

Energy Center San Francisco, LLC 14 Mint Plaza, Suite 200 San Francisco, CA. 94103-1835

August 30, 2023 Facility # B6151 TV Tracking #: 807

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09/01/2023

Director of Compliance and Enforcement Bay Area Air Quality Management District 375 Beale Street, Suite 600 San Francisco, CA 94105

Attn: Title V Reports

Subject: Title V Semi-Annual Monitoring Report for the period February 01, 2023, to July 31, 2023.

The Energy Center San Francisco herewith submits the Semi-Annual Report for Facility B6151. This report includes detailed reports and compliance reporting for the following sources for the Semi-Annual period February 01, 2023, to July 31, 2023.

S-3: Boiler 3

Status: Full Compliance

S-4: Boiler 4

Status: Full Compliance

S-5: Boiler 5

Status: Full Compliance

S-6: Boiler 6

Status: Full Compliance

S-7: Boiler 7

Status: Full Compliance

S-9: Boiler 8

Status: Full Compliance

S10: UST Tank #3

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BAY AREA AIR QUALIT

Status: Full Compliance (exempt source)

S-11: UST Tank #4

Status: Full Compliance (exempt source)

S-12: UST Tank #5

Status: Full Compliance (exempt source)

S-13: Emergency Standby Diesel Engine

Status: Full Compliance

Compliance Certification

Vicholas Joseph

CORDIA

Creating energy solutions

Based on information and belief formed after reasonable inquiry, the statements and information in this report and the attached Compliance Certification Report form are true, accurate, and complete.

Sincerely,

NICHOLAS JOSEPH

EHS & Procurement Manager 415-385-6651 (M) 415-644-9668 (O)

Nick.joseph@cordiaenergy.com

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VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII-A S-3 Boiler No. 3 & S-4 Boiler No. 4

Type of limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
Oxides of Nitrogen	BAAQMD 9-7-301.1	N	30 ppmv, dry @ 3% O ₂	BAAQMD Condition #21200, part 10	P/A	Source Test	Continuous
	BAAQMD 9-7-301.2	N	40 ppmv, dry @ 3% O ₂	BAAQMD Condition #21200, part 10	P/A	Source Test	Continuous
	BAAQMD 9-7-307.5	N	9 ppmv, dry @ 3% O ₂	BAAQMD 9-7-403, 9-7-506	P/A	Source Test	Continuous
	SIP 9-7-301.1	Y	30 ppmv, dry @ 3% O ₂		P/A	Source test	Continuous
9.	SIP 9-7-305.1	Y	150 ppmv, dry @ 3% O ₂		P/A	Source test	Continuous
	SIP 9-7-306.1	Y	150 ppmv, dry @ 3% O ₂		N		Continuous
Carbon Monoxide	rbon BAAQMD N 400 p	400 ppmv, dry @ 3% O ₂	BAAQMD Condition #21200, part 10	P/A	Source Test	Continuous	
	BAAQMD 9-7-307.5	N	400 ppmv, dry @ 3% O ₂	BAAQMD 9-7-403, 9-7-506	P/A	Source Test	Continuous
	SIP 9-7-301.2	Y	400 ppmv, dry @ 3% O ₂		P/A	Source test	Continuous
	SIP 9-7-305.2	Y	400 ppmv, dry @ 3% O ₂	1	P/A	Source test	Continuous
	SIP 9-7-306.2	Y	400 ppmv, dry @ 3% O ₂		N		Continuous
Opacity	BAAQMD 6-1-301	N	≥ Ringelmann No. 1 for no more than 3 minutes in any one hour		N		Continuous
Opacity	SIP 6-301	Y	≥ Ringelmann No. 1 for no more than 3 minutes in any one hour		N		Continuous

Type of limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
FP	BAAQMD 6-1-310.3	N	0.15 grain/dscf @ 6% O ₂		N		Continuous
FP	SIP 6- 310.3	Y	0.15 grain/dscf @ 6% O2		N		Continuous
SO2	SIP 9-1- 302	Y	300 ppm (dry)		N		Continuous
	SIP 9-1- 304	Y	Sulfur content of fuel <0.5% by weight	5	N		Continuous
SO2	BAAQMD 9-1-302	N	300 ppm (dry)		N		Continuous
	BAAQMD 9-1-304	N	Sulfur content of fuel <0.5% by weight		N		Continuous
Stack Gas Temperatur	BAAQMD 9-7-312	N	150°F over saturated steam temperature		N		Continuous
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Table VII-A S-5 Boiler No. 5 & S-6 Boiler No. 6

