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

2425 Cordelia Road
Fairfield, CA 94533

January 29, 2018

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 Wolfskill Energy Center
Title V Semi-Annual Monitoring Report
Facility # B4511
Reporting Period: July 1, 2017 – December 31, 2017

To Whom It May Concern:

Enclosed is the Title V CEMS Semi-Annual Monitoring Report for the Wolfskill Energy Center ("WEC") for the reporting period from July 1, 2017 – December 31, 2017.

WEC is currently in compliance with the District CEMS regulations. WEC maintained compliance with the monitoring requirements listed in the Title V permit for WEC 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 and Authorized Signatory

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1, TURBINE #1
JULY 1, 2017 – DECEMBER 31, 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	NOx	N		9 ppmv @ 15% O2, dry	BAAQMD 9-9-501 and BAAQMD condition #19684, part 23c	C	CEM	X	
NOx	NOx	Y		9 ppmv @ 15% O2, dry	SIP 9-9-501 and BAAQMD condition #19684, part 23c	C	CEM	X	
NOx	NOx	Y		9 ppmv @ 15% O2, dry	BAAQMD condition #19684, part 24a	P/A	Source test every 8,000 hrs or every 3 yrs, whichever comes first	X	
NOx	NOx	Y		9 ppmv @ 15% O2, dry	BAAQMD condition #19684, part 24a	P/A	Source test every 8,000 hrs or every 3 yrs, whichever comes first	X	
NOx	NOx	N		0.43 lbs/MWhr or 9 ppmv @ 15% O2, dry	BAAQMD 9-9-501 and BAAQMD condition #19684, part 23c	C	CEM	X	
NOx	NOx	Y		75 ppmv @ 15% O2, dry	NSPS 40 CFR 60.334(c)	C	CEM	X	
NOx	NOx	Y		None	40 CFR 75.10	C	CEM	X	
NOx	NOx	Y		2.5 ppmv @ 15% O2, dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #19684, part 18.1	C	CEM	X	
NOX	NOX	Y		2.5 ppmv @ 15% O2, dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #19684, part 24a	P/A	Source test every 8,000 hrs or every 3 yrs, whichever comes first	X	
NOx	NOx	Y		121 lb/ day (as NO2)	BAAQMD condition #19684, part 23c	C	CEM	X	
NOx	NOx	Y		14.7 tons per year (as NO2)	BAAQMD condition #19684, part 23c	C	CEM	X	
CO	CO	Y		6 ppmv @ 15% O2, dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #19684, parts 18.3 and 23c	C	CEM	X	

Facility Name: Gilroy Energy Center, LLC for the Wolfskill Energy Center
Permit for Facility #: B4511

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JULY 1, 2017 – DECEMBER 31, 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
CO	CO	Y		6 ppmv @ 15% O2, dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #19684, part 24c	P/A	Source test every 8,000 hrs or every 3 yrs, whichever comes first	X	
CO	CO	Y		159 lb/ day	BAAQMD condition #19684, part 23c	C	CEM	X	
CO	CO	Y		21.5 tons per year	BAAQMD condition #19684, part 23c	C	CEM	X	
CO2	CO2	Y		None	40 CFR 75.10	C	CEM (CO2)or CEM (O2) or fuel flow monitor	X	
SO2	SO2	Y		GLC1 of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		X	
		Y		300 ppm (dry)	BAAQMD condition #19684, part 23e	N	None	X	
SO2	SO2	Y		0.015% (vol.) @15% O2 (dry)	NSPS 40 CFR 60.334(h)(3)	N	None	X	
SO2	SO2	Y		None	40 CFR 75.11, 40 CFR 75, Appendix D, part 2.3		Fuel measurements, calculations	X	
SO2	SO2	Y		1.38 lb/hr	BAAQMD condition #19684, part 23e	P/Q	Fuel gas Total sulfur content analysis	X	
SO2	SO2	Y		1.38 lb/hr	BAAQMD condition #19684, part 24f	P/A	Source test every 8,000 hrs or every 3 yrs, whichever comes first	X	
SO2	SO2	Y		32 lb/ day	BAAQMD condition #19684, part 23e	P/Q	Fuel Gas Total sulfur content analysis	X	
SO2	SO2	Y		4.5 tons/year	BAAQMD condition #19684, part 23e	P/Q	Fuel gas Total sulfur content analysis	X	

