

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. CI 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

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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.

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— 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	Citation	FE		Monitoring Requirement	Monitoring Frequency			RES	ULTS		
Limit	for Limit	Y/N	Limit	Citation	(P/C/N)						
NO _x	BAAQMD	Υ	70 ppmv	BAAQMD	P/ 8760 hrs.	S-9	Date: 4/12/19	Result:	37.3 ppm	Hours:	2946
	Regulation		@ 15% O ₂ , dry	Condition		S-10	Date: 2/27/20	Result:	13.4 ppm	Hours:	1275
	9-8-302.1		(waste gas combustion)	17899,		S-11	Date: 6/21/18	Result:	19.0 ppm	Hours:	7252
				Part 9.b		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	N	70 ppmv	BAAQMD	Quarterly	S-9	Date: 8/7/20	Result:	42 ppm		
	Regulation		@ 15% O ₂ , dry	Regulation	portable	S-10	Date: 7/27/20	Result:	25 ppm		
	9-8-302.1		(waste gas combustion)	9-8-503	analyzer	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		
СО	BAAQMD	Υ	1620 ppmv	BAAQMD	P/ 8760 hrs.	S-9	Date: 4/12/19	Result:	244.0 ppm	Hours:	2946
	Condition		@ 15% O ₂ , dry	Condition		S-10	Date: 2/27/20	Result:	262.0 ppm	Hours:	1275
	17899,		(waste gas combustion)	17899,		S-11	Date: 6/21/18	Result:	319.9 ppm	Hours:	7252
	Part 3			Part 9.b		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
СО	BAAQMD	N	2000 ppmv	BAAQMD	Quarterly	S-9	Date: 8/7/20	Result:	235 ppm		
	Regulation		@ 15% O ₂ , dry	Regulation	portable	S-10	Date: 7/27/20	Result:	293 ppm		
	9-8-302.3		(waste gas combustion)	9-8-503	analyzer	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	Υ	225 ppmv for Digester gas	BAAQMD	P/ 8760 hrs.	S-9	Date: 4/12/19	Result:	35.3 ppm	Hours:	2946
	Condition		@ 15% O ₂ , dry	Condition		S-10	Date: 2/27/20	Result:	18.1 ppm	Hours:	1275
	17899,			17899,		S-11	Date: 6/21/18	Result:	67.5 ppm	Hours:	7252
	Part 4		108 ppm for Landfill gas	Part 9.b&c		S-12	Date: 9/29/15	Result:	64.0 ppm	Hours:	8349
			@ 3% O2 dry			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	Υ	300 ppmv outlet SO ₂	BAAQMD	P/D	S210	Date: 7/27/20	Result:	247 ppm		
1	Regulation	1	350 ppmv TRS digester gas	Condition							
	9-1-302			17741,							
				Part 4							
		<u> </u>					Max. value for a da				
Key	BAAQMD	Υ	Cylinder Temperature	BAAQMD	Continuous	S-9, S-	-10, S-11, S-12, S-	13 and S-	14: No data to	report.	
Parameter	Regulation	1	>600 degrees F	Condition							
	8-34-509			17898,					, ,		
				Part 8a			None of the source ng period.	is listed at	oove combuste	a ianatili gas i	for this
Gas Flow	BAAQMD	Υ	Record Every 5 Minutes	BAAQMD	P/15 minutes		-10, S-11, S-12, S-	13 and S-	14: Flows are	recorded	
	Regulation			Condition		continu	uously.				
1	8-34-508	1		17898,							
1		1		Part 7a							

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— 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

				Monitoring	Monitoring				
Type of	Citation	FE		Requirement	Frequency			RESULTS	
Limit	for Limit	Y/N	Limit	Citation	(P/C/N)				
Heat	BAAQMD	Υ	S9: 525.4 MM Btu/per day	BAAQMD	P/M	S-9	Date: 5/19/20	Result: 450.2 MM Btu/day	(Max.)
Input	Condition		S10: 525.4 MM Btu/per day	Condition		S-10	Date: 3/17/20	Result: 424.8 MM Btu/day	(Max.)
	17899		S11: 525.4 MM Btu/per day	17899,		S-11	Date: 4/23/20	Result: 472.5 MM Btu/day	(Max.)
	Part 5		S12: 415.5 MM Btu/per day	Part 5		S-12	Date: 3/19/20	Result: 364.5 MM Btu/day	(Max.)
			S13: 415.5 MM Btu/per day			S-13	Date: 4/22/20	Result: 347.7 MM Btu/day	(Max.)
			S14: 415.5 MM Btu/per day			S-14	Date: 4/22/20	Result: 378.5 MM Btu/day	(Max.)
								•	` ′
						Note: I	Max. value for a da	y during this reporting period.	