Type of limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
Oxides of Nitrogen	trogen 9-7-112.2		30 ppmv, dry @ 3% O ₂	BAAQMD Condition #21200, part 10	P/A	Source Test	Continuous
	SIP 9-7-301.1	Y	30 ppmv, dry @ 3% O ₂		N		Continuous
	SIP 9-7-303	Y	Weighted average of 9- 7-301.1 and 9-7-302.1	SIP 9-7-501	С	Non- resettable fuel meters	Continuous
	SIP 9-7-305.1	Y	150 ppmv, dry @ 3% O ₂		N		Continuous
	SIP 9-7-306.1	Y	150 ppmv, dry @ 3% O ₂		N		Continuous
Carbon Monoxide	BAAQMD 9-7-112.2	N	400 ppmv, dry @ 3% O ₂	BAAQMD Condition #21200, part 10	P/A	Source test	Continuous
	BAAQMD 9-7-307.6	N	400 ppmv, dry @ 3% O ₂	BAAQMD 9-7-403, 9-7-506	P/A	Source Test	Continuous
	SIP 9-7-301.2	Y	400 ppmv, dry @ 3% O ₂		N		Continuous
	SIP 9-7-305.2	Y	400 ppmv, dry @ 3% O ₂		N		Continuous
	SIP 9-7-306.2	Y	400 ppmv, dry @ 3% O ₂		N		Continuous
Opacity	BAAQMD 6-1-301	N	≥ Ringelmann No. 1 for no more than 3 minutes in any one hour		N		Continuous
	SIP 6-301	Y	≥ Ringelmann No. 1 for no more than 3 minutes in any one hour		N		Continuous
FP	BAAQMD 6-1-310.3	N	0.15 grain/dscf @ 6% O ₂		N		Continuous
FP	SIP 6- 310.3	Y	0.15 grain/dscf @ 6% O ₂		N		Continuous
SO2	SIP 9-1- 302	Y	300 ppm (dry)		N		Continuous

Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
SIP 9-1- 304	Y	Sulfur content of fuel <0.5% by weight		N		Continuous
BAAQMD 9-1-302	N	300 ppm (dry)		N		Continuous
BAAQMD 9-1-304	N	Sulfur content of fuel <0.5% by weight		N		Continuous
BAAQMD 9-7-312	N	150°F over saturated steam temperature		N		Continuous
	SIP 9-1- 304 BAAQMD 9-1-302 BAAQMD 9-1-304 BAAQMD	Limit Y/N SIP 9-1- 304 Y BAAQMD N 9-1-302 N BAAQMD N 9-1-304 N BAAQMD N N	Limit SIP 9-1- 304 BAAQMD N 9-1-302 BAAQMD N 9-1-304 Sulfur content of fuel <0.5% by weight Sulfur content of fuel <0.5% by weight Sulfur content of fuel <0.5% by weight N 150°F over saturated	Citation of Limit FE Y/N Limit Requirement Citation SIP 9-1- 304 Y Sulfur content of fuel Citation BAAQMD N 300 ppm (dry) 300 ppm (dry) 9-1-302 BAAQMD N Sulfur content of fuel 9-1-304 <0.5% by weight	Citation of Limit FE Y/N Limit Requirement Citation Frequency (P/C/N) SIP 9-1- 304 Y Sulfur content of fuel N BAAQMD N 300 ppm (dry) N N 9-1-302 N Sulfur content of fuel N 9-1-304 <0.5% by weight	Citation of Limit FE Ly/N Limit Requirement Citation Frequency (P/C/N) Monitoring Type SIP 9-1- 304 Y Sulfur content of fuel N N BAAQMD N 300 ppm (dry) N N N 9-1-302 N Sulfur content of fuel N 9-1-304 <0.5% by weight

