

Environmental Services Department

San Jose-Santa Clara Regional Wastewater Facility

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. DI 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,

All Mutsuddy

Amit Mutsuddy Deputy Director Regional Wastewater Facility

Enclosures: 1. Semi-Annual Report Table

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— 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.

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

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			RESU	JLTS		
Limit	for Limit	Y/N	Limit	Citation	(P/C/N)						
NOx	BAAQMD	Y	70 ppmv	BAAQMD	P/ 8760 hrs.	S-9	Date: 4/12/19	Result:	37.3 ppm	Hours:	4358
	Regulation		@ 15% O ₂ , dry	Condition		S-10	Date: 2/27/20	Result:	13.4 ppm	Hours:	3984
	9-8-302.1		(waste gas combustion)	17899,		S-11	Date: 2/10/21	Result:	26.7 ppm	Hours:	1306
				Part 9.b		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
							S-12 was officially re ly retired on 11/29/2				re
NO _x	BAAQMD	Ν	70 ppmv	BAAQMD	Quarterly	S-9	Date: 1/21/22	Result:	29 ppm		
	Regulation		@ 15% O ₂ , dry	Regulation	portable	S-10	Date: 1/21/22	Result:	23 ppm		
	9-8-302.1		(waste gas combustion)	9-8-503	analyzer	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		
							S-12 was last used o			last used on	
							1; both engines are				
со	BAAQMD	Y	1620 ppmv	BAAQMD	P/ 8760 hrs.	S-9	Date: 4/12/19	Result:	244.0 ppm	Hours:	4358
	Condition		@ 15% O ₂ , dry	Condition		S-10	Date: 2/27/20	Result:	262.0 ppm	Hours:	3984
	17899,		(waste gas combustion)	17899,		S-11	Date: 2/10/21	Result:	272.0 ppm	Hours:	1306
	Part 3			Part 9.b		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	Ν	2000 ppmv	BAAQMD	Quarterly	S-9	Date: 1/21/22	Result:	284 ppm		
	Regulation		@ 15% O ₂ , dry	Regulation	portable	S-10	Date: 1/21/22	Result:	396 ppm		
	9-8-302.3		(waste gas combustion)	9-8-503	analyzer	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	Y	225 ppmv for Digester gas	BAAQMD	P/ 8760 hrs.	S-9	Date: 4/12/19	Result:	35.3 ppm	Hours:	4358
	Condition		@ 15% O ₂ , dry	Condition		S-10	Date: 2/27/20	Result:	18.1 ppm	Hours:	3984
	17899,			17899,		S-11	Date: 2/10/21	Result:	22.5 ppm	Hours:	1306
	Part 4		108 ppm for Landfill gas	Part 9.b&c		S-12	Date: 8/17/20	Result:	59.4 ppm	Hours:	1239
			@ 3% O2 dry			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	Y	300 ppmv outlet SO ₂	BAAQMD	P/D	S210	Date: 10/15/21	Result:	249 ppm		
	Regulation		350 ppmv TRS digester gas	Condition							
	9-1-302			17741,							
				Part 4		Note: N	Max. value for this re	enortina ne	prind		
Кеу	BAAQMD	Y	Cylinder Temperature	BAAQMD	Continuous		10, S-11, S-12, S-1			oort.	
Parameter	Regulation		>600 degrees F	Condition					-		
	8-34-509			17898,							
				Part 8a			None of the sources ng period.	listed abo	ve combusted la	andfill gas for	this
Gas Flow	BAAQMD	Y	Record Every 5 Minutes	BAAQMD	P/15 minutes		·10, S-11, S-12, S-1	3 and S-14	4: Flows are reco	orded continu	iously.
	Regulation			Condition							
	8-34-508			17898, Part 7a							

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 (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 Monitorina RESULTS Type of Citation FE Requirement Frequency Limit for Limit Y/N Limit Citation (P/C/N) S9: 525.4 MM Btu/per day 170.6 MM Btu/day BAAQMD BAAQMD P/M S-9 Date: 2/13/22 Result: Heat Y Condition S10: 525.4 MM Btu/per day S-10 Date: 2/20/22 443.0 MM Btu/day Input Condition Result: 17899, S11: 525.4 MM Btu/per day 17899, S-11 Date: 2/28/22 Result: 466.0 MM Btu/day Part 5 S12: 415.5 MM Btu/per day 0.0 MM Btu/day Part 5 S-12 Date: N/A Result: S13: 415.5 MM Btu/per day 318.9 MM Btu/day S-13 Date: 9/11/21 Result[.] S14: 415.5 MM Btu/per day S-14 Date: 9/13/21 Result: 93.8 MM Btu/day

Note: Max. value for this reporting period.

