Marsh Landing LLC
Marsh Landing Generating Station
3201 Wilbur Avenue
P.O. Box 1687
Antioch, CA 94509

January 27, 2023

TV Tracking #: 650

1. ☐ RECEIVED IN ENFORCEMENT: 01/27/2023

Mr. Jeffrey Gove
Director of Compliance and Enforcement
Bay Area Air Quality Management District
375 Beale Street
Suite 600
San Francisco, CA 94105
Attn: Title V Reports

Marsh Landing Generating Station (Plant #B9169) Semi-Annual Title V Monitoring Report and Compliance Certification, July 1, 2022 through December 31, 2022

Dear Mr. Gove:

Marsh Landing LLC submits the Semi-Annual Title V Monitoring Report and Compliance Certification for Marsh Landing Generating Station (Plant #B9169) for July 1, 2022 through December 31, 2022.

Please contact George Piantka at george.piantka@nrg.com or (760) 707-6833 if you have any questions.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

Joseph Moura
Plant Manager
Marsh Landing Generating Station

Attachments

COMPLIANCE CERTIFICATION

Based on information and belief formed after reasonable inquiry, the statements and information in the attached Semi-Annual Monitoring Report are true, accurate, and complete.

Certification Period:	July 1, 2022 – December 31, 2022
Facility:	Facility #B9169 Marsh Landing LLC Marsh Landing Generating Station 3201-C Wilbur Ave. Antioch, CA 94509
Name of Responsible Official:	Joseph Moura
Signature:	Joseph Moura
Date:	1/27/2023

Marsh Landing Generating Station
Title V Compliance Tables Table VII – A & B
Applicable Limits and Compliance Monitoring Requirements
July 1 to December 31, 2022

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
NOx	BAAQMD 9-9-301.1.3	N		9 ppmv @ 15% O2, dry	BAAQMD 9-9-501 and BAAQMD condition #24732, parts 24 and 28	C P/A	CEM Annual source test	C	
NOx	BAAQMD 9-9-301.2	N		0.15 lbs/MWhr or 5 ppmv @ 15% O2, dry	BAAQMD 9-9-501 and BAAQMD condition #24732 parts 24 and 28	C P/A	CEM Annual source test	C	
NOx	SIP 9-9-301.3	Y		9 ppmv @ 15% O2, dry	BAAQMD 9-9-501 and BAAQMD condition #24732, parts 24 and 28	C P/A	CEM Annual source test	C	
NOx	NSPS Subpart KKKK 40 CFR 60.4320(a)	Y		15 ppmv @ 15% O2, dry 4-hour rolling average for turbines at or above 75% of peak load	NSPS 40 CFR 60.4340(b)(1)	C	CEM	C	
NOx	NSPS Subpart KKKK 40 CFR 60.4320(a)	Y		96 ppmv @ 15% O2, dry 4-hour rolling average for turbines operating below 75% of peak load	NSPS 40 CFR 60.4340(b)(1)	C	CEM	C	

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Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
NOx	None	Y		None	40 CFR 75.10	C	CEM	C	
NOx	BAAQMD condition #24732, Part 17a	Y		20.83 lb per hour or 0.00946 lb/MMBTU (measured as NO_2)	BAAQMD condition #24732, Parts 24 and 28	C P/A	CEM Annual source test	C	
NOx	BAAQMD condition #24732, Part 17b	Y		2.5 ppmv @ 15% O2, dry, Averaged over one hour except during transient hours when a 3-hr average is applied	BAAQMD condition #24732, Parts 24 and 28	C P/A	CEM Annual source test	C	
NOx	BAAQMD condition #24732, Part 18	Y		36.4 lb per startup, 45.1 lb/hr containing a startup, and 15.1 lb per shutdown (Not applicable during readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations)	BAAQMD condition #24732, Part 24	C	CEM	C	
NOx	BAAQMD condition #24732, Part 19	Y		80 lb/hr during combustor tuning (as NO_2)	BAAQMD condition #24732, Part 24	C	CEM	C	

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Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
NOx	BAAQMD condition #24732, Part 20a	Y		2,468 lb combined from S-1, S-2, S-3, and S-4 per any calendar day (except days when tuning occurs, excluding emissions from readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations) (as NO_2)	BAAQMD condition #24732, Part 24	C	CEM	C	
NOx	BAAQMD condition #24732, Part 21a	Y		2,941 lb combined from S-1, S-2, S-3, and S-4 per any calendar day (as NO_2), excluding emissions from readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations	BAAQMD condition #24732, Part 24	C	CEM	C	