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	Citation	FE		Monitoring Requirement	Monitoring Frequency			RESUL	тѕ
Limit	for Limit		Limit	Citation	(P/C/N)				
Coating	BAAQMD	Υ	Coatings	BAAQMD	P/D	S-71	Date: 8/31/20	Result:	9 Gal./12 months
Throughput	Condition		50 gal/12 months	Condition		S-16	Date: 8/31/20	Result:	0 Gal./12 months
	17737			17737					
	Part 1			Part 3					
Primer	BAAQMD	Υ	Primer	BAAQMD	P/D	S-71	Date: 8/31/20	Result:	5 Gal./12 months
Throughput	Condition 17737 Part 1		50 gal/12 months	Condition 17737 Part 3		S-16	Date: 8/31/20	Result:	0 Gal./12 months
Solvent	BAAQMD	Υ	Methyl Ethyl Ketone	BAAQMD	P/D	S-71	Date: 8/31/20	Result:	9 Gal./12 months
Throughput	Condition 17737 Part 2		50 gal/12 months Mineral Spirits 50 gal/12 months	Condition 17737 Part 3		S-16	Date: 8/31/20	Result:	31 Gal./12 months
VOC	BAAQMD Regulation 8-19-301.1	Υ	Baked Coating 2.3 lb/gal max VOC	BAAQMD Regulation 8-19-501	P/W	No bak	ced coatings used.		
VOC	BAAQMD Regulation 8-19-301.1	Υ	Air Dried Coating 2.8 lb/gal max VOC	BAAQMD Regulation 8-19-501	P/W	VOC o		ting used is	less than 2.8 lb/gal. (Paint Shop

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

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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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Applicable Limits and Compliance Monitoring Requirements

