AES Puerto Rico

AES Puerto Rico, LP
PO Box 1890
Guayama, PR 00785
tel 787 866 8117
fax 787 866 8139
www.aespuertorico.com

CAPS
TPP
FC

May 3, 2007

VIA UPS

Mr. Kenneth Eng
Chief, Air Compliance Branch
Division of Enforcement and Compliance Assistance
U.S. Environmental Protection Agency
Region 2
290 Broadway – 21 st Floor
New York, NY 10007-1866

Subject: AES Puerto Rico, LP Cogeneration Plant, Guayama
PFE-30-0896-0860-II-C and PFE-TV-4911-30-0703-1130
1st Quarter 2007 – CEMS Report

Dear Mr. Eng:

Enclosed is a copy of the AES Puerto Rico LP CEMS Quarterly Report for the 1st Quarter 2007. The malfunction of the CEMS reporting system has delayed the submittal of this report. We apologize for this inconvenience. This is being submitted in accordance with the requirements of the facility's PSD Permit, 40 CFR Part 60.49a and Appendix F to Part 60.

Based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate and complete as the best of my knowledge.

If you have any question please contact Eng. Geannette Siberón at (787)866-8117 ext. 239.

Sincerely,

David Stone

Cc: CEM Coordinator, Region 2
Director, CEPD, US EPA
Manager, PREQB Air Permit Program

AES PUERTO RICO, LP

Q1 2007

CONTINUOUS EMISSIONS MONITORING SYSTEM REPORT

Table of Contents

Tab	Section Description
1	Excess Emissions and Malfunction Events Summary – Unit 1
2	Excess Emissions and Malfunction Events Summary – Unit 2
3	Monitoring System Performance – Unit 1
4	Monitoring System Performance – Unit 2
5	30-Days Excess Emissions – Unit 1 & 2
6	Q1'07 Coal Analytical Data, 2006 Semiannual Analysis Data and Visible Emissions Readings
7	CAG, Calibration/Maintenance Records – Unit 1 & 2

Events Report (Normal Operation)

Report Jan 01, 2007 -- Mar 31, 2007 May, 03 2007

N-C Beginning Date	N-C Duration (Hours)	Parameter	If Other, N-C Type Detail	Individual Or Grouped	If Group, Total # of N-Cs	If Unit, Source Detail	Results	Limit	N-C Cause	N-C Corrective Action	Preventive Action
Jan 02, 2007	0.3	Opacity / Particulate Limit	COMS-DAS failure	Grouped	3	Unit 1	33.7%	20% except one event >27% in 1-hr	Opacity meter fault.	Inspected, calibration check completed.	Not required.
Jan 11, 2007	5.7	Opacity / Particulate Limit	1/11/07: New coal (supplier)	Grouped	57	Unit 1	68	20%except 1 event<27% in 1-hr	Note 1	COMS and ESP components inspected and PM completed, reduced load, troubleshooting of all systems completed, adjusted several operating parameters and rapping system.	Documented set point and operating conditions requirements.
Jan 12, 2007	10.9	Opacity / Particulate Limit	Opacity deviations related to new coal properties and ESP corrosion.	Grouped	109	UNIT 2	68%	20% except one event <27% in 1-hr	Note 1	COMS and ESP components inspected and PM completed, reduced load, troubleshooting of all systems completed, adjusted several operating parameters and rapping system.	Documented set point and operating conditions requirements.
Jan 24, 2007	0.6	Opacity / Particulate Limit	Opacity deviations related to new coal properties.	Grouped	6	Unit 1	28%	20% except one event <27% in 1hr	Testing rapping changes.	Test stop.	No action required.
Jan 25, 2007	0.3	Opacity / Particulate Limit	ESP corrosion related.	Grouped	4	UNIT 2	68%	20% except one event <27% in 1-hr	ESP component made contact with TR and caused a TR12 trip.	Module replaced.	ESP inspected and situation corrected.
Feb 01, 2007	2.1	Opacity / Particulate Limit	Opacity Excursion	Grouped	21	Unit 1	80.6%	20%	Note 1	Made operating adjustments, troubleshooting and controlled the load. Maintained the average opacity below 10% to minimize potential events.	Documented set points and operating conditions requirements.
Feb 01, 2007	1.6	Opacity / Particulate Limit	Opacity excursions	Grouped	16	UNIT 2	71.4%	20%	Note 1	Made operating adjustments, troubleshooting and controlled the load. Maintained the average opacity below 10% to minimize potential events.	Documented set points and operating conditions requirements.
Mar 05, 2007	0.1	Opacity / Particulate Limit	ESP - out of control process causing an opacity exceedance	Individual	0	UNIT 2	27.5%	20% except one event <27% in a period of one hour	Turbulence inside the ESP while closing an ESP door.	Kept the door open, reduced load to reduce opacity levels and then closed the ESP door	N/A.
Mar 19, 2007	0	Opacity / Particulate Limit	Opacity Exceedance due to T/R 1-12 high sparkling rates	Individual	0	Unit 1	32.9%	20% except one event <27% in a period of one hour	TR's 1-10 and 1-12 high sparkling rates apparently caused by heavy layers of fly ash that fell off from the collecting plates.	Installed another CDS Nozzle at the CDS to lower the Temperature, to lower the average opacity and control the opacity spikes	N/A.
Mar 25, 2007	0.1	Opacity / Particulate Limit	COMS trouble resulting if fixed false opacity values	Individual	0	Unit 1	32.9%	20% except one event <27% in a period of one hour	Undetermined root cause. One theory is a malfunction of the COMS controllers resulting in fixed opacity instantaneous values to the DAS causing false high readings after complete the calibration check.	Performed a second calibration check to the COMS to indirectly reset the system and verify the quality of the data. No additional action was required.	None. Undetermined root cause.
Mar 27, 2007	0.3	Opacity / Particulate Limit	COMS troubles causing false high opacity readings	Grouped	3	Unit 1	80.7%	20% except one event <27% in a period of one hour	Undetermined root cause. One theory is a malfunction of the COMS controllers resulting in fixed opacity instantaneous values to the DAS causing false high readings after complete the calibration check.	Performed a second calibration check to the COMS to indirectly reset the system and verify the quality of the data. No additional action was required.	None. Undetermined root cause.

