

Gilroy Energy Center, LLC (for the Riverview Energy Center)

795 Minaker Road
Antioch, CA 94509

July 27, 2017

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

**Subject: Gilroy Energy Center, LLC for the Riverview Energy Center
Title V Semi-Annual Monitoring Report
Facility # B4512
Reporting Period: January 1, 2017 – June 30, 2017**

To Whom It May Concern:

Enclosed is the Title V CEMS Semi-Annual Monitoring Report for the Riverview Energy Center ("REC") for the reporting period from January 1, 2017 – June 30, 2017.

REC is currently in compliance with the District CEMS regulations. REC maintained compliance with the monitoring requirements listed in the Title V permit for REC during this reporting period.

By signing this report I am certifying that based on information and belief formed after reasonable inquiry, the statements and information in the attached report are true, accurate, and complete.

If you have any questions or require additional information, please contact me at (707) 399-4395.

Sincerely,



Allison Bryan
EHS Specialist

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1, TURBINE #1
JANUARY 1, 2017 – JUNE 30, 2017

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
NOx	BAAQMD 9-9-301.3	N		9 ppmv @ 15% O ₂ , dry	BAAQMD 9-9-501 and BAAQMD condition #20010, part 23c	C	CEM	X	
NOx	SIP 9-9-301.3	Y		9 ppmv @ 15% O ₂ , dry	SIP 9-9-501 and BAAQMD condition #20010, part 23c	C	CEM	X	
	BAAQMD 9-9-301.3	N		9 ppmv @ 15% O ₂ , dry	BAAQMD condition #20010, part 24a	Once every 8,000 operating hours or three years, whichever comes first	Source Test	X	
	SIP 9-9-301.3	Y		9 ppmv @ 15% O ₂ , dry	SIP condition #20010, part 24a	Once every 8,000 operating hours or three years, whichever comes first	Source Test	X	
NOx	NSPS, 40 CFR 60.332 (a)(1)	Y		99 ppmv @ 15% O ₂ , dry	NSPS 40CFR 60.334b BAAQMD condition #20012, part 23(c) Monitoring requirement subsumed by monitoring for BACT limit. See Permit Shield	C	CEM	X	
NOx	None	Y		None	40 CFR 75.10	C	CEM	X	
	BAAQMD condition #20010, part 18(a)	Y		2.5 ppm @15% O ₂ , dry 3-hr average except during turbine startup or shutdown	BAAQMD condition #20010, part 18(a), 23c	C	CEM	X	

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								Yes	No
	BAAQMD condition #20010, part 18(a)	Y		2.5 ppm @15% O ₂ , dry 3-hr average except during turbine startup or shutdown	BAAQMD condition #20010, part 24a	Once every 8,000 operating hours or three years, whichever comes first	Source Test	X	
	BAAQMD condition #20010, part 21	Y		121 lb/day (as NO ₂)	BAAQMD condition #20010, part 23c	C	CEM	X	
NOx	BAAQMD condition #20010, part 21	Y		14.7 tons per year (as NO ₂)	BAAQMD condition #20010, part 23c	C	CEM	X	
CO	BAAQMD condition #20010, part 18(c)	Y		6 ppmv, @ 15% O ₂ , dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #20010, parts 18(c) and 23c	C	CEM	X	
	BAAQMD condition #20010, part 18(c)	Y		6 ppmv, @ 15% O ₂ , dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #20010, part 24c	Once every 8,000 operating hours or three years, whichever comes first	Source Test	X	
	BAAQMD condition #20010, part 21	Y		163 lb/day	BAAQMD condition #20010, part 23c	C	CEM	X	
CO	BAAQMD condition #20010, part 21	Y		21.5 tons per year	BAAQMD condition #20010, part 23c	C	CEM	X	
CO ₂		Y		None	40 CFR 75.10	C	CEM (CO ₂) or CEM (O ₂) or fuel flow monitor	X	

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JANUARY 1, 2017 – JUNE 30, 2017

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
SO2	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	CEM	X	
	BAAQMD 9-1-302	Y		300 ppm (dry)	BAAQMD condition #20010, part 23e.	P/Q	Fuel Gas Total sulfur content analysis	X	
SO2	NSPS 40 CFR 60.333(a)	Y		0.015% (vol) @ 15% O ₂ (dry)	NSPS 40 CFR 60.334(h)(3), 40CFR 75.11, 40 CFR 75, Appendix D, part 2.3, and BAAQMD condition #20010, part 23e	P/Q	Fuel Gas Total sulfur content analysis, Fuel measurements, calculations	X	
SO2	None	Y		None	40 CFR 75.11, 40 CFR 75, Appendix D, part 2.3		Fuel measurements, calculations	X	
	BAAQMD condition #20010, part 18(f)	Y		1.38 lb/hr	BAAQMD condition #20010, part 23e	P/Q	Fuel gas Total sulfur content analysis	X	
SO2	BAAQMD condition #20010, part 18(f)	Y		1.38 lb/hr	BAAQMD condition #20010, part 24f	Once every 8,000 operating hours or three years, whichever comes first	Source test	X	
	BAAQMD condition #20010, part 21	Y		32 lb/ day	BAAQMD condition #20010, part 24f	Once every 8,000 operating hours or three years, whichever comes first	Source test	X	

