P/D	S-210 Date: 5/3/23 Result: 199 ppm <i>Note: Max. value for this reporting period.</i>
SO ₂	BAAQMD Condition 17900, Part 17	Y	14 lb/24 hr combined emissions from 38, and 39	BAAQMD Condition 17900, Part 18	P/M	S-38 Date: N/A Result: 0.0 lb/day S-39 <i>Note: Max. value for this reporting period. Both boilers use natural gas only.</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: 3/2/23 Result: 3.5 MMBtu/hr S-39 Date: 3/27/23 Result: 2.8 MMBtu/hr <i>Note: Max. value for this reporting period.</i>

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Table VII— F

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
Media Usage	BAAQMD Condition 9055 Part 1	Y	30 tons/12 months	BAAQMD Condition 9055 Part 2	P/M	S-52 Date: 9/1/22 - 8/31/23 Result: 6 tons/12-mo.

Table VII— H

Applicable Limits and Compliance Monitoring Requirements
S-56, IC Engine Bldg. CL 250 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./12 month period	BAAQMD Condition 22820, Parts 3 & 4	P/M	S-56 Date: 9/1/22 - 8/31/23 Result: 4.6 hrs./12-mo.

Table VII— I

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: 9/1/22 - 8/31/23 Result: 2.9 hrs./12-mo. S-222 Date: 9/1/22 - 8/31/23 Result: 21.7 hrs./12-mo. S-223 Date: 9/1/22 - 8/31/23 Result: 19.9 hrs./12-mo. S-224 Date: 9/1/22 - 8/31/23 Result: 19.7 hrs./12-mo. S-225 Date: 9/1/22 - 8/31/23 Result: 19.2 hrs./12-mo.

Table VII— J

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: 3/10/23 Max Flow: 153 MGD <i>Note: Max. value for this reporting period.</i>

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Table VII— K

Applicable Limits and Compliance Monitoring Requirements

S-210, Anaerobic Digesters

A-404 - A-407, Flares

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 (digester gas combustion)	BAAQMD Condition 17741, Part 18	P/8760 hrs. or 5 yrs.	A-406 Date: 9/15/20 Result: 0.022 lb/MMBtu Hours: 347 <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 (digester gas combustion)	BAAQMD Condition 17741, Part 18	P/8760 hrs. or 5 yrs.	A-406 Date: 9/15/20 Result: 0.004 lb/MMBtu Hours: 347
Flare H ₂ S	BAAQMD Condition 17741, Part 16	Y	A406: 0.278 lb/hr (digester gas combustion)	BAAQMD Condition 17741, Part 18	P/8760 hrs. or 5 yrs.	A-406 Date: 9/15/20 Result: <0.0004 lb/hr Hours: 347
Flare CH ₄	BAAQMD Condition 17741, Part 17	Y	A406: 0.9 lb/MMBtu (digester gas combustion)	BAAQMD Condition 17741, Part 18	P/8760 hrs. or 5 yrs.	A-406 Date: 9/15/20 Result: <0.01 lb/MMBtu Hours: 347
Flare Heat Input	BAAQMD Condition 17741, Part 9 & 10	Y	A406: 605 MMBtu/day A407: 6,567 MMBtu/day (digester gas combustion)	BAAQMD Condition 17741, Parts 19	P/M	A-406 Date: 8/30/23 Result: 50 MMBtu/day A-407 Date: 3/6/23 Result: 20 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 °F (digester gas combustion)	BAAQMD Condition 17741, Part 12	P/W	A-406 Date: 8/30/23 Min. Temp.: 1493 °F <i>Note: Min. value for this reporting period.</i>
Digester Gas Sulfur Content	BAAQMD Condition 17741, Part 3.a & 3.b	Y	315 ppm total sulfur	BAAQMD Condition 17741, Part 5	P/W	S-210 Date: 5/3/23 Result: 199 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: 9/1/22 - 8/31/23 Result: 0.123 tons/12-mo.
H ₂ S Emissions Digester Gas Release	BAAQMD Condition 17741, Part 8.a		1.22 lb/hr (Including digesters' PRVs)	BAAQMD Condition 17741, Part 8	P/D	S-210 Date: None Result: 0.00 lb/hr <i>Note: Max. value for this reporting period.</i>