Notes:

1. **Opacity Deviations Root Cause**: Undetermined the root cause.

Contributing Factors: In January 2007 AESPR introduced a coal from a different supplier (mine) in compliance with the contract with PREPA. The new coal properties were used for the original plant design. No major issues were anticipated to burn this coal.

Opacity incidents started to ocurr as soon as was burned the new coal. The systems were troubleshooted, operating paramater adjusted and load reduced. The system finally stabilized after complete the full turnover of the coal and ash. The theory is that both had different characteristics that difficult to operate in one specific scenario of set points. Situation was controlled mid of February.

Untitled
Opacity Monthly CEMS Report
AES Puerto Rico
Units 1 and 2

Reporting Period
Start: 01/01/2007 0:00
End : 03/31/2007 23:59

Daily Averages

Date	Unit 1 Opacity Daily Average	Unit 2 Opacity Daily Average
01/01/2007	3.5	5.3
01/02/2007	4.1	5.5
01/03/2007	2.9	6.1
01/04/2007	2.8	5.6
01/05/2007	3.1	6.5
01/06/2007	3.3	6.8
01/07/2007	4.1	4.9
01/08/2007	3.2	4.9
01/09/2007	3.1	6.1
01/10/2007	3.3	6.1
01/11/2007	5.5	8.2
01/12/2007	9.5	16.0
01/13/2007	13.7	13.7
01/14/2007	15.7	16.7
01/15/2007	13.9	15.1
01/16/2007	12.0	15.7
01/17/2007	11.5	15.6
01/18/2007	12.3	12.4
01/19/2007	13.3	12.9
01/20/2007	11.8	12.8
01/21/2007	11.3	14.4
01/22/2007	10.2	10.7
01/23/2007	9.1	10.5
01/24/2007	10.2	6.2
01/25/2007	8.4	4.9
01/26/2007	6.0	5.1
01/27/2007	9.9	3.5
01/28/2007	4.9	3.6
01/29/2007	0.0	4.5
01/30/2007	2.2	5.5
01/31/2007	7.5	5.3
02/01/2007	10.3	6.6
02/02/2007	9.0	8.1
02/03/2007	9.0	7.9
02/04/2007	6.5	9.4
02/05/2007	11.2	9.0
02/06/2007	12.9	0.0
02/07/2007	11.7	0.0
02/08/2007	10.5	0.0
02/09/2007	10.0	0.0
02/10/2007	9.8	11.2
02/11/2007	12.6	11.4
02/12/2007	11.1	14.5
02/13/2007	8.8	11.2
02/14/2007	7.8	13.4
02/15/2007	9.2	10.9
02/16/2007	10.7	9.6
02/17/2007	8.3	7.7
02/18/2007	8.7	8.3
02/19/2007	10.6	11.9
02/20/2007	6.7	11.1

