

Major Facility Review Permit - Semiannual Monitoring Compliance Report
Oakland Power Plant - Facility #B1887
March 1, 2012 to August 31, 2012

As required by Permit Condition I.F, the following table summarizes the compliance with the monitoring requirements of
 Tables VII – A, VII – B and VII - C.

Type of Limit*	Emission Limit Citation*	Emission Limit*	Monitoring Requirement Citation*	Monitoring Frequency (P/C/N)*	Monitoring Type*	Compliance Summary
NO _x	BAAQMD 9-9-302	65 ppmv, dry @ 15% O ₂	BAAQMD condition #2571, part 12b	P/D	water-to-fuel monitoring	The water-to-fuel ratio is checked daily when operating and adjusted, if necessary, to meet the ≥ 60% and ≤ 90% limit of permit condition #2571, part 8.
	BAAQMD 9-9-302	65 ppmv, dry @ 15% O ₂	BAAQMD condition #2571, part 10	P/every 2000 hours of operation	source test	No source tests were required during this period. See note 1.
	BAAQMD condition #2571, part 3a	75 ppmv, dry @ 15% O ₂ , 3-hr average	BAAQMD condition #2571, part 12b	C	water-to-fuel monitoring	The water-to-fuel ratio is checked daily when operating and adjusted, if necessary, to meet the ≥ 60% and ≤ 90% limit of permit condition #2571, part 8.
	BAAQMD condition #2571, part 3a	75 ppmv, dry @ 15% O ₂ , 3-hr average	BAAQMD condition #2571, part 10	P/every 2000 hours of operation	source test	No source tests were required during this period. See note 1.
	BAAQMD condition #2571, part 3b	65 ppmv, dry @ 15% O ₂ , 3-hr average, except for startup and shutdown	BAAQMD condition #2571, part 12b	P/H	water-to-fuel monitoring	The water-to-fuel ratio is checked daily when operating and adjusted, if necessary, to meet the ≥ 60% and ≤ 90% limit of permit condition #2571, part 8.
	BAAQMD condition #2571, part 3b	65 ppmv, dry @ 15% O ₂ , 3-hr average, except for startup and shutdown	BAAQMD condition #2571, part 10	P/every 2000 hours of operation	source test	No source tests were required during this period. See note 1.

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Type of Limit*	Emission Limit Citation*	Emission Limit*	Monitoring Requirement Citation*	Monitoring Frequency (P/C/N)*	Monitoring Type*	Compliance Summary
SO ₂	BAAQMD 9-1-301	GLC 0.5 ppm (3 min average) 0.25 ppm (60 min average) 0.05 ppm (24 hr average)		N		n/a
	BAAQMD 9-1-304	Sulfur content of fuel < 0.5% by weight	BAAQMD condition #2571, part 9	P/E	fuel analysis or certification	Each shipment of fuel received had sulfur content less than 0.05% by weight.
	BAAQMD condition #2571, part 2	Sulfur content of fuel < 0.3% by weight	BAAQMD condition #2571, part 9	P/E	fuel analysis or certification	Each shipment of fuel received had sulfur content less than 0.05% by weight. [The "Emission Limit" citation should be #2571, part 4.]
Opacity	BAAQMD 6-301	Ringelmann No. 1 for no more than 3 min/hr	BAAQMD condition #2571, part 11	P/every 400 hours of operation	visible emissions check	The operator checks for visible emission at each turbine start up. Startups occurred more frequently than every 400 hours.
FP	BAAQMD 6-310	0.15 grain/dscf		N		n/a
NMOC	BAAQMD condition #2571, part 3	< 40 lb/hr for all turbines combined	BAAQMD condition #2571, part 10	P/every 2000 hours of operation	source test	No source tests were required during this period. See note 1. [The "Emission Limit" citation should be #2571, part 5.]
	BAAQMD 11-1-301	15 lb/day		N		n/a
Lead	BAAQMD 11-1-302	GLC not to exceed 1.0 ug/cm.m., 24 hr. avg.		N		n/a

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Type of Limit*	Emission Limit Citation*	Emission Limit*	Monitoring Requirement Citation*	Monitoring Frequency (P/C/N)*	Monitoring Type*	Compliance Summary
Hours of operation	BAAQMD 9-9-302	< 877 hr/per 12-month period for each turbine	BAAQMD 9-9-302	P/E	records	Each turbine operated less than 877 hours per 12-month period as shown in Table II, Note 2.
	BAAQMD condition #2571, part 4	< 5000 hr/yr for all turbines combined	BAAQMD condition #2571, part 12	P/E	records	The total operating hours for the year 2011 were 304.7 hours. The total operating hours for the year 2012 as of 8/31/12 were 391.1. [The "Emission Limit" citation should be #2571, part 6.]
VOC	BAAQMD condition #5974, part 1	< 20 gal/yr	BAAQMD condition #5974, part 2	P/D	records	No solvent wipe cleaning occurred during this report period.
Opacity	BAAQMD 6-303	Ringelmann No. 2 for no more than 3 min/hr		N		n/a
SO ₂	BAAQMD 9-1-304	Sulfur content of fuel < 0.5% by weight	BAAQMD condition #22183, part 4	P/M	fuel analysis or certification	Each shipment of fuel received had sulfur content less than 0.05% by weight.
Hours of Operation	BAAQMD 9-8-330	100 hours in a calendar year	BAAQMD 9-8-530	P/E	records	The emergency standby diesel engine operated 13.0 hours for reliability-related activities in 2011

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Notes:

1. Table I below shows compliance with the source test requirements.

**TABLE I
Source Test Compliance Information**

Turbine Engine	Date of Currently Applicable Source Test	Hours of operation since currently applicable source test.	Hours of operation since current source test less than 2000 hours (yes/no)
1A	6/20/07	462.6	Yes – complies
1B	6/20/07	442.0	Yes – complies
2A	6/22/07	587.9	Yes – complies
2B	6/22/07	536.0	Yes – complies
3A	6/21/07	311.8	Yes – complies
3B	6/21/07	294.6	Yes – complies

2. Table II below shows compliance with 877 hours operating hours per 12-month period limit.

**TABLE II
Operating Hours Rolling 12-Month Compliance Information**

	Turbine Engine 1A Rolling 12-Month Operating Hours	Turbine Engine 1B Rolling 12-Month Operating Hours	Turbine Engine 2A Rolling 12-Month Operating Hours	Turbine Engine 2B Rolling 12-Month Operating Hours	Turbine Engine 3A Rolling 12-Month Operating Hours	Turbine Engine 3B Rolling 12-Month Operating Hours
September 2011	65.4	53.7	18.8	15.8	27.5	17.5
October 2011	0.0	0.0	0.0	0.0	4.2	1.4
November 2011	6.3	0.0	11.1	0.1	1.3	1.4
December 2011	10.0	0.0	0.0	0.0	0.0	0.0
January 2012	0.0	0.0	0.0	0.0	0.0	0.0
February 2012	38.9	26.0	22.8	7.4	1.6	2.0
March 2012	4.5	0.0	0.2	0.1	0.1	0.1
April 2012	59.6	55.9	35.0	27.3	0.1	0.1
May 2012	0.1	0.1	5.5	0.8	3.9	4.4
June 2012	21.5	22.8	9.6	0.5	12.8	12.8
July 2012	0.0	0.0	0.0	0.3	0.0	0.0
August 2012	0.0	0.0	10.6	0.0	3.7	0.0

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