 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)		RI	ESULTS	
Coating	BAAQMD	Y	Coatings	BAAQMD	P/D	S-15	Date: 3/1/21 - 2/28/22	Result:	0 Gal./12-Mo.
Throughput	Condition 17737, Part 1		50 gal/12 months	Condition 17737, Part 3		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 S-71	Date: 3/1/21 - 2/28/22 Date: 3/1/21 - 2/28/22	Result: Result:	0 Gal./12-Mo. 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 S-71	Date: 3/1/21 - 2/28/22 Date: 3/1/21 - 2/28/22	Result: Result:	22 Gal./12-Mo. 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 bak	ed 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 c has MS	ontent of each coating used SDS)	l is less than 2	2.8 lb/gal. (Paint Shop

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— 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)		RES	ULTS	
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	

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— 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

Monitoring Monitoring FE RESULTS Type of Citation Requirement Frequency Limit for Limit Y/N l imit Citation (P/C/N) NO_x BAAQMD 70 ppmv BAAQMD P/ 8760 hrs. S-36 Date: 9/13/17 Result: 23.7 ppm Hours: 2642 Regulation @ 15% O₂, dry Condition S-37 Date: 10/5/19 Result: 44.2 ppm 8347 Hours: 9-8-302.1 (waste gas combustion) 17900, Part 10 Note: Both engines were decomissioned on 9/22/21. Run. hrs. from last source test to end of this reporting period NO_x BAAQMD Ν 70 ppmv BAAQMD Quarterly S-36 Date: 7/30/20 Result[.] 26.9 ppm Date: 9/17/21 Regulation @ 15% O2, dry Regulation portable S-37 Result[.] 68.5 ppm 9-8-302.1 (waste gas combustion) 9-8-503 analyzer Note: EG-2 is decomissioned and was last used on 8/4/20. NOx BAAQMD BAAQMD Y 1.6 gram/bhp-hr P/ 8760 hrs. S-36 Date: 9/13/17 Result: 0.04 g/bhp-hr Hours: 2642 Condition Date: 10/5/19 Condition S-37 Result: 0.77 g/bhp-hr Hours: 8347 17900, 17900. Part 2 Part 10.b NOx BAAQMD 774 lb/24 hours BAAQMD P/M S-36 Date: 9/19/21 Result: 95.3 lb/day Υ Condition combined emissions Condition S-37 17900, from S-36, S-37, S-38 17900, S-38 Part 16 and S-39 Part 18 S-39 Note: Max. value for this reporting period. СО BAAQMD Y 2000 ppmv BAAQMD P/ 8760 hrs. S-36 Date: 9/13/17 Result: 221.4 ppm Hours 2642 Regulation @ 15% O₂, dry Condition S-37 Date: 10/5/19 Result: 282.7 ppm Hours: 8347 (waste gas combustion) 9-8-302.3 17900, Part 10 CO BAAQMD 2000 ppmv BAAQMD Quarterly S-36 Date: 7/30/20 Result: 332.5 ppm Ν Regulation Regulation @ 15% O2, dry portable S-37 Date: 9/17/21 Result: 246.55 ppm 9-8-302 3 (waste gas combustion) 9-8-503 analyzer BAAQMD 546 lb/24 hr period/engine BAAQMD P/ 8760 hrs. S-36 Date: 9/13/17 399.5 lb/dav Hours: Result: 2642 Condition Condition S-37 Date: 10/5/19 543.3 lb/day 8347 Result: Hours: 17900, 17900 Part 3 Part 10.b SO_2 300 ppmv outlet SO₂ BAAQMD Υ BAAQMD P/D S-210 Date: 10/15/21 Result[.] 249 ppm 350 ppmv TRS digester gas Condition Regulation 9-1-302 17741, Part 4 Note: Max. value for this reporting period. BAAQMD SO₂ 150 lb/24 hours BAAQMD P/M S-36 Date: 9/19/21 Result: 5.8 lb/day Condition combined emissions Condition S-37 17900, from S-36, S-37, S-38 17900, S-38 Part 17 and S-39 Part 18 S-39 Note: Max. value for this reporting period BAAQMD 36.4 lb/24 hr period BAAQMD P/ 8760 hrs. Date: 9/13/17 4.2 lb/day Hours: 2642 FP S-36 Result: Condition, Condition S-37 Date: 10/5/19 Result: 2.0 lb/day Hours: 8347 17900, 17900. Part 4 Part 10.b NMHC BAAQMD 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: 8347 17900, 17900. part 5a Part 10.c NMHC BAAQMD BAAQMD 108 ppm for Landfill gas P/ 8760 hrs. S-36 and S-37: No data to report. Condition @ 3% O₂ dry Condition 17900, 17900, Part 5b. Part 10.c Note: None of the sources listed above combusted landfill gas for this reporting period.