		Untitled
02/21/2007	5.6	9.1
02/22/2007	5.9	6.9
02/23/2007	6.5	9.4
02/24/2007	5.0	7.1
02/25/2007	5.4	8.8
02/26/2007	5.3	9.0
02/27/2007	5.0	9.7
02/28/2007	5.3	10.4
03/01/2007	6.0	9.2
03/02/2007	5.3	8.2
03/03/2007	5.4	7.5
03/04/2007	5.3	5.8
03/05/2007	5.1	8.3
03/06/2007	5.4	10.4
03/07/2007	5.3	9.6
03/08/2007	5.3	12.0
03/09/2007	4.7	10.8
03/10/2007	5.9	9.0
03/11/2007	6.0	7.4
03/12/2007	6.6	9.7
03/13/2007	7.1	10.5
03/14/2007	7.8	11.2
03/15/2007	7.3	9.8
03/16/2007	6.3	9.0
03/17/2007	6.7	11.0
03/18/2007	7.7	12.0
03/19/2007	8.5	13.2
03/20/2007	6.5	7.8
03/21/2007	6.0	6.3
03/22/2007	6.1	5.2
03/23/2007	4.9	5.5
03/24/2007	4.3	4.5
03/25/2007	4.6	3.7
03/26/2007	4.9	7.1
03/27/2007	7.0	7.9
03/28/2007	5.9	9.0
03/29/2007	5.6	8.4
03/30/2007	4.8	7.1
03/31/2007	5.4	3.7

AES
Puerto Rico

Excess Emissions and Malfunctions –

Unit 1

March Opacity Exceedances U1

Opacity Excess Emissions Report
AES Puerto Rico
Unit #1

Opacity Excess Emission Limit: 20.0 %

Today's Date: 04/12/2007
Time: 09:20:23

Reporting Period
03/01/2007 - 03/31/2007

Date	Time	ID	Value	Reason / Action / Comment
03/19/2007	2348	OPACITY1	32.900%	R: PRECIPITATOR TROUBLE A: NOTIFIED BTO C: Opacity problem due a T/R 1-12 o versparking.
03/25/2007	0312	OPACITY1	32.900%	R: MONITOR SYSTEM TROUBLE A: NOTIFIED BTO C: Since 0306 the opacimeter get s tuck at 32.9% without
03/27/2007	0042	OPACITY1	49.300%	R: MONITOR SYSTEM TROUBLE A: NOTIFIED BTO C: Opacimeter gets stuck at 80.7%, CEMS don't reset
03/27/2007	0048	OPACITY1	80.700%	R: MONITOR SYSTEM TROUBLE C: Opacimeter gets stuck at 80.7%, CEMS don't reset.
03/27/2007	0054	OPACITY1	80.600%	R: MONITOR SYSTEM TROUBLE C: Opacimeter gets at 80.7%, CEMS d on't reset.

Q1'07 U1 Opacity CEMS Deviations 2

Opacity Excess Emissions Report
AES Puerto Rico
Unit #1

Opacity Excess Emission Limit: 20.0 %

Reporting Period
01/01/2007 - 03/31/2007

Date	Time	ID	Value	Reason / Action / Comment
JANUARY				
01/02/2007	0654	OPACITY1	32.000%	R: MONITOR SYSTEM TROUBLE A: NOTIFIED BTO C: Opacity meter fault.
01/02/2007	0700	OPACITY1	32.800%	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: Opacity monitor failed
01/08/2007	2248	OPACITY1	33.700%	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: a las 22:59 el sistema de calib racion se quedo en el mismo
01/11/2007	2236	OPACITY1	21.600%	R: PRECIPITATOR TROUBLE A: REDUCE LOAD C: coal composition chg
01/12/2007	2024	OPACITY1	28.700%	R: LOADSWING C: coal composition changed
01/12/2007	2030	OPACITY1	28.600%	R: LOADSWING A: REDUCE LOAD C: coal composition changed
01/13/2007	0912	OPACITY1	21.800%	R: PRECIPITATOR TROUBLE C: coal composition change
01/13/2007	1506	OPACITY1	21.300%	R: PRECIPITATOR TROUBLE C: coal composition change
01/13/2007	1530	OPACITY1	22.100%	R: PRECIPITATOR TROUBLE C: coal composition change
01/13/2007	1542	OPACITY1	26.000%	R: PRECIPITATOR TROUBLE C: coal composition change
01/13/2007	1706	OPACITY1	40.300%	R: LOADSWING C: coal comp chg
01/13/2007	1712	OPACITY1	41.500%	R: LOADSWING C: coal comp chg
01/13/2007	1718	OPACITY1	28.000%	R: LOADSWING C: coal comp chg
01/13/2007	1724	OPACITY1	21.200%	R: LOADSWING C: coal comp chg
01/13/2007	1748	OPACITY1	22.000%	R: LOADSWING C: coal comp chg