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

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

				Monitoring	Monitoring						
Type of	Citation	FE		Requirement	Frequency			RES	ULTS		
Limit	for Limit	_	Limit	Citation	(P/C/N)						
NO _x	BAAQMD	Υ	70 ppmv	BAAQMD	P/ 8760 hrs.	S-36	Date: 9/13/17	Result:	23.7 ppm	Hours:	2642
	Regulation		@ 15% O ₂ , dry	Condition		S-37	Date: 10/5/19	Result:	44.2 ppm	Hours:	5713
	9-8-302.1		(waste gas combustion)	17900,							
				Part 10							
NO _x	BAAQMD	N	70 ppmv	BAAQMD	Quarterly	S-36	Date: 7/30/20	Result:	26.9 ppm		
	Regulation		@ 15% O ₂ , dry	Regulation	portable	S-37	Date: 8/5/20	Result:	43.0 ppm		
	9-8-302.1		(waste gas combustion)	9-8-503	analyzer						
NO _x	BAAQMD	Υ	1.6 gram/bhp-hr	BAAQMD	P/ 8760 hrs.	S-36	Date: 9/13/17	Result:	0.04 g/bhp-hr	Hours:	2642
_X	Condition	ľ	l grannshp in	Condition	1 7 07 00 1110.	S-37	Date: 10/5/19	Result:	0.77 g/bhp-hr	Hours:	5713
	17900			17900		0.	2410. 10/0/10		5 g, 2p		0
	Part 2			Part 10.b							
NO _x	BAAQMD	Y	774 lb/24 hours	BAAQMD	P/M	S-36	Date: 5/19/20	Result:	143.6 lb/day		
ΝΟχ	Condition	ľ	combined emissions	Condition	1 /141	S-37	Date: 0/15/20	r (Court.	143.0 lb/day		
	17900		from S-36, S-37, S-38	17900		S-38					
	Part 16		and S-39	Part 18		S-39					
СО	BAAQMD	V	2000 ppmv	BAAQMD	P/ 8760 hrs.	Note: N S-36	Max. value for a da Date: 9/13/17		his reporting perion 221.4 ppm	od. Hours:	2642
CO	Regulation	'	@ 15% O ₂ , dry	Condition	F/ 6/00 IIIS.	S-37	Date: 10/5/19		282.7 ppm	Hours:	5713
	9-8-302.3		(waste gas combustion)	17900,		0-37	Date. 10/3/19	rtesuit.	202.7 ppiii	riours.	37 13
	3-0-002.0		(waste gas combastion)	Part 10							
CO	BAAQMD	N	2000 ppmv	BAAQMD	Overterly	S-36	Date: 7/30/20	Desults	332.5 ppm		
CO	Regulation	IN	@ 15% O ₂ , dry	Regulation	Quarterly portable	S-37	Date: 8/5/20	Result:	252.2 ppm		
	9-8-302.3		(waste gas combustion)	9-8-503	l'	3-37	Date. 0/3/20	Mesuit.	232.2 ppm		
	9-0-302.3		(waste gas combustion)	9-6-503	analyzer						
CO	BAAQMD	Υ	546 lb/24 hr period/engine	BAAQMD	P/ 8760 hrs.	S-36	Date: 9/13/17	Result:	399.5 lb/day	Hours:	2642
	Condition			Condition		S-37	Date: 10/5/19	Result:	543.3 lb/day	Hours:	5713
	17900			17900							
	Part 3			Part 10.b							
SO ₂	BAAQMD	Υ	300 ppmv outlet SO ₂	BAAQMD	P/D	S-210	Date: 7/27/20	Result:	247 ppm		
	Regulation		350 ppmv TRS digester gas	Condition							
	9-1-302			17741,							
				Part 4		Note: N	Max. value for a da	av durina ti	his renorting perio	nd	
SO ₂	BAAQMD	Υ	150 lb/24 hours	BAAQMD	P/M	S-36	Date: 5/13/20	Result:	14.3 lb/day	iu.	
_	Condition		combined emissions	Condition		S-37			,		
						S-38					
	17900		from S-36, S-37, S-38	17900		S-39					
	Part 17		and S-39	Part 18		Note: N	Max. value for a da	av durina ti	his reportina perio	od.	
FP	BAAQMD	Υ	36.4 lb/24 hr period	BAAQMD	P/ 8760 hrs.	S-36	Date: 9/13/17	Result:	4.2 lb/day	Hours:	2642
	Condition,			Condition		S-37	Date: 10/5/19	Result:	2.0 lb/day	Hours:	5713
	17900			17900							
	Part 4			Part 10.b							
NMHC	BAAQMD	Υ	87.8 lb/24 hr period	BAAQMD	P/ 8760 hrs.	S-36	Date: 9/13/17	Result:	6.7 lb/day	Hours:	2642
	Condition			Condition		S-37	Date: 10/5/19	Result:	8.5 lb/day	Hours:	5713
	17900			17900							
	part 5a			Part 10.c							
NMHC	BAAQMD	Υ	108 ppm for Landfill gas	BAAQMD	P/ 8760 hrs.	S-36 ar	nd S-37: No data t	o report.			
	Condition		@ 3% O ₂ dry	Condition				-			
	17900			17900							
	Part 5b.			Part 10.c		Note: N	lone of the source	es listed ab	ove combusted la	andfill gas	for this
						reportir	ng period.				

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Applicable Limits and Compliance Monitoring Requirements