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— 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

Monitoring Monitoring Charles ____

				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: N/A Result: 0 MMBtu/day
Input	Condition		S37: 792 MM Btu/per day	Condition		S-37 Date: 9/19/21 Result: 577 MMBtu/day
	17900,			17900,		
	Part 6			Part 18		
						Note: Max. value for this reporting period.
Key	BAAQMD	Υ	Cylinder Temperature	BAAQMD	Continuous	S-36 and S-37: No data to report.
Parameter	Regulation		>600 degrees F	Condition		
	8-34-509		-	17900,		
				Part 9a		Note: None of the sources listed above combusted landfill gas for this
						reporting period.
Gas Flow	BAAQMD	Υ	Record Every 5 Minutes	BAAQMD	P/15 minutes	S-36 and S-37: Flows are recorded continuously.
	Regulation			Condition		
	8-34-508			17900,		
l.				Part 8a		
l.						

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	Citation	FE		Monitoring Requirement	Monitoring Frequency			RESU	LTS
Limit	for Limit		Limit	Citation	(P/C/N)				
NO _x	BAAQMD	Y	15 ppmv, dry	BAAQMD	P/A	S-38	Date: 12/13/21	Result:	12.2 ppm
	Regulation		@ 3% O ₂	Condition		S-39	Date: 12/17/20	Result:	8.1 ppm
	9-7-307.3			17900, Part 19 & 20					
							S-39 has been out o		
NO _x	BAAQMD	Y	774lbs/24hr	BAAQMD	P/M	S-36	Date: 9/19/21	Result:	95.3 lb/day
	Condition		combined emissions	Condition		S-37			
	17900,		from S-36-37-38,and 39	17900,		S-38			
	Part16			Part 18		S-39			
						Note: N	Max. value for this r	eporting per	riod.
CO	BAAQMD	Y	400 ppmv, dry	BAAQMD	P/A	S-38	Date: 12/13/21	Result:	0.6 ppm
	Regulation		@ 3% O ₂	Condition		S-39	Date: 12/17/20	Result:	0.4 ppm
	9-7-301.3			17900, Part 19					
SO ₂	BAAQMD	Y	300 ppmv outlet SO ₂	BAAQMD	P/D	S-210	Date: 10/15/21	Result:	249 ppm
	Regulation 9-1-302		350 ppmv TRS digester gas	Condition 17741, Part 4					
						Note: N	Max. value for this r	eporting per	riod.
SO ₂	BAAQMD	Y	150lb/24 hr	BAAQMD	P/M	S-36	Date: 9/19/21	Result:	5.8 lb/day
	Condition		combined emissions	Condition		S-37			
	17900,		from S-36-37-38, and 39	17900,		S-38			
	Part 17			Part 18		S-39			
						Note: N	Max. value for this r	eportina per	riod.
Heat	BAAQMD	Y	S38: 12.5 MM Btu/hr	BAAQMD	P/M	S-38	Date: 11/21/21	Result:	7.4 MMBtu/hr
Input	Condition 17900, Part 15		S39: 12.5 MM Btu/hr	Condition 17900, Part 18		S-39	Date: N/A	Result:	0.0 MMBtu/hr
				-		Note: N	Max. value for this r	eporting per	riod.