Q1'07 U1 Opacity CEMS Deviations 2

01/13/2007	1754	OPACITY1	37.400%	R: LOADSWING C: coal comp chg
01/13/2007	1812	OPACITY1	20.200%	R: LOADSWING C: coal comp chg
01/13/2007	1836	OPACITY1	37.400%	R: LOADSWING C: coal comp chg
01/13/2007	1842	OPACITY1	21.600%	R: LOADSWING A: NOTIFIED BTO C: coal comp chg
01/13/2007	1848	OPACITY1	22.200%	R: LOADSWING C: coal comp chg
01/13/2007	1900	OPACITY1	37.500%	R: LOADSWING C: coal comp chg
01/14/2007	0400	OPACITY1	27.900%	R: PRECIPITATOR TROUBLE C: Problems with the coal new chara cteristics
01/14/2007	0542	OPACITY1	20.200%	R: MISC.EQUIPMENT TROUBLE A: NOTIFIED CONTROLS SHOP C: coal composition change
01/14/2007	0748	OPACITY1	31.000%	R: PRECIPITATOR TROUBLE A: NOTIFIED BTO C: coal composition problems
01/14/2007	1042	OPACITY1	22.900%	C:
01/14/2007	1206	OPACITY1	24.200%	C:
01/14/2007	1212	OPACITY1	43.100%	C:
01/14/2007	1218	OPACITY1	62.900%	C:
01/14/2007	1224	OPACITY1	67.600%	C:
01/14/2007	1230	OPACITY1	37.100%	C:
01/14/2007	1330	OPACITY1	20.100%	C:
01/14/2007	1412	OPACITY1	20.800%	C:
01/14/2007	1848	OPACITY1	25.800%	R: LOADSWING C: coal composition change
01/14/2007	2242	OPACITY1	21.400%	R: LOADSWING C: coal composition change
01/14/2007	2248	OPACITY1	29.800%	R: LOADSWING C: coal composition change

Q1'07 U1 Opacity CEMS Deviations 2

01/14/2007 2254	OPACITY1	31.000%	R: LOADSWING C: coal composition change
01/14/2007 2318	OPACITY1	38.000%	R: LOADSWING C: coal composition change
01/14/2007 2324	OPACITY1	30.600%	R: LOADSWING C: coal composition change
01/14/2007 2330	OPACITY1	31.200%	R: LOADSWING C: coal composition change
01/14/2007 2336	OPACITY1	47.100%	R: LOADSWING C: coal composition change
01/14/2007 2342	OPACITY1	26.100%	R: LOADSWING C: coal composition change
01/15/2007 0530	OPACITY1	21.100%	R: COALFEEDER/MILL TROUBLE A: NOTIFIED BTO C: Problems with the coal new compo sition
01/15/2007 0536	OPACITY1	36.000%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition
01/15/2007 0542	OPACITY1	34.000%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition
01/15/2007 0548	OPACITY1	28.000%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition
01/15/2007 0554	OPACITY1	23.900%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition
01/15/2007 0612	OPACITY1	23.400%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition
01/15/2007 0648	OPACITY1	20.900%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition
01/15/2007 0654	OPACITY1	23.300%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition
01/15/2007 0724	OPACITY1	30.200%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition
01/15/2007 0730	OPACITY1	48.500%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition
01/15/2007 0736	OPACITY1	32.900%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition

