

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

2425 Cordelia Road
Fairfield, CA 94533

January 25, 2012

U.S. EPA
75 Hawthorne Street
San Francisco, CA. 94105
Attn: AIR-3

Director of Compliance and Enforcement
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attn: Title V Reports

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2012 JUN 30 09:10:12
BAY AREA AIR QUALITY
MANAGEMENT DISTRICT

**Re: Wolfskill Energy Center Facility B4511
Title V Semi-Annual Monitoring Report
Reporting Period: July 1, 2011 through December 31, 2011**

Dear Sir or Madam:

Enclosed is the Title V Semi-Annual Monitoring Report for the Wolfskill Energy Center (WEC) for the reporting period from July 1, 2011 through December 31, 2011. There were no instances of excess emissions, Inoperative Monitor or non-compliance during this reporting period associated with the operation of the plant.

As the Responsible Official, I certify that these Reports are true, accurate and complete. If you have any questions, please contact me at (707) 399-4393.

Sincerely,



Fernando Parra
Plant Manager

Enclosures

cc: Barbara McBride
Dave Williams
Bob Ibrahim

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1, TURBINE #1
JULY 1, 2011 THROUGH DECEMBER 31, 2011

NOx	BAAQMD 9-9-301.3	Y		9 ppmv @ 15% O2, dry	BAAQMD 9-9-501 and [BAAQMD condition #19684, part 23c	C	CEM	X	
	BAAQMD 9-9-301.3	Y		9 ppmv @ 15% O2, dry	BAAQMD condition #19684, part 24a	P/A	Source Test	X	
	None	Y		None	40 CFR 75.10	C	CEM	X	
NOx	NSPS, 40 CFR 60.332 (a)(1)	Y		99ppmv @ 15% O2, dry	NSPS 40 CFR 60.334 (b)(1) and BAAQMD Condition 19684, part 26	N		X	
NOx	BAAQMD condition #19684, part 18.1	Y		2.5 ppm @15% O2, dry 3-hr average except during turbine startup or shutdown	BAAQMD condition #19684, part 18.1	C	CEM	X	
NOx	BAAQMD condition #19684, part 18.1	Y		2.5 ppm @15% O2, dry 3-hr average except during turbine startup or shutdown	BAAQMD condition #19684, part 24a	P/A	Source Test	X	
	BAAQMD condition #19684, part 21	Y		109 lb/ day (as NO2)	BAAQMD condition #19684, part 23c	C	CEM	X	

VII. Applicable Limits and Compliance Monitoring Requirements

NOx	BAAQMD condition #19684, part 21	Y		14.7 tons per year (as NO2)	BAAQMD condition #19684, part 23c	C	CEM	X	
CO	BAAQMD condition #19684, part 18.3	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	
	BAAQMD condition #19684, part 18.3	Y		6 ppmv. @ 15% O2, dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #19684, part 24c	P/A	Source Test	X	
	BAAQMD condition #19684, part 21	Y		159 lbs/day	BAAQMD condition #19684, part 23c	C	CEM	X	
CO	BAAQMD condition #19684, part 21	Y		21.5 tons per year	BAAQMD condition #19684, part 23c	C	CEM	X	
CO2		Y		None	40 CFR 75.10	C	CEM (CO2) or CEM (O2) or fuel flow monitor	X	

VII. Applicable Limits and Compliance Monitoring Requirements

Parameter	Standard	Enforced	Limit	Monitoring	Frequency	Method	Analysis	Compliance
SO2	BAAQMD 9-1-301	Y	GLC of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N			X
	BAAQMD 9-1-302	Y	300 ppm (dry)	BAAQMD condition #19684, part 23c	P/Q	Fuel Gas	Total sulfur content analysis	X
SO2	NSPS 40 CFR 60.333(u)	Y	0.015% (vol) @ 15% O ₂ (dry)	NSPS 40 CFR 60.334(b)(1) and BAAQMD Condition 19684, Part 26	Twice per month for six months, followed by quarterly for one year, followed by a semiannual frequency		Sulfur analysis	X
SO2	None	Y	None	40 CFR 75.11, 40 CFR 75, Appendix D, part 7.3			Fuel measurements, calculations	X
	BAAQMD condition #19684, part 18.6	Y	1.38 lb/hr	BAAQMD condition #19684, part 23c	P/Q	Fuel gas	Total sulfur content analysis	X
SO2	BAAQMD condition #19684, part 18.6	Y	1.38 lb/hr	BAAQMD condition #19684, part 24f	P/A	Source test		X
	BAAQMD condition #19684, part 21	Y	32 lb/day	BAAQMD condition #19684, part 23e	P/Q	Fuel Gas	Total sulfur content analysis	X