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— G

Applicable Limits and Compliance Monitoring Requirements

S-52, Sand Blast Operations

		FE Y/N	Requirement	Monitoring Frequency (P/C/N)		RI	ESULTS	
- 5	BAAQMD Condition 9055 Part 1	Y	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 Frequency (P/C/N)		RE	SULTS	
-					N 7	0.50	Data: 2/1/21 2/20/22	Desults	E 4 hms (12 mss
Reliability-	BAAQMD	Ν	20 hrs./12 month period	BAAQMD	P/M	S-56	Date: 3/1/21 - 2/28/22	Result:	5.4 hrs./12-mo.
Related	Condition			Condition					
Hours	22820,			22820,					
	Part 1			Parts 3 & 4					

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

ation FE Limit Y/N	=		De su due su e st					
Limit V/N			Requirement	Frequency		RES	BULTS	
Linu 1/1	NI	Limit	Citation	(P/C/N)				
AQMD N	ļ	50 hrs./12-month period	BAAQMD	P/M	S-66	Date: 3/1/21 - 2/28/22	Result:	1.7 hrs./12-mo.
ondition			Condition		S-222	Date: 3/1/21 - 2/28/22	Result:	14.1 hrs./12-mo.
850,			22850,		S-223	Date: 3/1/21 - 2/28/22	Result:	15.4 hrs./12-mo.
art 1			Parts 3 & 4		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.
on 85	dition 50,	dition 50,	dition 50,	dition Condition 50, 22850,	dition Condition 50, 22850, 1 Parts 3 & 4	dition Condition S-222 50, 22850, S-223	dition Condition S-222 Date: 3/1/21 - 2/28/22 50, 22850, S-223 Date: 3/1/21 - 2/28/22 1 Parts 3 & 4 S-224 Date: 3/1/21 - 2/28/22	Condition S-222 Date: 3/1/21 - 2/28/22 Result: 50, 22850, S-223 Date: 3/1/21 - 2/28/22 Result: 1 Parts 3 & 4 S-224 Date: 3/1/21 - 2/28/22 Result:

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— 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

Monitoring Monitorina Citation FE RESULTS Type of Requirement Frequency for Limit Y/N Citation (P/C/N) Limit Limit NO. BAAQMD 11 ppmv BAAQMD P/ 8760 hrs. S-67 Date: 12/7/20 Result: 8.4 ppm Hours: 3717 Y @ 15% O₂, dry Hours: Condition Condition S-68 Date: 12/11/20 Result[.] 8.3 ppm 5914 26639, 26639, S-69 Date: 11/19/20 Result: 9.8 ppm Hours: 5495 (waste gas combustion) Part 10 Part 18 S-70 Date: 11/20/20 Result: 8.8 ppm Hours: 5022 Note: Run. hrs. from last source test to end of this reporting period NO_x BAAQMD 11 ppmv Ν BAAQMD 720 hours S-67 Date: 1/7/22 Result: 7.7 ppm Hours: 80 @ 15% O₂, dry Condition Condition portable S-68 Date: 1/18/22 Result: 5.7 ppm Hours: 207 26639. 26639 S-69 Date: 1/31/22 7.6 ppm (waste gas combustion) analyzer Result: Hours: 13 Part 10 Part 12 S-70 Date: 1/18/22 Result: 8.7 ppm Hours: 299 Note: Run. hrs. from last test to the end of this reporting period. NO_x BAAQMD 0.124 gram/bhp-hr BAAQMD P/ 8760 hrs. S-67 Date: 12/7/20 Result: 0.105 g/bhp-hr 3717 Υ Hours: Condition Condition S-68 Date: 12/11/20 Result. 0.122 g/bhp-hr 5914 Hours: 26639. 26639. S-69 Date: 11/19/20 Result: 0.114 g/bhp-hr Hours: 5495 Part 10 S-70 0.124 g/bhp-hr Part 18 Date: 11/20/20 Result: Hours: 5022 NOx BAAQMD 23.15 tons/12-month period BAAQMD P/D & P/M S-67 Date: 3/1/21 - 2/28/22 Result: 7.8 tons/12-mo. S-68 Condition Condition 26639. S-69 26639 Part 10 Part 15 S-70 СО Condition 130 ppmv BAAQMD P/ 8760 hrs. S-67 Date: 12/7/20 Result: 4.7 ppm Hours: 3717 Y Condition @ 15% O₂, dry Condition S-68 Date: 12/11/20 Result[.] 5.7 ppm Hours: 5914 26639, (waste gas combustion) 26639, S-69 Date: 11/19/20 Result: 3.7 ppm Hours: 5495 Part 11 S-70 Part 18 Date: 11/20/20 4.6 ppm Hours: 5022 Result: СО BAAQMD Ν BAAQMD 720 hours S-67 Date: 1/7/22 Result: 4.9 ppm Hours: 130 ppmv 80 Condition S-68 207 @ 15% O₂, dry Condition Date: 1/18/22 Result[.] 5.6 ppm Hours: portable 26639, (waste gas combustion) 26639, analyzer S-69 Date: 1/31/22 Result: 6.6 ppm Hours: 13 S-70 299 Part 11 Part 12 Date: 1/18/22 Result: 4.2 ppm Hours: СО BAAQMD γ 0.89 grams/bhp-hr BAAQMD P/ 8760 hrs. S-67 Date: 12/7/20 Result: 0.04 g/bhp-hr Hours: 3717 Condition Condition S-68 Date: 12/11/20 Result: 0.04 g/bhp-hr Hours: 5914 26639. 26639. S-69 Date: 11/19/20 0.03 g/bhp-hr 5495 Result: Hours: Part 11 Part 18 S-70 Date: 11/20/20 Result: 0.04 g/bhp-hr Hours: 5022 CO BAAQMD BAAQMD 166.17 tons/12-month period P/D & P/M S-67 Date: 3/1/21 - 2/28/22 Result: 2.5 tons/12-mo. Y Condition Condition S-68 26639. 26639. S-69 Part 11 S-70 Part 15 PM_{2.5} or BAAQMD 0.07 grams/bhp-hr BAAQMD P/ 8760 hrs. S-67 Date: 12/7/20 Result: 0.014 ppm Hours: 3717 PM₁₀ Condition Condition S-68 Date: 12/11/20 Result: 0.013 ppm Hours: 5914 26639, 26639 S-69 Date: 11/19/20 Result: 0.011 ppm Hours: 5495 Part 13 Part 18 S-70 Date: 11/20/20 Result: 0.026 ppm Hours: 5022 Total PM BAAQMD BAAQMD P/D & P/M S-67 Date: 3/1/21 - 2/28/22 Result: 1.1 tons/12-mo. 13.07 tons/12-month period Condition Cogen Project, Condition S-68 26639, includes condensable and 26639, S-69 Part 13 Part 15 S-70 filterable PM & 14 S-72 S-73