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

				Monitoring	Monitoring	
Type of	Citation	FE		Requirement	Frequency	RESULTS
Limit	for Limit	Y/N	Limit	Citation	(P/C/N)	
Heat	BAAQMD	Υ	S36: 792 MM Btu/per day	BAAQMD	P/M	S-36 Date: 6/24/20 Result: 509 MMBtu/day
Input	Condition 17900 Part 6		S37: 792 MM Btu/per day	Condition 17900 Part 18		S-37 Date: 8/19/20 Result: 629 MMBtu/day
						Note: Max. value for a day during this reporting period.
Key Parameter	BAAQMD Regulation 8-34-509	Υ	Cylinder Temperature >600 degrees F	BAAQMD Condition 17900 Part 9a	Continuous	S-36 and S-37: No data to report. Note: None of the sources listed above combusted landfill gas for this reporting period.
Gas Flow	BAAQMD Regulation 8-34-508	Υ	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)			RESI	ULTS		
NO _x	BAAQMD	Y	15 ppmv, dry	BAAQMD	P/A	S-38	Date: 12/17/19	Result:	6.8 ppm	Hours:	920
	Regulation 9-7-307.3		@ 3% O ₂	Condition 17900 Part 19 & 20		S-39	Date: 12/17/19	Result:	8.1 ppm	Hours:	2069
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	S-36 S-37 S-38 S-39	Date: 5/19/20 Max. value for a da	Result:	143.6 lb/day	riod.	
СО	BAAQMD Regulation 9-7-301.3	Υ	400 ppmv, dry @ 3% O ₂	BAAQMD Condition 17900, Part 19	P/A	S-38 S-39	Date: 12/17/19 Date: 12/17/19	Result:	0.4 ppm 0.4 ppm	Hours: Hours:	920 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 Max. value for a da	Result:	247 ppm	riod.	
SO ₂	BAAQMD Condition 17900, Part 17	Υ	150lb/24 hr combined emissions from S-36-37-38, and 39	BAAQMD Condition 17900 Part 18	P/M	S-36 S-37 S-38 S-39	Date: 5/13/20 Max. value for a da	Result:	14.3 lb/day		
Heat	BAAQMD	Υ	S38: 12.5 MM Btu/hr	BAAQMD	P/M	S-38	Date: 4/22/20	Result:			
Input	Condition 17900, Part 15		S39: 12.5 MM Btu/hr	Condition 17900 Part 18		S-39	Date: 5/19/20 Max. value for a da	Result:	9.2 MMBtu/		

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— G

Applicable Limits and Compliance Monitoring Requirements

S-52, Sand Blast Operations

				Monitoring	Monitoring				
Type of	Citation	FE		Requirement	Frequency		F	RESULTS	
Limit	for Limit	Y/N	Limit	Citation	(P/C/N)				
Usage	BAAQMD	Υ	30 tons/12 months	BAAQMD	P/M	S-52	Date: 8/31/20	Result:	7 tons/yr
	Condition			Condition					
	9055 Part 1			9055 Part 2					

Table VII— H

Applicable Limits and Compliance Monitoring Requirements

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

Type of	Citation	FE		Monitoring Requirement	Monitoring Frequency			RES	ULTS		
NO _x	for Limit BAAQMD Regulation 9-8-302.1	Y/N Y	Limit 70 ppmv @ 15% O ₂ , dry (waste gas combustion)	BAAQMD Condition 17901 Part 14.b	(P/C/N) P/ 8760 hrs.	S-54	Date: 12/5/19	Result:	43 ppm	Hours:	598
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		
СО	BAAQMD Regulation 9-8-302.3	Υ	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
СО	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		
СО	BAAQMD Condition 17901, Part 6	Υ	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
СО	BAAQMD Condition 17901 Part 9	Υ	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	Υ	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% O2 dry	BAAQMD Condition 17901 Part 14c	P/ 8760 hrs.	Note:	No data to report. The source listed a ring period.	above did l	not combust landf	ill gas for ti	his

SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT SAN JOSE CA BAAQMD PERMIT #778 SEMI-ANNUAL MONITORING REPORT

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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
NMHC	BAAQMD Condition 17901 Part 9		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	Υ	S54: 763 MM Btu/per day	BAAQMD Condition 17901 Part 15	P/M	S-54 Date: 4/7/20 Result: 656 MMBtu/day
Key Parameter	BAAQMD Regulation 8-34-509	Y	Cylinder Temperature >600 degrees F	BAAQMD Condition 17901 Part 13a	Continuous	Note: Max. value for a day during this reporting period. S-54: No data to report. Note: The source listed above did not combust landfill gas for this reporting period.
Gas Flow	BAAQMD Regulation 8-34-508	Υ	Record Every 5 Minutes	BAAQMD Condition 17901 Part 12a	P/15 minutes	S54: Flow is recorded continuously.
SO ₂	BAAQMD Regulation 9-1-302	Υ	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 Note: Max. value for a day during this reporting period.
SO ₂	BAAQMD Condition 17901 Part 9	Υ	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	Υ	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	Υ	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	Υ	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

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— 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)		RESUL	TS	
Reliability-	BAAQMD	N	20 hrs./yr	BAAQMD	P/M	S-55	Date: 8/31/20	Result:	0.0 hrs./yr
Related	Condition			Condition		S-56	Date: 8/31/20	Result:	3.8 hrs./yr
Hours	22820			22820		S-57	Date: 8/31/20	Result:	0.0 hrs./yr
	Part 1			Parts 3 & 4					-
							S57 went out of service startingice starting on March 2017.	g on January 2017,	S55 went out