VII. Applicable Limits and Compliance Monitoring Requirements

Parameter	Standard	Applicable	Limit	Compliance Method	Monitoring	Frequency	Analysis	Compliance	Notes
SO ₂	BAAQMD condition #19684, part 21	Y	4.5 tons/year	BAAQMD condition #19684, part 23e	P/Q		Fuel Gas Total sulfur content analysis	X	
Opacity	BAAQMD 6-301	Y	> Ringelmann No.1 for no more than 3 minutes in any hour		N			X	
Opacity	BAAQMD condition #19684, part 18	Y	> Ringelmann No.1 for no more than 3 minutes in any hour or equivalent 20% opacity		N			X	
FP	BAAQMD 6-310	Y	0.15 grains/dscf		N			X	
PM ₁₀	BAAQMD condition #19684, part 18.5	Y	3 lb/hr	BAAQMD condition #19684, part 24c	P/A		Source Test	X	
	BAAQMD condition #19684, part 21	Y	72 lb/day	BAAQMD condition #19684, parts 23d, 24c	P/A		Source Test	X	
PM ₁₀	BAAQMD condition #19684, part 21	Y	9.8 tons/year	BAAQMD condition #19684, part 24e	P/A		Source Test	X	

VII. Applicable Limits and Compliance Monitoring Requirements

Parameter	Condition	Y/N	Unit	Limit	Condition	Compliance Method	Monitoring Method	Frequency	Notes
POC	BAAQMD condition #19684, part 18.4	Y		2 ppmv @ 15% O ₂ , dry, 1-hr average except during turbine startup or shutdowns	BAAQMD condition #19684, part 24d	C	Source Test	X	
POC	BAAQMD condition #19684, part 18.4	Y		2 ppmv @ 15% O ₂ , dry, 1-hr average except during turbine startup or shutdowns	BAAQMD condition #19684, part 24d	P/A	Source Test	X	
POC	BAAQMD condition #19684, part 21	Y		31 lb/calendar day	BAAQMD condition #19684, part 24d	P/A	Source Test	X	
	BAAQMD condition #19684, part 21	Y		4.1 ton/year	BAAQMD condition #19684, part 24d	P/A	Source Test	X	
NH ₃	BAAQMD condition #19684, part 18.2	N		10ppmv @ 15% O ₂ , dry, averaged over 1 hr except during turbine startup or shutdown	BAAQMD condition #19684, parts 18.2 and 23b	C	Measurement ratio NH ₃ to NOX inlet rate at SCR	X	

VII. Applicable Limits and Compliance Monitoring Requirements

Parameter	BAAQMD Condition	Y/N	Part 22/23/24	Limit	Monitoring Method	Monitoring Frequency	Monitoring Method	Compliance	
								Monitoring	Reporting
	BAAQMD condition #19684, part 18.2	N		10ppmv @15% O2, dry, averaged over 1 hr except during turbine startup or shutdown	BAAQMD condition #19684, part 24b	P/A	Source Test	X	
Heat input limit	BAAQMD condition #19684, part 22	Y		500 MMBTU/hr (HHV)	BAAQMD condition #19684, part 23d	C	Fuel meter, firing monitor	X	
	BAAQMD condition #19684, part 22	Y		500 MMBTU/hr (HHV)	BAAQMD condition #19684, part 23d	P/Q	Fuel composition analysis	X	
	BAAQMD condition #19684, part 22	Y		500 MMBTU/hr (HHV)	BAAQMD condition #19684, part 24g	P/A	Source test	X	
	BAAQMD condition #19684, part 22	Y		12,000 MMBTU/day (HHV)	BAAQMD condition #19684, part 23d	C	Fuel meter, firing monitor, calculations	X	
Heat input limit	BAAQMD condition #19684, part 22	Y		12,000 MMBTU/day (HHV)	BAAQMD condition #19684, part 23d	P/Q	Fuel composition analysis	X	
	BAAQMD condition #19684, part 22	Y		3,250,000 MMBTU/yr (HHV)	BAAQMD condition #19684, part 23d	C	Fuel meter, firing monitor, calculations	X	
	BAAQMD condition #19684, part 22	Y		3,250,000 MMBTU/yr (HHV)	BAAQMD condition #19684, part 24i	P/Q	Fuel composition analysis	X	

VII. Applicable Limits and Compliance Monitoring Requirements

Parameter	Condition	Y/N	Limit	Monitoring	Method	Frequency	Records	Compliance
Unabated firing	BAAQMD condition #19684, part 8	Y	100 hours during commissioning	BAAQMD condition #19684, part 8	P/I	Records	X	
MW			None	BAAQMD condition #19684, part 24h	P/A	Source test	X	
Exhaust Gas temperature			None	BAAQMD condition #19684, part 24j	P/A	Source test	X	
Stack gas flow rate			None	BAAQMD condition #19684, part 24i	P/A	Source test	X	
NH3 injection rate			None	BAAQMD condition #19684, part 24k	P/A	Source test	X	
Start-up Period	BAAQMD condition #19684, part 19		60 minutes per start-up	BAAQMD condition #19684, part 30(b)	P/E	Records	X	
Shutdown Period	BAAQMD condition #19684, part 20		30 minutes per shutdown	BAAQMD condition #19684, part 30(b)	P/E	Records	X	

VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - B
 Applicable Limits and Compliance Monitoring Requirements
 S2 - COOLING TOWER**

Parameter	Regulation	Y	X	Limit	Monitoring	Compliance	Reporting	Other
Opacity	BAAQMD Regulation 6-301	Y		< Ringelmann 1 for more than 3 min/hr		N		X
Particulate Weight	BAAQMD Regulation 6-301	Y		0.15 grains per dsaf		N		X