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Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
NOx	BAAQMD condition #24732, Part 22a	Y		78.57 tons combined from S-1, S-2, S-3, and S-4 per consecutive twelve month period (as NO_2), excluding emissions from readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations	BAAQMD condition #24732, Part 24	C	CEM	C	
NOx	BAAQMD condition #24732, Part 42	Y		3,311 lbs. from commissioning activities for black start capability	BAAQMD condition #24732, part 43	P/E	CEM, records, calculations	C	
NOx	BAAQMD condition #24732, part 44(a)	Y		8,048 lb/day from readiness testing for black start capability and black start emergency operations at S-3 and S-4 combined	BAAQMD condition #24732, part 24	P/E	CEM, records, calculations	C	
NOx	BAAQMD condition #24732, part 45(a)	Y		414 lb/year from readiness testing for black start capability at S-3 and S-4 combined	BAAQMD condition #24732, part 24	P/E	CEM, records, calculations	C	

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Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
NOx	BAAQMD condition #24732, part 46(a)	Y		16,283 lb/year from readiness testing for black start capability and black start emergency operations at S-3 and S-4 combined	BAAQMD condition #24732, part 24	P/E	CEM, records, calculations	C	
CO	BAAQMD condition #24732, Part 17c	Y		10.0 lb/hr or 0.00454 lb/MMBTU at each exhaust point P-1, P-2, P-3, or P-4	BAAQMD condition #24732, Parts 24 and 28	C P/A	CEM Annual source test	C	
CO	BAAQMD condition #24732, Part 17d	Y		2.0 ppmv @ 15% O2, dry, Averaged over any 1-hour	BAAQMD condition #24732, Parts 24 and 28	C P/A	CEM Annual source test	C	
CO	BAAQMD condition #24732, Part 18	Y		216.2 lb per startup, 541.3 lb/hr containing a startup, and 111.5 lb per shutdown (Not applicable during readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations)	BAAQMD condition #24732, Part 24	C	CEM	C	

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Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
CO	BAAQMD condition #24732, Part 19	Y		450 lb/hr during combustor tuning	BAAQMD condition #24732, Part 24	C	CEM	C	
CO	BAAQMD condition #24732, Part 20b	Y		4,858 lb combined from S-1, S-2, S-3, and S-4 per any calendar day (except days when tuning occurs, excluding emissions from readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations	BAAQMD condition #24732, Part 24	C	CEM	C	
CO	BAAQMD condition #24732, Part 21b	Y		8,378 lb combined from S-1, S-2, S-3, and S-4 per any calendar day, excluding emissions from readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations	BAAQMD condition #24732, Part 24	C	CEM	C	

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Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
CO	BAAQMD condition #24732, Part 22b	Y		138.57 tons combined from S-1, S-2, S-3, and S-4 per consecutive twelve month period, excluding emissions from readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations	BAAQMD condition #24732, Part 24	C	CEM	C	
CO_2		Y		None	40 CFR 75.10	C	CEM (CO2) or CEM (O2) or fuel flow monitor	C	
CO	BAAQMD condition #24732, Part 42	Y		103,486 lbs. from commissioning activities for black start capability	BAAQMD condition #24732, part 43	P/E	CEM, records, calculations	C	
CO	BAAQMD condition #24732, part 44(b)	Y		100,673 lb/day from readiness testing for black start capability and black start emergency operations at S-3 and S-4 combined	BAAQMD condition #24732, part 24	P/E	CEM, records, calculations	C	

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Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
CO	BAAQMD condition #24732, part 45(a)	Y		12,936 lb/year from readiness testing for black start capability at S-3 and S-4 combined	BAAQMD condition #24732, part 24	P/E	CEM, records, calculations	C	
CO	BAAQMD condition #24732, part 46(a)	Y		212,725 lb/year from readiness testing for black start capability and black start emergency operations at S-3 and S-4 combined	BAAQMD condition #24732, part 24	P/E	CEM, records, calculations	C	
SO_2	BAAQMD 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		C	
SO_2	BAAQMD 9-1-302	Y		300 ppm (dry)	BAAQMD condition #24732, Part 11	P/M	Total sulfur analysis	C	
SO_2	NSPS Subpart KKKK 40 CFR 60.4330(a)(2)	Y		0.060 lb SO2/MMBtu	NSPS 40 CFR 60.4365(a)	N	None	C	

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S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
SO_2	None	Y		None	40 CFR 75.11(d)(2), 40 CFR 75, Appendix D, part 2.3		Fuel measure-ments, calculations	C	
SO_2	BAAQMD condition #24732, Part 11	Y		Fire exclusively natural gas with 1 grain sulfur per 100 scf	BAAQMD condition #24732, Part 11	P/M	Total sulfur analysis	C	
SO_2	BAAQMD condition #24732, Part 17g	Y		6.21 lb/hr	BAAQMD condition #24732, Parts 24, 25, and 28	P/D P/A	Record keeping, District approved calculation, Annual source test	C	
SO_2	BAAQMD condition #24732, Part 20e	Y		596 lb combined from S-1, S-2, S-3, and S-4 per calendar day, excluding emissions from readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations	BAAQMD condition #24732, Part 25	P/D	Record keeping, District approved calculation	C	