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S-1, TURBINE #1
JULY 1, 2017 – DECEMBER 31, 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	Opacity	Y		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		X	
Opacity	Opacity	Y		> Ringelmann No. 1 for no more than 3 minutes in any hour		N		X	
Opacity	Opacity	Y		> Ringelmann No. 1 for no more than 3 minutes in any hour or equivalent 20% opacity		N		X	
FP	FP	Y		0.15 grain/dscf		N		X	
FP	FP	Y		0.15 grain/dscf		N		X	
PM10	PM10	Y		3 lb/ hr	BAAQMD condition #19684, part 24e	P/A	Source test every 8,000 hrs or every 3 yrs, whichever comes first	X	
PM10	PM10	Y		72 lb/day	BAAQMD condition #19684, parts 23d, 24e	P/A	Source Test every 8,000 hrs or every 3 yrs, whichever comes first	X	
PM10	PM10	Y		13.1 tons/year	BAAQMD condition #19684, part 24e	P/A	Source Testevery 8,000hrs or every3 yrs, whichever comes first	X	
POC	POC	Y		2 ppmv @ 15% O2, dry, except during turbine startup or shutdown	BAAQMD condition #19684, part 24d	C	Source test every 8,000 hrs or every 3 yrs, whichever comes first	X	
POC	POC	Y		2 ppmv @ 15% O2, dry, except during turbine startup or shutdown	BAAQMD condition #19684, part 24d	P/A	Source test every 8,000 hrs or every 3 yrs, whichever comes first	X	
POC	POC	Y		31 lb/calendar day	BAAQMD condition #19684, part 24d	P/A	Source test every 8,000 hrs or every 3 yrs, whichever comes first	X	

Table VII – A
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S-1, TURBINE #1
JULY 1, 2017 – DECEMBER 31, 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	POC	Y		4.1 ton/year	BAAQMD condition #19684, part 24d	P/A	Source test every 8,000 hrs or every 3 yrs, whichever comes first	X	
NH3	NH3	N		10 ppmv @ 15% O2, dry, except during turbine startup or shutdown	BAAQMD condition #19684, parts 18.2 and 23b	C	Calculation based on source test and NH3 to NOx ratio at inlet to SCR	X	
NH3	NH3	N		10 ppmv @ 15% O2, dry, except during turbine startup or shutdown	BAAQMD condition #19684, part 24b	P/A	Source test every 8,000 hrs or every 3 yrs, whichever comes first	X	
Heat input limit	Heat input limit	Y		500 MM BTU/hr (HHV)	BAAQMD condition #19684, part 23d	C	Fuel meter, firing monitor	X	
Heat input limit	Heat input limit	Y		500 MM BTU/hr (HHV)	BAAQMD condition #19684, part 23d	P/M	Fuel composition analysis	X	
Heat input limit	Heat input limit	Y		500 MM BTU/hr (HHV)	BAAQMD condition #19684, part 24g	P/A	Source test every 8,000 hrs or every 3 yrs, whichever comes first	X	
Heat input limit	Heat input limit	Y		12,000 MM BTU/day (HHV)	BAAQMD condition #19684, part 23d	C	fuel meter, firing monitor, calculations	X	
Heat input limit	Heat input limit	Y		12,000 MM BTU/day (HHV)	BAAQMD condition #19684, part 23d	P/Q	Fuel composition analysis	X	
Heat input limit	Heat input limit	Y		4,380,000 MM BTU/yr (HHV)	BAAQMD condition #19684, part 23d	C	fuel meter, firing monitor, calculations	X	
Heat input limit	Heat input limit	Y		4,380,000 MM BTU/yr (HHV)	BAAQMD condition #19684, part 24d	P/Q	Fuel composition analysis	X	
MW	MW			None	BAAQMD condition #19684, part 24h	P/A	Source test every 8,000 hrs or every 3 yrs, whichever comes first	X	

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S-1, TURBINE #1
JULY 1, 2017 – DECEMBER 31, 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
Exhaust Gas temperature	Exhaust Gas temperature			None	BAAQMD condition #19684, part 24j	P/A	Source test every 8,000 hrs or every 3 yrs, whichever comes first	X	
Stack gas flow rate	Stack gas flow rate			None	BAAQMD condition #19684, part 24i	P/A	Source test every 8,000 hrs or every 3 yrs, whichever comes first	X	
NH3 injection rate				None	BAAQMD condition #19684, part 24k	P/A	Source test District approved correct ammonia slip calculation and correction factor determined by source test with source. test every 8,000hrs or every 3 yrs, whichever comes first	X	
Start-up Period	BAAQMD condition #19684, part 19			60 minutes per start-up	BAAQMD condition #19684, part 30(b)	P/E	Record	X	
Shutdown Period	BAAQMD condition #19684, part 20			30 minutes per shutdown	BAAQMD condition #19684, part 30(b)	P/E	Records	X	
Fuel Sulfur Content	40 CFR 60.333(b)	Y		0.8 percent by weight (8000 ppmw) sulfur	40 CRFR 60.334(h)(1)	P	Fuel Sulfur Content Testing	X	

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-2, COOLING TOWER
JULY 1, 2017 – DECEMBER 31, 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 No. 1 for more than 3 min/hr		N	Opacity	X	
Opacity	SIP Regulation 6-301	Y		< Ringelmann No. 1 for more than 3 min/hr		N	Opacity	X	
Particulate Weight	BAAQMD Regulation 6-1-310	N		0.15 grains per dscf		N	Particulate Weight	X	
Particulate Weight	SIP Regulation 6-310	Y		0.15 grains per dscf		N	Particulate Weight	X	
Particulate Weight	BAAQMD Regulation 6-1-311	Y		40 lb/hr	N	N	Particulate Weight	X	
Particulate Weight	SIP Regulation 6-311	Y		40 lb/hr	N	N	Particulate Weight	X	