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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 (digester gas/natural gas combustion)	BAAQMD Condition 26639, Part 18	P/ 8760 hrs.	S-67	Date: 8/3/22	Result: 6.2 ppm	Hours: 7487
						S-68	Date: 5/20/22	Result: 5.0 ppm	Hours: 6454
						S-69	Date: 5/19/22	Result: 6.7 ppm	Hours: 5974
						S-70	Date: 8/2/22	Result: 9.4 ppm	Hours: 7607
<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 (digester gas/natural gas combustion)	BAAQMD Condition 26639, Part 12	720 hours portable analyzer	S-67	Date: 8/18/23	Result: 8.9 ppm	Hours: 313
						S-68	Date: 8/31/23	Result: 6.4 ppm	Hours: 10.5
						S-69	Date: 4/5/23	Result: 6.4 ppm	Hours: 98
						S-70	Date: 8/30/23	Result: 8.2 ppm	Hours: 34.5
<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 (digester gas/natural gas combustion)	BAAQMD Condition 26639, Part 18	P/ 8760 hrs.	S-67	Date: 8/3/22	Result: 0.080 g/bhp-hr	Hours: 7487
						S-68	Date: 5/20/22	Result: 0.065 g/bhp-hr	Hours: 6454
						S-69	Date: 5/19/22	Result: 0.088 g/bhp-hr	Hours: 5974
						S-70	Date: 8/2/22	Result: 0.121 g/bhp-hr	Hours: 7607
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: 9/1/22 - 8/31/23	Result: 8.8 tons/12-mo.	
						S-68			
						S-69			
						S-70			
CO	Condition 26639, Part 11	Y	130 ppmv @ 15% O ₂ , dry (digester gas/natural gas combustion)	BAAQMD Condition 26639, Part 18	P/ 8760 hrs.	S-67	Date: 8/3/22	Result: 5.3 ppm	Hours: 7487
						S-68	Date: 5/20/22	Result: 5.4 ppm	Hours: 6454
						S-69	Date: 5/19/22	Result: 5.4 ppm	Hours: 5974
						S-70	Date: 8/2/22	Result: 4.3 ppm	Hours: 7607
CO	BAAQMD Condition 26639, Part 11	N	130 ppmv @ 15% O ₂ , dry (digester gas/natural gas combustion)	BAAQMD Condition 26639, Part 12	720 hours portable analyzer	S-67	Date: 8/18/23	Result: 7.5 ppm	Hours: 313
						S-68	Date: 8/31/23	Result: 6.3 ppm	Hours: 10.5
						S-69	Date: 4/5/23	Result: 6.7 ppm	Hours: 98
						S-70	Date: 8/30/23	Result: 4.5 ppm	Hours: 34.5
CO	BAAQMD Condition 26639, Part 11	Y	0.89 grams/bhp-hr (digester gas/natural gas combustion)	BAAQMD Condition 26639, Part 18	P/ 8760 hrs.	S-67	Date: 8/3/22	Result: 0.04 g/bhp-hr	Hours: 7487
						S-68	Date: 5/20/22	Result: 0.04 g/bhp-hr	Hours: 6454
						S-69	Date: 5/19/22	Result: 0.04 g/bhp-hr	Hours: 5974
						S-70	Date: 8/2/22	Result: 0.03 g/bhp-hr	Hours: 7607
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: 9/1/22 - 8/31/23	Result: 3.9 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 (digester gas/natural gas combustion)	BAAQMD Condition 26639, Part 18	P/ 8760 hrs.	S-67	Date: 8/3/22	Result: 0.011 ppm	Hours: 7487
						S-68	Date: 5/20/22	Result: 0.012 ppm	Hours: 6454
						S-69	Date: 5/19/22	Result: 0.009 ppm	Hours: 5974
						S-70	Date: 8/2/22	Result: 0.012 ppm	Hours: 7607
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: 9/1/22 - 8/31/23	Result: 1.3 tons/12-mo.	
						S-68			
						S-69			
						S-70			
						S-72			
						S-73			