Table VII-C S-7 BOILER NO. 7

Type of limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
Oxides of Nitrogen	BAAQMD 9-7-301.1	N	30 ppmv, dry @ 3% O ₂	BAAQMD Condition #21200, part 10	P/A	Source Test	Continuous
	BAAQMD 9-7-301.2	N	40 ppmv, dry @ 3% O ₂	BAAQMD Condition #21200, part 10	P/A	Source Test	Continuous
	BAAQMD 9-7-307.4	N	15 ppmv, dry @ 3% O ₂	BAAQMD 9-7-403, 9-7-506	P/A	Source Test	Continuous
	SIP 9-7-301.1	Y	30 ppmv, dry @ 3% O2		P/A	Source test	Continuous
	SIP 9-7-303	Y	Weighted average of 9-7-301.1 and 9-7-302.1	SIP 9-7-501	С	Non- resettable fuel meters	Continuous
Oxides of Nitrogen	SIP 9-7-305.1	Y	150 ppmv, dry @ 3% O ₂		P/A	Source test	Continuous
	SIP 9-7-306.1	Y	150 ppmv, dry @ 3% O ₂		N		Continuous
Carbon Monoxide	BAAQMD 9-7-301.4	N	400 ppmv, dry @ 3% O ₂	BAAQMD Condition #21200, part 10	P/A	Source Test	Continuous
	BAAQMD 9-7-307.4	N	400 ppmv, dry @ 3% O ₂	BAAQMD 9-7-403, 9-7-506	P/A	Source Test	Continuous
	SIP 9-7-301.2	Y	400 ppmv, dry @ 3% O ₂		P/A	Source test	Continuous
	SIP 9-7-305.2	Y	400 ppmv, dry @ 3% O ₂		P/A	Source test	Continuous
	SIP 9-7-306.2	Y	400 ppmv, dry @ 3% O ₂		N		Continuous
Opacity	BAAQMD 6-1-301	N	≥ Ringelmann No. 1 for no more than 3 minutes in any one hour		N		Continuous
	SIP 6-301	Y	≥ Ringelmann No. 1 for no more than 3 minutes in any one hour		N		Continuous

Type of limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Status
FP	BAAQMD 6-1-310.3	N	0.15 grain/dscf @ 6% O ₂		N		Continuous
	SIP 6- 310.3	Y	0.15 grain/dscf @ 6% O2	×	N		Continuous
SO2	SIP 9-1- 302	Y	300 ppm (dry)		N		Continuous
	SIP 9-1- 304	Y	Sulfur content of fuel <0.5% by weight		N		Continuous
	BAAQMD 9-1-302	N	300 ppm (dry)		N		Continuous
Fuel Sulfur Content	BAAQMD 9-1-304	N	Sulfur content of fuel <0.5% by weight		N		Continuous
Stack Gas Temperatur	BAAQMD 9-7-312	N	150°F over saturated steam temperature		N		Continuous
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Table VII-D S-9 Boiler No. 8

Type of limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monito ring Freque ncy (P/C/N)	Monitoring Type	Compliance Status
Oxides of Nitrogen	BAAQMD 9-7-301.1		30 ppmv, dry @ 3% O ₂	BAAQMD Condition #21200, part 10	P/A	Source Test	Continuous
	BAAQMD 9-7-301.2		40 ppmv, dry @ 3% O ₂	BAAQMD Condition #21200, part 10	P/A	Source Test	Continuous
	BAAQMD 9-7-307.6		5 ppmv, dry @ 3% O2	BAAQMD 9-7-403, 9-7-506	P/A	Source Test	Continuous
	SIP 9-7-301.1		30 ppmv, dry @ 3% O ₂		N		Continuous
	BAAQMD Condition #21200, part 3		9 ppmv, dry @ 3% O ₂ , averaged over 3 hours	BAAQMD Condition #21200, part 9	P/A	Source Test	Continuous
Carbon Monoxide	BAAQMD 9-7-301.4		400 ppmv, dry @ 3% O ₂	BAAQMD Condition #21200, part 10	P/A	Source Test	Continuous
	BAAQMD 9-7-307.6		400 ppmv, dry @ 3% O ₂	BAAQMD 9-7-403, 9-7-506	P/A	Source Test	Continuous
Carbon Monoxide	SIP 9-7-301.2		400 ppmv, dry @ 3% O ₂		N		Continuous
	BAAQMD Condition #21200, part 4		50 ppmv, dry @ 3% O ₂ , averaged over 3 hours	BAAQMD Condition #21200, part 9	P/initial	Source Test	Continuous
Opacity	BAAQMD 6-1-301		≥ Ringelmann No. 1 for no more than 3 minutes in any one hour		N		Continuous
	SIP 6-301		≥ Ringelmann No. 1 for no more than 3 minutes in any one hour		N		Continuous
FP	BAAQMD 6-1-310.3		0.15 grain/dscf @ 6% O ₂		N		Continuous