Q1'07 U1 Opacity CEMS Deviations 2

01/15/2007 0742	OPACITY1	64.600%	R: PRECIPITATOR TROUBLE A: NOTIFIED CONTROLS SHOP C: problems with new coal compositi on
01/15/2007 0748	OPACITY1	38.000%	R: PRECIPITATOR TROUBLE C: problems with new coal compositi on
01/15/2007 0754	OPACITY1	50.100%	R: PRECIPITATOR TROUBLE C: problems with new coal compositi on
01/15/2007 0800	OPACITY1	39.700%	R: PRECIPITATOR TROUBLE C: problems with new coal compositi on
01/15/2007 0824	OPACITY1	32.100%	R: PRECIPITATOR TROUBLE C: problems with new coal compositi on
01/15/2007 0830	OPACITY1	22.700%	R: PRECIPITATOR TROUBLE C: problems with new coal compositi on
01/16/2007 0106	OPACITY1	26.000%	R: MONITOR SYSTEM TROUBLE C: opacity monitor malfuntion
01/16/2007 0112	OPACITY1	25.200%	R: MONITOR SYSTEM TROUBLE
01/16/2007 0118	OPACITY1	22.700%	R: MONITOR SYSTEM TROUBLE C: opacity monitor malfuntion
01/16/2007 0536	OPACITY1	24.100%	R: PRECIPITATOR TROUBLE C: new coal composition
01/16/2007 0542	OPACITY1	23.800%	R: PRECIPITATOR TROUBLE C: new coal composition
01/16/2007 0548	OPACITY1	23.500%	R: PRECIPITATOR TROUBLE C: new coal composition
01/16/2007 1536	OPACITY1	28.700%	C:
01/16/2007 1542	OPACITY1	36.600%	C:
01/19/2007 0012	OPACITY1	21.300%	R: PRECIPITATOR TROUBLE C: new coal properties, one event < 27 in 1-hr
01/19/2007 0018	OPACITY1	20.800%	R: PRECIPITATOR TROUBLE C: new coal composition
01/24/2007 1536	OPACITY1	27.800%	R: PRECIPITATOR TROUBLE A: NOTIFIED CONTROLS SHOP C: re program the esp, Trs, plates
01/24/2007 1542	OPACITY1	28.000%	R: PRECIPITATOR TROUBLE C: re program the esp, Trs, plates

Q1'07 U1 Opacity CEMS Deviations 2

01/24/2007	1606	OPACITY1	20.400%	R: PRECIPITATOR TROUBLE C: re program the esp, Trs, plates
01/24/2007	1612	OPACITY1	21.900%	R: PRECIPITATOR TROUBLE C: re program the esp, Trs, plates
01/24/2007	1618	OPACITY1	24.600%	R: PRECIPITATOR TROUBLE C: re program the esp, Trs, plates
01/24/2007	1930	OPACITY1	23.200%	R: PRECIPITATOR TROUBLE A: REDUCE LOAD C: shutdown
01/26/2007	0130	OPACITY1	29.100%	R: PRECIPITATOR TROUBLE A: NOTIFIED CONTROLS SHOP C: TR 2-12 tripped off by overcurr ent
01/27/2007	1454	OPACITY1	38.400%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1500	OPACITY1	46.300%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1506	OPACITY1	29.600%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1518	OPACITY1	38.400%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1524	OPACITY1	26.000%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1530	OPACITY1	20.700%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1536	OPACITY1	25.900%	R: SHUTDOWN/UNIT TRIP C: shutdown MW=0
01/27/2007	1542	OPACITY1	70.600%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1548	OPACITY1	61.800%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1554	OPACITY1	49.100%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1600	OPACITY1	39.800%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1754	OPACITY1	29.100%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1812	OPACITY1	23.400%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1818	OPACITY1	25.700%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1824	OPACITY1	44.800%	R: PRECIPITATOR TROUBLE C: shutdown

Q1'07 U1 Opacity CEMS Deviations 2

01/27/2007	1830	OPACITY1	25.200%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1836	OPACITY1	21.000%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1842	OPACITY1	25.600%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1848	OPACITY1	22.100%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1854	OPACITY1	41.900%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	1912	OPACITY1	21.100%	R: PRECIPITATOR TROUBLE C: shutdown
01/27/2007	2248	OPACITY1	20.300%	R: PRECIPITATOR TROUBLE C: shutdown
01/30/2007	0012	OPACITY1	27.400%	R: SHUTDOWN/UNIT TRIP A: NOTIFIED MAINTENANCE SHOP C: MW=0 Tube Leak shutdown
01/31/2007	2318	OPACITY1	24.100%	R: MISC.EQUIPMENT TROUBLE C: Spike while unit was stable at 2 54 MW