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— 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

Formal-	BAAQMD	Y	0.41 lb/hr	BAAQMD	P/ 8760 hrs.	S-67	Date: 12/7/20	Result:	0.005 lb/hr	Hours:	3717
dehyde	Condition			Condition		S-68	Date: 12/11/20	Result:	0.004 lb/hr	Hours:	5914
	26639,			26639,		S-69	Date: 11/19/20	Result:	0.017 lb/hr	Hours:	5495
	Part 14			Part 18		S-70	Date: 11/20/20	Result:	0.004 lb/hr	Hours:	5022
POC	BAAQMD	Y	0.12 grams/bhp-hr	BAAQMD	P/ 8760 hrs.	S-67	Date: 12/7/20	Result:	0.1 ppm	Hours:	3717
(NMOC)	Condition			Condition		S-68	Date: 12/11/20	Result:	0.07 ppm	Hours:	5914
	26639,			26639,		S-69	Date: 11/19/20	Result:	0.08 ppm	Hours:	5495
	Part 15			Part 18		S-70	Date: 11/20/20	Result:	0.1 ppm	Hours:	5022
POC	BAAQMD	Y	30.6 ppmv	BAAQMD	P/ 8760 hrs.	S-67	Date: 12/7/20	Result:	22.3 ppm	Hours:	3717
(CH ₄)	Condition		@ 15% O2 dry	Condition		S-68	Date: 12/11/20	Result:	14.9 ppm	Hours:	5914
	26639,			26639,		S-69	Date: 11/19/20	Result:	18.7 ppm	Hours:	5495
	Part 15			Part 18		S-70	Date: 11/20/20	Result:	22 ppm	Hours:	5022
NH3	BAAQMD	Y	10 ppmv	BAAQMD	P/ 8760 hrs.	S-67	Date: 12/7/20	Result:	0.95 ppm	Hours:	3717
	Condition		@ 15% O2 dry	Condition		S-68	Date: 12/11/20	Result:	1.05 ppm	Hours:	5914
	26639,			26639,		S-69	Date: 11/19/20	Result:	0.52 ppm	Hours:	5495
	Part 16			Part 18		S-70	Date: 11/20/20	Result:	0.86 ppm	Hours:	5022
SO ₂	BAAQMD	Y	50 ppm total sulfur	BAAQMD	P/M	A9 &	Date: 11/1/21	Result:	16.5 ppm		
	Condition		digester gas treated by	Condition		A18					
	26639,		A9 and A18	26639,							
	Part 4			Part 20							
							Max. value for this r				
Heat	BAAQMD	Y	Combined heat input	BAAQMD	P/M	S-67	Date: 3/1/21 - 2/	28/22	Result: 466	,553 MMBtu/12	?-mo.
Input	Condition		1,084,974 MMBtu/	Condition		S-68					
	26639,		12-month period	17901,		S-69					
	Part 2			Part 15		S-70					
SCR	BAAQMD	Y	Maintain exhaust gas	BAAQMD	P/M	S-67	Date: 11/8/21		Temp.:	846 °F	
Catalyst	Condition		temperature within range:	Condition			Date: 1/1/22		Temp.:	899 °F	
Temp.	26639,		575°F to 960° F	26639,		S-68	Date: 9/5/21		Temp.:	777 °F	
	Part 6			Part 22			Date: 9/3/21		Temp.:	894 °F	
						S-69	Date: 9/6/21		Temp.:	763 °F	
						0.70	Date: 9/3/21		Temp.:	882 °F	
						S-70	Date: 9/3/21		Temp.:	764 °F	
							Date: 1/25/22	Max.	Temp.:	900 °F	
						Note: I	Min. & max. values	for this rep	orting period.		