Type of limit	Citation of Limit	FE Y/N	ilder akini A asi saliosi del Limit	Monitoring Requirement Citation	Monito ring Freque ncy (P/C/N)	Monitoring Type	Compliance Status
	SIP 6- 310.3		0.15 grain/dscf @ 6% O ₂		N		Continuous
SO2	BAAQMD 9-1-302		300 ppm (dry)		N		Continuous
	BAAQMD 9-1-304		Sulfur content of fuel <0.5% by weight		N		Continuous
	SIP 9-1- 302		300 ppm (dry)		N		Continuous
Heat Input Rate	BAAQMD Condition #21200, part 1	BAAQMD 99.93 MMBTU/hr Condition #21200,		BAAQMD Condition #21200, part 11	P/M	Records	Continuous
Fuel usage	BAAQMD Condition #21200, part 5		8,730,000 therms per rolling 12 months	BAAQMD Condition #21200, part 11	P/M	Records	Continuous
Stack Gas Temperatur e	BAAQMD 9-7-312	1/1/1	150°F over saturated steam temperature		N		Continuous

Table VII-E Applicable Limits and Compliance Monitoring Requirements S-13 STANDBY GENERATOR DIESEL ENGINE

Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitor ing Frequen cy (P/C/N)	Monitoring Type	Compliance Status
Opacity	BAAQMD 6-1-303.1	N	≥ Ringelmann No. 2 for no more than 3 minutes in any hour		N		Continuous
	SIP 6- 303.1	Y	≥ Ringelmann No. 2 for no more than 3 minutes in any hour		N		Continuous
FP	BAAQMD 6-1-310.3	N	0.15 grain/dscf @ 6% O2		N		Continuous
	SIP 6- 310.3	Y	0.15 grain/dscf @ 6% O2		N		Continuous
SO2	BAAQMD 9-1-301	N	GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		Continuous
	BAAQMD 9-1-304	N	Fuel sulfur content limit of 0.5% by weight		N		Continuous
	SIP 9-1- 301	Y	GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		Continuous
	SIP 9-1- 304	Y	Fuel sulfur content limit of 0.5% by weight		N		Continuous
Hours of Operatio n	BAAQMD condition #22820, part 1		20 hours per year discretionary operation	BAAQMD condition #22820, part 3	С	Totalizing counter	Continuous

Fuel Usage by Boiler

Boiler / Source	Natural Gas (therms)	Diesel Oil (gal)	Comments
Boiler 3 / S3	298,347	0	
Boiler 4 / S4	1,217,911	0	
Boiler 5 / S5	67,669	0	
Boiler 6 / S6	270,125	0	
Boiler 7 / S7	2,913,375	0	
Boiler 8 / S9	1,292,576	0	
Total	6,060,004	0	

Note: Heat content Natural Gas fuel is 1019 BTU/scf.

Emergency Standby Generator Log (S-13)

Dete	Hour	Meter Rea	ading	Total	12 mo.	Total Fuel	Notes
Date	Time	Start	Stop	Hours	Rolling (hrs)	Usage (gal)	Notes
07/312020	0	0300.9	0307.9	7.0	0	6	Note: This entry is from the prior report.
01/31/2021	0	0307.9	0314.6	6.7	0	5	Note: There was no major usage during the year. (testing)
07/31/2021	0	0314.6	0314.6	0.0	0	0	Note: There was no major usage during the year. (testing)
01/31/2022	0	0314.6	0314.6	0.0	0	0	Note: There was no major usage during the year. (testing)
07/31/2022	0	314.6	315.5	0.9	0	1	Note: There was no major usage during the year. (testing)
01/31/2023	0	315.5	316.1	0.6	0	1	Note: There was no major usage during the year. (testing)
07/31/2023	0	316.1	316.2	0.1	0	1	Note: There was no major usage during the year. (testing)