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Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
SO_2	BAAQMD condition #24732, Part 21e	Y		596 lb combined from S-1, S-2, S-3, and S-4 per calendar day, excluding emissions from readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations	BAAQMD condition #24732, Part 28	P/D	Record keeping, District approved calculation	C	
SO_2	BAAQMD condition #24732, Part 22e	Y		4.94 tons/consecutive twelve month period, excluding emissions from readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations	BAAQMD condition #24732, Part 28	P/D	Record keeping, District approved calculation	C	
SO_2	BAAQMD condition #24732, Part 42	Y		84 lbs. from commissioning activities for black start capability	BAAQMD condition #24732, part 43	P/E	Records, calculations	C	
SO_2	BAAQMD condition #24732, part 44(e)	Y		174 lb/day from readiness testing for black start capability and black start emergency operations at S-3 and S-4 combined	BAAQMD condition #24732, part 25	P/E	Records, calculations	C	

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S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
SO_2	BAAQMD condition #24732, part 45(e)	Y		10 lb/year from readiness testing for black start capability at S-3 and S-4 combined	BAAQMD condition #24732, part 25	P/E	Records, calculations	C	
SO_2	BAAQMD condition #24732, part 46(e)	Y		354 lb/year from readiness testing for black start capability and black start emergency operations at S-3 and S-4 combined	BAAQMD condition #24732, part 25	P/E	Records, calculations	C	
Opacity	BAAQMD 6-1-301	N		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		C	
Opacity	SIP 6-301	Y		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		C	
Filterable Particulate	BAAQMD 6-1-310	N		0.15 grain/dscf		N		C	
FP	SIP 6-310	Y		0.15 grain/dscf		N		C	
PM_{10}	BAAQMD condition #24732, Part 17h	Y		9.0 lb/ hr	BAAQMD condition #24732, Part 28	P/A	Annual source test	C	

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S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
PM_{10}	BAAQMD condition #24732, Part 20d	Y		864 lb/calendar day, excluding emissions from readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations	BAAQMD condition #24732, Part 25	P/D	Record keeping, District approved calculation	C	
PM_{10}	BAAQMD condition #24732, Part 21d	Y		864 lb/calendar day, excluding emissions from readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations	BAAQMD condition #24732, Part 25	P/D	Record keeping, District approved calculation	C	
PM_{10}	BAAQMD condition #24732, Part 22d	Y		31.54 tons/consecutive twelve month period, excluding emissions from readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations	BAAQMD condition #24732, Part 28	P/A	Annual source test, District approved calculation	C	
PM_{10}	BAAQMD condition #24732, Part 42	Y		123 lbs. from commissioning activities for black start capability	BAAQMD condition #24732, part 43	P/E	Records, calculations	C	

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S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
PM_{10}	BAAQMD condition #24732, part 44(d)	Y		255 lb/day from readiness testing for black start capability and black start emergency operations at S-3 and S-4 combined	BAAQMD condition #24732, part 25	P/E	Records, calculations	C	
PM_{10}	BAAQMD condition #24732, part 45(d)	Y		15 lb/year from readiness testing for black start capability at S-3 and S-4 combined	BAAQMD condition #24732, part 25	P/E	Records, calculations	C	
PM_{10}	BAAQMD condition #24732, part 46(d)	Y		518 lb/year from readiness testing for black start capability and black start emergency operations at S-3 and S-4 combined	BAAQMD condition #24732, part 25	P/E	Records, calculations	C	
TSP	BAAQMD condition #24732, Part 17i	Y		9.0 lb TSP per hour from each exhaust point P-1, P-2, P-3, or P-4	BAAQMD condition #24732, Parts 25 and 28	P/D	Record Keeping, Annual source test, District approved calculation	C	

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Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
POC	BAAQMD condition #24732, Part 17f	Y		2.9 lb/hr	BAAQMD condition #24732, Part 28	P/A	Annual source test	C	
POC	BAAQMD condition #24732, Part 18	Y		11.9 lb per startup, 28.5 lb/hr containing a startup, and 5.4 lb per shutdown (Not applicable during readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations	Initial Test condition #24772 Part 10	none	Record Keeping, District approved emission factor	C	
POC	BAAQMD condition #24732, Part 19	Y		30 lb/hr during combustor tuning	none	none	District approved emission factor (permit limit), Record Keeping	C	