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

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

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— 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. Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90-day period.	
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. Note: Project is under construction. Three engines were started it August 2020 therefore they are all still far from reaching near 720 hours of operation.	
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. Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90-day period.	
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. Note: Value will be calculated once emission rates are determined by the source testing.	
СО	Condition 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. Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90-day period.	
СО	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. 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.	
со	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. Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90 day period.	
со	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. Note: Value will be calculated once emission rates are determined by the source testing.	
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. Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90-day period.	
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	

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— 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

Formal-	BAAQMD	Υ	0.41 lb/hr	BAAQMD	P/ 8760 hrs.	S-67, S-68, S-69 and S-70: No data to report yet.
dehyde	Condition 26639 Part 14			Condition 26639 Part 18		Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90-day period.
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. Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90-day period.
POC (CH ₄)	BAAQMD Condition 26639 Part 15	Y	30.6 ppmv @ 15% O2 dry	BAAQMD Condition 26639 Part 18	P/ 8760 hrs.	S-67, S-68, S-69 and S-70: No data to report yet. Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90-day period.
NH3	BAAQMD Condition 26639 Part 16	Y	10 ppmv @ 15% O2 dry	BAAQMD Condition 26639 Part 18	P/ 8760 hrs.	S-67, S-68, S-69 and S-70: No data to report yet. Note: Project is under construction. Three engines were started in August 2020. Start-up source testing will be completed within the 90-day period.
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) Note: All monthly test results for the compliance period show "not detectable" for Sulfur.
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. Note: Project is under construction. Three engines were started in August 2020. SCR catalysts have not been in service yet.

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— 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)			RESU	LTS		
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 S-73	Date: 7/16/20 Date: 7/17/20	Result: Result:	6.7 ppm 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 S-73	Date: 7/24/20 Date: 7/23/20	Result: Result:	4.2 ppm 4.7 ppm		
со	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	Natura S-72 S-73 Digeste S-72 S-73	Date: 7/16/20 Date: 7/17/20	Result: Result: Result: Result:	<2.2 ppm <2.2 ppm <2.2 ppm <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 S-73	Date: 7/16/20 Date: 7/17/20	Result: Result:	<2.2 ppm <2.2 ppm	Hours: Hours:	67 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 S-73	Date: 7/24/20 Date: 7/23/20	Result: Result:	<2.2 ppm <2.1 ppm	Hours: Hours:	67 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 S-73	Date: 7/24/20 Date: 7/23/20 Max. value for a da	Result: Result:	0.2 lb/day 0.2 lb/day		
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:		ximum con	centration du	ring compliance	
Heat Input	BAAQMD Condition 27140 Part 2	Υ	131,794 MMBtu/ 12-month period, each	BAAQMD Condition 27140 Part 2	P/M	S-72 S-73	Date: 8/31/20 Date: 8/31/20			916 MMBtu/yr 973 MMBtu/yr	

Table VII— M Applicable Limits and Compliance Monitoring Requirements S-100, Municipal wastewater Treatment Plant

				Monitoring	Monitoring		
Type of	Citation	FE		Requirement	Frequency	R	RESULTS
Limit	for Limit	Y/N	Limit	Citation	(P/C/N)		
Wastewater	BAAQMD	Υ	167 MGD design	BAAQMD	P/W	S-100 Date: 4/6/20 M	Max Flow: 126 MGD
Throughput	Condition		360 MGD peak wet	Condition			
	17740			17740			
	Part 1			Part 2		Note: Max. value for a day durin	g this reporting period.