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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 (digester gas/natural gas combustion)	BAAQMD Condition 26639, Part 18	P/ 8760 hrs.	S-67 Date: 8/3/22 Result: 0.012 lb/hr Hours: 7487 S-68 Date: 5/20/22 Result: 0.015 lb/hr Hours: 6454 S-69 Date: 5/19/22 Result: 0.018 lb/hr Hours: 5974 S-70 Date: 8/2/22 Result: 0.011 lb/hr Hours: 7607
POC (NMOC)	BAAQMD Condition 26639, Part 15	Y	0.12 grams/bhp-hr (digester gas/natural gas combustion)	BAAQMD Condition 26639, Part 18	P/ 8760 hrs.	S-67 Date: 8/3/22 Result: 0.10 ppm Hours: 7487 S-68 Date: 5/20/22 Result: 0.14 ppm Hours: 6454 S-69 Date: 5/19/22 Result: 0.15 ppm Hours: 5974 S-70 Date: 8/2/22 Result: 0.09 ppm Hours: 7607 <i>Note: BAAQMD Resolution No. 1390 allows for 10% margin error.</i>
POC (CH ₄)	BAAQMD Condition 26639, Part 15	Y	30.6 ppmv @ 15% O ₂ dry (digester gas/natural gas combustion)	BAAQMD Condition 26639, Part 18	P/ 8760 hrs.	S-67 Date: 8/3/22 Result: 22.6 ppm Hours: 7487 S-68 Date: 5/20/22 Result: 31.7 ppm Hours: 6454 S-69 Date: 5/19/22 Result: 32.7 ppm Hours: 5974 S-70 Date: 8/2/22 Result: 20.1 ppm Hours: 7607 <i>Note: BAAQMD Resolution No. 1390 allows for 10% margin error.</i>
NH ₃	BAAQMD Condition 26639, Part 16	Y	10 ppmv @ 15% O ₂ dry (digester gas/natural gas combustion)	BAAQMD Condition 26639, Part 18	P/ 8760 hrs.	S-67 Date: 8/3/22 Result: 0.85 ppm Hours: 7487 S-68 Date: 5/20/22 Result: 0.41 ppm Hours: 6454 S-69 Date: 5/19/22 Result: 0.33 ppm Hours: 5974 S-70 Date: 8/2/22 Result: 0.80 ppm Hours: 7607
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: 8/3/23 Result: 0.2 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: 9/1/22 - 8/31/23 Result: 667,492 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: 8/30/23 Min. Temp.: 780 °F Date: 7/21/23 Max. Temp.: 880 °F S-68 Date: 4/25/23 Min. Temp.: 769 °F Date: 3/8/23 Max. Temp.: 891 °F S-69 Date: 4/18/23 Min. Temp.: 792 °F Date: 3/8/23 Max. Temp.: 894 °F S-70 Date: 4/13/23 Min. Temp.: 804 °F Date: 4/22/23 Max. Temp.: 904 °F <i>Note: Min. & max. values for this reporting period.</i>

SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT

SAN JOSE CA BAAQMD PERMIT #778

SEMI-ANNUAL MONITORING REPORT

REPORTING PERIOD: 3/1/2023 - 8/31/2023

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

Table VII— M

Applicable Limits and Compliance Monitoring Requirements

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

S-73, Dual Fueled Digester Gas/Natural Gas Firetube 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: 4/12/23	Result: 8.7 ppm	S-73 Date: 4/13/23	Result: 7.0 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: 4/12/23	Result: 7.1 ppm	S-73 Date: 4/13/23	Result: 6.0 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	Natural gas: S-72 Date: 4/12/23	Result: <0.5 ppm	S-73 Date: 4/13/23	Result: <0.5 ppm		
						Digester Gas: S-72 Date: 4/12/23	Result: <0.5 ppm	S-73 Date: 4/13/23	Result: <0.5 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: 7/11/23	Result: <1.1 ppm	Hours: 34	S-73 Date: 7/13/23	Result: <1.1 ppm	Hours: 18
						<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: 7/12/23	Result: <1.0 ppm	Hours: 48	S-73 Date: 7/14/23	Result: <1.1 ppm	Hours: 18
						<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: 8/30/23	Result: 4.2 lb/day	PM Source Test Dates: NG hrs.: 34 DG hrs.: 48	S-73 Date: 7/14/23	Result: 3.7 lb/day	PM Source Test Dates: NG hrs.: 18 DG hrs.: 18
						<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: 8/3/23	Result: 0.2 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: 9/1/22 - 8/31/23	Result: 10,425 MMBtu/12-mo.	S-73 Date: 9/1/22 - 8/31/23	Result: 8,725 MMBtu/12-mo.		

SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT

SAN JOSE CA BAAQMD PERMIT #778

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Table VII— N

Applicable Limits and Compliance Monitoring Requirements

S-110, Preliminary Treatment

A-20, Biotrickling Filter

S-120, Primary Treatment

A-6, Adsorption, Activated Carbon/Charcoal

S-200, Sludge Handling

A-5, Biotrickling Filter

Type of Limit	Citation for Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	RESULTS
H ₂ S	BAAQMD Condition 26312, Part 2 & 27178 Part 2	Y	1.5 ppm, outlet	BAAQMD Condition 26312, Part 4 & 27178 Part 3	P/W	A-5 Date: 4/19/23 Result: 0.40 ppm A-6 Date: 5/3/23 Result: 0.02 ppm A-20 Date: 5/10/23 Result: 1.45 ppm <i>Note: Max. value for this reporting period.</i>
POC	BAAQMD Condition 26312, Part 2	Y	10 ppm, outlet	BAAQMD Condition 26312, Part 4	P/W	A-6 Date: 6/21/23 Result: 5.9 ppm <i>Note: Max. value for this reporting period.</i>