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Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
POC	BAAQMD condition #24732, Part 20c	Y		476 lb combined from S-1, S-2, S-3, and S-4 per calendar day (except days when tuning occurs, excluding emissions from readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations)	BAAQMD condition #24732, Part 25	P/D	Record Keeping	C	
POC	BAAQMD condition #24732, Part 21c	Y		693 lb combined from S-1, S-2, S-3, and S-4 per calendar day, excluding emissions from readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations	BAAQMD condition #24732, Part 25	P/D	Record Keeping	C	

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S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
POC	BAAQMD condition #24732, Part 22c	Y		14.21 ton combined from S-1, S-2, S-3, and S-4 per consecutive twelve month period year, excluding emissions from readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations	BAAQMD condition #24732, Part 25	P/D	Record Keeping	C	
POC	BAAQMD condition #24732, Part 42	Y		8,089 lbs. from commissioning activities for black start capability	BAAQMD condition #24732, part 43	P/E	Records, calculations	C	
POC	BAAQMD condition #24732, part 44(c)	Y		7,422 lb/day from readiness testing for black start capability and black start emergency operations at S-3 and S-4 combined	BAAQMD condition #24732, part 25	P/E	Records, calculations	C	
POC	BAAQMD condition #24732, part 45(c)	Y		1,011 lb/year from readiness testing for black start capability at S-3 and S-4 combined	BAAQMD condition #24732, part 25	P/E	Records, calculations	C	

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Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
POC	BAAQMD condition #24732, part 46(c)	Y		15,750 lb/year from readiness testing for black start capability and black start emergency operations at S-3 and S-4 combined	BAAQMD condition #24732, part 25	P/E	Records, calculations	C	
NH_3	BAAQMD condition #24732, Part 17e	N		10 ppmv @ 15% O2, dry, except during turbine startup, combustor tuning operation, or shutdown	BAAQMD condition #24732, parts 17e and 27	C P/A	District approved calculation Source test	C	
Heat input limit	BAAQMD condition #24732, Part 12	Y		2,202 MMBTU/hr (HHV)	BAAQMD condition #24732, Part 24	C	Fuel meter	C	
Heat input limit	BAAQMD condition #24732, Part 13	Y		52,848 MMBTU/day (HHV)	BAAQMD condition #24732, Part 24	C	Fuel meter, calculations	C	
Heat input limit	BAAQMD condition #24732, Part 14	Y		13,994,976 MMBTU/yr (HHV) (excluding heat input rate during readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations)	BAAQMD condition #24732, Part 24	C	Fuel meter, calculations	C	

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Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-3, S-4 COMBUSTION GAS TURBINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes (C/I)	No
Hours of Operation	BAAQMD condition #24732, Part 15	Y		7,008 combined hours for S-1, S-2, S-3, and S-4 per year excluding maintenance, tuning, testing, readiness testing for black start capability, commissioning activities for black start capability, and black start emergency operations	BAAQMD condition #24732, Part 36	P/D	Record Keeping	C	
Hours of Operation	BAAQMD condition #24732, Part 41	Y		64 combined hours for commissioning activities for black start capability at S-3 and S-4	BAAQMD condition #24732, Part 43	P/D	Record Keeping	C	

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Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-7 STANDBY DIESEL ENGINE GENERATOR SET
S-8 EMERGENCY STANDBY DIESEL FIRE PUMP ENGINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-1-303.1	Y		>Ringelmann No.2 for no more than 3 minutes in any hour		N		C	
Opacity	SIP Regulation 6-1-303.1	Y		>Ringelmann No.2 for no more than 3 minutes in any hour		N		C	
FP	BAAQMD 6-1-310	Y		0.15 gr/dscf Particulate Weight Limitation		N		C	
FP	SIP Regulation 6-310	Y		0.15 gr/dscf		N		C	
SO_2	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		C	
SO_2	BAAQMD 9-1-304	Y		0.5% sulfur in fuel by weight		N		C	
Hours of operation	BAAQMD Regulation 9-8-330.1	N		Emergency use for an unlimited number of hours	BAAQMD Regulation 9-8-530	P/E	Records	C	

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Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-7 Standby Diesel Engine Generator Set
S-8 Emergency Standby Diesel Fire Pump Engine

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Hours of operation	BAAQMD Condition #22850, part 1	N		Reliability related activities less than 50 hr/yr	BAAQMD Condition #22850, Parts 4a, 4b, 4c	C P/E	Records	C	

Compliance: C = Continuous; I = Intermittent

Marsh Landing Generating Station
Major Facility Review Permit Deviation Summary
July 1 to December 31, 2022

Marsh Landing Generating Station Major Facility Review Permit Deviation Summary

July 1, 2022 – December 31, 2022

Deviation Item No.	Permitted Source	Requirement or Limit	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken
			Start		End				
			Date	Time	Date	Time			
NA									

No deviations occurred during the second semi-annual period 2022.