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— 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)			RESL	ILTS		
NO _x	BAAQMD	Y	9 ppmv, dry	BAAQMD	P/A	S-72	Date: 6/9/21	Result:	8.1 ppm		
	Condition		@ 3% O ₂	Condition		S-73	Date: 6/8/21	Result:	8.2 ppm		
	27140, Part 4.a.i		when firing natural gas	27140, Part 9							
NO _x	BAAQMD Condition	Y	20 ppmv, dry @ 3% O ₂	BAAQMD Condition	P/A	S-72 S-73	Date: 6/9/21 Date: 6/8/21	Result: Result:	9.7 ppm 5.0 ppm		
	27140, Part 4.a.ii		when firing digester gas	27140, Part 9							
со	BAAQMD	Y	50 ppmv, dry @ 3% O ₂	BAAQMD	P/A	S-72 S-73	Date: 6/9/21	Result:	2.1 ppm		
	Condition 27140, Part 4.c.i		@ 3% O₂ when firing natural gas or digester gas	Condition 17900, Part 9		5-73	Date: 6/8/21	Result:	2.1 ppm		
POC	BAAQMD	Y	15 ppmv, dry	BAAQMD	P/8760 hrs.	S-72	Date: 6/9/21	Result:	<2.1 ppm	Hours:	974
	Condition 27140, Part 4.b.i		$@ 3\% O_2$ when firing natural gas	Condition 27140, Part 10	or 3 yrs	S-73	Date: 6/8/21	Result:	<2.1 ppm	Hours:	817
	i urt i.b.i			i alt io		Note:	Run. hrs. on NG si	ince last PO	C source test.		
POC	BAAQMD	Y	30 ppmv, dry	BAAQMD	P/8760 hrs.	S-72	Date: 6/9/21	Result:	<2.1 ppm	Hours:	832
	Condition 27140, Part 4.b.ii		@ 3% O ₂ when firing digester gas	Condition 27140, Part 10	or 3 yrs	S-73	Date: 6/8/21	Result:	<2.1 ppm	Hours:	686
						Note:	Run. hrs. on DG si	ince last PO	C source test.		
PM ₁₀ & PM _{2.5}	BAAQMD Condition	Y	Not to exceed 9.9lb/24 hr	BAAQMD Condition	P/D	S-72	Date: 2/8/22 PM Source Test		0.9 lb/day	NG hrs: DG hrs:	1268 1026
	27140, Part 5		emission rate, each	27140,	P/8760 hrs. or 3 yrs	S-73	NG: 7/16/20 Date: 2/8/22	DG: Result:	7/15/20 0.9 lb/day	NG hrs:	1224
	T art 5			Part 10	(source test)	0-70	PM Source Test NG: 7/17/20	Dates:	7/17/20	DG hrs:	823
						Note:	Max. value for this adate.	reporting pe	riod. Run. hrs. s	since last PM	
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		
							Max. value for this	1 01			
Heat Input	BAAQMD Condition 27140, Part 2	Y	131,794 MMBtu/ 12-month period, each	BAAQMD Condition 27140, Part 2	P/M	S-72 S-73	Date: 3/1/21 - 2 Date: 3/1/21 - 2			90 MMBtu/12 78 MMBtu/12	