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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
	BAAQMD condition #20010, part 21	Y		4.5 tons/year	BAAQMD condition #20010, part 24f	Once every 8,000 operating hours or three years, whichever comes first	Source test	X	
Opacity	BAAQMD 6-1-301	Y		> Ringelmann No.1 for no more than 3 minutes in any hour		N		X	
Opacity	SIP 6-301	Y		> Ringelmann No.1 for no more than 3 minutes in any hour		N		X	
Opacity	BAAQMD condition #20010, part 18	Y		> Ringelmann No.1 for no more than 3 minutes in any hour or equivalent 20% opacity		N		X	
FP	BAAQMD 6-1-310	Y		0.15 grains/dscf		N		X	
FP	SIP 6-310	Y		0.15 grains/dscf		N		X	
PM10	BAAQMD condition #20010, part 18e	Y		3 lb/hr	BAAQMD condition #20010, part 24e	Once every 8,000 operating hours or three years, whichever comes first	Source Test	X	
	BAAQMD condition #20010, part 21	Y		72 lb/day	BAAQMD condition #20010, parts 23d, 24e	Once every 8,000 operating hours or three years, whichever comes first	Source Test	X	
PM10	BAAQMD condition #20010, part 21	Y		9.8 tons/year	BAAQMD condition #20010, part 24e	Once every 8,000 operating hours or three years, whichever comes first	Source Test	X	

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S-1, TURBINE #1
JANUARY 1, 2017 – JUNE 30, 2017

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
POC	BAAQMD condition #20010, part 18(d)	Y		2 ppmv @ 15% O ₂ , dry, 1-hr average except during turbine startup or shutdown	BAAQMD condition #20010, part 24d	Once every 8,000 operating hours or three years, whichever comes first	Source Test	X	
	BAAQMD condition #20010, part 18(d)	Y		2 ppmv @ 15% O ₂ , dry, 1-hr average except during turbine startup or shutdown	BAAQMD condition #20010, part 24d	Once every 8,000 operating hours or three years, whichever comes first	Source Test	X	
	BAAQMD condition #20010, part 21	Y		31 lb/calendar day	BAAQMD condition #20010, part 24d	Once every 8,000 operating hours or three years, whichever comes first	Source Test	X	
	BAAQMD condition #20010, part 21	Y		4.1 ton/year	BAAQMD condition #20010, part 24d	Once every 8,000 operating hours or three years, whichever comes first	Source Test	X	
NH ₃	BAAQMD condition #20010, part 18(b)	N		10ppmv @15% O ₂ , dry, averaged over 1 hr except during turbine startup or shutdown	BAAQMD condition #20010, parts 18.2 and 23b	C	Measurement ratio NH ₃ to NO _x inlet rate at SCR	X	
	BAAQMD condition #20010, part 18(b)	N		10ppmv @15% O ₂ , dry, averaged over 1 hr except during turbine startup or shutdown	BAAQMD condition #20010, part 24b	Once every 8,000 operating hours or three years, whichever comes first	Source Test	X	
Heat input limit	BAAQMD condition #20010, part 22	Y		500 MMBTU/hr (HHV)	BAAQMD condition #20010, part 23d	C	Fuel meter, firing monitor	X	

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JANUARY 1, 2017 – JUNE 30, 2017

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
Heat input limit	BAAQMD condition #20010, part 22	Y		500 MMBTU/hr (HHV)	BAAQMD condition #20010, part 23d	P/Q	Fuel composition analysis	X	
	BAAQMD condition #20010, part 22	Y		500 MMBTU/hr (HHV)	BAAQMD condition #20010, part 24g	Once every 8,000 operating hours or three years, whichever comes first	Source test	X	
	BAAQMD condition #20010, part 22	Y		12,000 MMBTU/day (HHV)	BAAQMD condition #20010, part 23d	C	Fuel meter, firing monitor, calculations	X	
	BAAQMD condition #20010, part 22	Y		12,000 MMBTU/day (HHV)	BAAQMD condition #20010, part 23d	P/Q	Fuel composition analysis	X	
Heat input limit	BAAQMD condition #20010, part 22	Y		3,250,000 MMBTU/yr (HHV)	BAAQMD condition #20010, part 23d	C	Fuel meter, firing monitor, calculations	X	
	BAAQMD condition #20010, part 22	Y		3,250,000 MMBTU/yr (HHV)	BAAQMD condition #20010, part 24d	P/Q	Fuel composition analysis	X	
MW				None	BAAQMD condition #20010, part 24h	Once every 8,000 operating hours or three years, whichever comes first	Source test	X	
Exhaust Gas temperature				None	BAAQMD condition #20010, part 24j	Once every 8,000 operating hours or three years, whichever comes first	Source test	X	

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S-1, TURBINE #1
JANUARY 1, 2017 – JUNE 30, 2017

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
Stack gas flow rate				None	BAAQMD condition #20010, part 24i	Once every 8,000 operating hours or three years, whichever comes first	Source test	X	
NH3 injection rate				None	BAAQMD condition #20010, part 24k	Once every 8,000 operating hours or three years, whichever comes first	Source test	X	
Start-up Period	BAAQMD condition #20010, part 19			60 minutes per start-up	BAAQMD condition #20010, part 29(b)	P/E	Records	X	
Shutdown Period	BAAQMD condition #20010, part 20			30 minutes per shutdown	BAAQMD condition #20010, part 29(b)	P/E	Records	X	

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-2, COOLING TOWER
JANUARY 1, 2017 – JUNE 30, 2017

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 Regulation 6-1-301	N		>=Ringelmann 1 for no more than 3 min/hr		N		X	
Opacity	SIP Regulation 6-301	Y		> Ringelmann 1 for no more than 3 min/hr		N		X	
Particulate Weight	BAAQMD Regulation 6-1-301	N		0.15 grains per dscf		N		X	
Particulate Weight	SIP Regulation 6-301	Y		0.15 grains per dscf		N		X	