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— N

Applicable Limits and Compliance Monitoring Requirements

S-210, Anaerobic Digesters

				Monitoring	Monitoring	
Type of	Citation	FE		Requirement	Frequency	RESULTS
Limit	for Limit	Y/N	Limit	Citation	(P/C/N)	All D 4 04400 D 4 00400 AMARY 44
Combined	BAAQMD		5,961.7 MMBtu/day	BAAQMD	P/M	All Date: 6/4/20 Result: 2,310.2 MMBtu/day
Thermal Throughput	Condition 17741 (old)		for all sources	Condition 17741,		Note: May value for a day during this reporting paried Limit valid
Tillougriput	Part 2.a.ii.2			Parts 6 & 20		Note: Max. value for a day during this reporting period. Limit valid until approved modification to Condition 17741 issued on September
	Fait 2.a.ii.2			Faits 0 & 20		2, 2020 under Application No. 28954.
Flare	BAAQMD		74,200 Mscf/12-months	BAAQMD	P/M	A-404 Date: 8/31/20 Result: 5,014 kscf
Throughput	Condition		1,200 1,000,12 111011110	Condition	1 /101	A-405
rmougnput	17741 (old)			17741,		71 100
	Part 2.a.ii.3			Parts 6 & 20		Note: Limit valid until approved modification to Condition 17741
						issued on September 2, 2020 under Application No. 28954.
Flare	BAAQMD	Υ	A406: 0.06 lb/MMBtu	BAAQMD	P/8760 hrs	A-406: No data to report yet.
NO _x	Condition			Condition	or 5 yrs.	
	17741,			17741	_	
	Part 14			Part 18		Note: Flare was started on 7/28/20 and star-up sources testing to
						demonstrate compliance is scheduled for September 2020.
Flare	BAAQMD	Υ	A406: 0.2 lb/MMBtu	BAAQMD	P/8760 hrs	A-406: No data to report yet.
CO	Condition			Condition	or 5 yrs.	
	17741,			17741		
	Part 15			Part 18		Note: Flare was started on 7/28/20 and star-up sources testing to
	DAAOMD		0.070 lb //	DAAOMD	D/0700 h	demonstrate compliance is scheduled for September 2020.
Flare	BAAQMD	Υ	0.278 lb/hr	BAAQMD	P/8760 hrs	A-406: No data to report yet.
H ₂ S	Condition			Condition	or 5 yrs.	
	17741,			17741		N . 5
	Part 16			Part 18		Note: Flare was started on 7/28/20 and star-up sources testing to
Flare	BAAQMD	Υ	A406: 0.9 lb/MMBtu	BAAQMD	P/8760 hrs	demonstrate compliance is scheduled for September 2020. A-406: No data to report yet.
CH ₄	Condition	'	A400. 0.9 ID/WINDtu	Condition	or 5 yrs.	A-400. No data to report yet.
0114	17741,			17741	or 5 yrs.	
	Part 17			Part 18		Note: Flare was started on 7/28/20 and star-up sources testing to
	l ait ii			i ait io		demonstrate compliance is scheduled for September 2020.
Flare	BAAQMD	Υ	A406: 605 MMBtu/day	BAAQMD	P/M	A-406 Date: 8/25/20 Result: 39 MMBtu/day
Heat	Condition		A407: 6,567 MMBtu/day	Condition		A-407 Date: 7/28/20 Result: 125 MMBtu/day
Input	17741,			17741,		
	Part 9 & 10			Parts 19		
Flare	BAAQMD	Υ	A406: Maintain minimum	BAAQMD	P/W	Note: Max. value for a day during this reporting period. A-406 Date: 8/25/20 Result: 1437 °F
Combustion	Condition	ľ	temperature of	Condition	F/VV	A-406 Date. 6/25/20 Result. 145/ -F
Zone	17741,		1400 degrees F	17741		
Temperature	Part 13		1400 degrees i	Part 12		Note: Lowest temp. value for all flaring events during this reporting
· oporataro				. 4.12		period.
Digester	BAAQMD	Υ	350 ppm total sulfur	BAAQMD	P/W	S210 Date: 7/27/20 Result: 247 ppm
Gas	Condition		1	Condition		"
Sulfur	17741,		315 ppm after startup of	17741,		
Content	Part 3.a &		thermophilic digesters	Part 5		
	3.b					
					_	Note: Max. value for a day during this reporting period.
SO ₂	BAAQMD		12.722 tons/	BAAQMD	P/M	S-210: No data to report yet.
	Condition		12-month period	Condition		
	17741,			17741		
	Part 4			Part 5		Note: Not applicable until after startup of thermophilic digester
пе	DAACMD		4.00 lb/br	DAACAD.	D/D	operation.
H ₂ S	BAAQMD		1.22 lb/hr	BAAQMD	P/D	S-210: No data to report yet.
Emissions Digester	Condition			Condition		
	17741,	1	1	17741,	1	
Gas Release	Part 8.a			Part 8		Note: Not applicable until 90 days after startup of thermophilic