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

				Monitoring	Monitoring				
Type of	Citation	FE		Requirement	Frequency			RESULTS	
Limit	for Limit	Y/N	Limit	Citation	(P/C/N)				
Wastewater	BAAQMD	Y	167 MGD design	BAAQMD	P/W	S-100	Date: 10/25/21	Max Flow:	122 MGD
Throughput	Condition		360 MGD peak wet	Condition					
	17740,			17740,					
	Part 1			Part 2					
						Note: M	lax. value for this rep	oorting period.	

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-210, Anaerobic Digesters

Type of	Citation	FE		Monitoring Requirement	Monitoring Frequency	RESULTS
Limit	for Limit	Y/N	Limit	Citation	(P/C/N)	
Flare	BAAQMD	Y	A406: 0.06 lb/MMBtu	BAAQMD	P/8760 hrs	A-406 Date: 9/15/20 Result: 0.022 lb/MMBtu Hours: 286
NO _x	Condition	1°		Condition	or 5 yrs.	
	17741.			17741.	or o yro.	
	Part 14			Part 18		
	Part 14			Part 16		Note: Run. hrs. from last source test to end of this reporting period.
Flare	BAAQMD	Y	A406: 0.2 lb/MMBtu	BAAQMD	P/8760 hrs	A-406 Date: 9/15/20 Result: 0.004 lb/MMBtu Hours: 286
со	Condition			Condition	or 5 yrs.	
	17741,			17741,	-	
	Part 15			Part 18		
Flare	BAAQMD	Y	0.278 lb/hr	BAAQMD	P/8760 hrs	A-406 Date: 9/15/20 Result: <0.0004 lb/hr Hours: 286
H ₂ S	Condition	l'	0.270 15/11			A^{-400} Date: $3/10/20$ Result. <0.0004 is/iii 110013. 200
1120	-			Condition	or 5 yrs.	
	17741, Dout 40			17741,		
	Part 16			Part 18		
Flare	BAAQMD	Y	A406: 0.9 lb/MMBtu	BAAQMD	P/8760 hrs	A-406 Date: 9/15/20 Result: <0.01 lb/MMBtu Hours: 286
CH₄	Condition			Condition	or 5 yrs.	
	17741,			17741,		
	Part 17			Part 18		
	. dit ii			i alt io		
Flare	BAAQMD	Y	A406: 605 MMBtu/day	BAAQMD	P/M	A-406 Date: 2/8/22 Result: 144 MMBtu/day
Heat	Condition		A407: 6,567 MMBtu/day	Condition		A-407 Date: 10/6/21 Result: 1,195 MMBtu/day
Input	17741,			17741,		
	Part 9 & 10			Parts 19		
						Note: Max. value for this reporting period.
Flare	BAAQMD	Y	A406: Maintain minimum	BAAQMD	P/W	A-406 Date: 11/24/21 Min. Temp.: 1488 °F
Combustion	Condition		temperature of	Condition		
Zone	17741,		1400 degrees F	17741,		
Temperature	Part 13			Part 12		
						Note: Min. value for this reporting period.
Digester	BAAQMD	Y	350 ppm total sulfur	BAAQMD	P/W	S-210 Date: 10/15/21 Result: 249 ppm
Gas	Condition			Condition		
Sulfur	17741, Dant 0, a, 0		315 ppm after startup of	17741, Devit 5		
Content	Part 3.a & 3.b		thermophilic digesters	Part 5		
	0.0					Note: Max. value for this reporting period.
SO ₂	BAAQMD		12.722 tons/	BAAQMD	P/M	S-210 Date: Result: tons/12-mo.
	Condition		12-month period	Condition		
	17741,			17741,		
	Part 4			Part 5		Note: Not applicable until after startup of thermophilic digester operation.
H₂S	BAAQMD		1.22 lb/hr	BAAQMD	P/D	S-210 Date: Result: Ib/hr
=			1.22 10/11		P/U	S-210 Date: Result: Ib/hr
Emissions	Condition			Condition		
Digester	17741,			17741,		
Gas	Part 8.a			Part 8		Nata Nation Backle will 00 days from the first state of the
Release	1					Note: Not applicable until 90 days after startup of thermophilic digester
						operation.