FEBRUARY

02/10/2007	1954	OPACITY1	63.300%	R: MONITOR SYSTEM TROUBLE C: Opacity Monitor in calibration
02/10/2007	2000	OPACITY1	70.600%	R: MONITOR SYSTEM TROUBLE C: Opacity Monitor in calibration
02/11/2007	0312	OPACITY1	27.400%	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: Opacity Meter Lenses disalligned
02/11/2007	0906	OPACITY1	20.300%	R: PRECIPITATOR TROUBLE C: coal properties
02/11/2007	0924	OPACITY1	25.700%	R: PRECIPITATOR TROUBLE C: coal properties
02/11/2007	0930	OPACITY1	29.500%	R: PRECIPITATOR TROUBLE C: coal properties
02/11/2007	0936	OPACITY1	23.400%	R: PRECIPITATOR TROUBLE C: coal properties
02/11/2007	1430	OPACITY1	25.700%	R: PRECIPITATOR TROUBLE C: coal composition
02/11/2007	1442	OPACITY1	22.600%	R: PRECIPITATOR TROUBLE A: REDUCE LOAD C: coal composition
02/12/2007	0600	OPACITY1	38.200%	R: LOADSWING

Q1'07 U1 Opacity CEMS Deviations 2

			A: REDUCE LOAD C: opacity problems while raising l oad
02/12/2007 0606	OPACITY1	30.000%	R: LOADSWING C: opacity problems while raising l oad
02/12/2007 0618	OPACITY1	39.600%	R: LOADSWING C: opacity problems while raising l oad
02/12/2007 0624	OPACITY1	42.500%	R: LOADSWING C: opacity problems while raising l oad
02/12/2007 0630	OPACITY1	52.500%	R: LOADSWING C: opacity problems while raising l oad
02/12/2007 0636	OPACITY1	29.000%	R: LOADSWING C: opacity problems while raising l oad
02/12/2007 0642	OPACITY1	20.800%	R: LOADSWING C: opacity problems while raising l oad
02/14/2007 1136	OPACITY1	21.900%	R: LOADSWING C: raised during load increase
02/16/2007 1918	OPACITY1	27.500%	R: PRECIPITATOR TROUBLE C: sudden over 80% spike.reason unk nown
02/17/2007 0218	OPACITY1	27.700%	R: PRECIPITATOR TROUBLE A: NOTIFIED BTO C: sudden spike (80%) reason unknow n
02/19/2007 1548	OPACITY1	27.900%	R: SHUTDOWN/UNIT TRIP C: ID Fan tripped, unit MFT
02/19/2007 1554	OPACITY1	55.000%	R: SHUTDOWN/UNIT TRIP C: ID Fan tripped, unit MFT
02/19/2007 1600	OPACITY1	80.600%	R: SHUTDOWN/UNIT TRIP C: ID Fan tripped, unit MFT
02/19/2007 1606	OPACITY1	76.600%	R: SHUTDOWN/UNIT TRIP C: ID Fan tripped, unit MFT
02/19/2007 1612	OPACITY1	37.400%	R: SHUTDOWN/UNIT TRIP C: ID Fan tripped, unit MFT
02/21/2007 1430	OPACITY1	28.700%	R: PRECIPITATOR TROUBLE A: NOTIFIED CONTROLS SHOP C: Had a Opacity spike while trying

Q1'07 U1 Opacity CEMS Deviations 2

MARCH

03/19/2007	2348	OPACITY1	32.900%	R: PRECIPITATOR TROUBLE A: NOTIFIED BTO C: Opacity problem due a T/R 1-12 o versparking.
03/25/2007	0312	OPACITY1	32.900%	R: MONITOR SYSTEM TROUBLE A: NOTIFIED BTO C: Since 0306 the opacimeter get s tuck at 32.9% without
03/27/2007	0042	OPACITY1	49.300%	R: MONITOR SYSTEM TROUBLE A: NOTIFIED BTO C: Opacimeter gets stuck at 80.7%, CEMS don't reset
03/27/2007	0048	OPACITY1	80.700%	R: MONITOR SYSTEM TROUBLE C: Opacimeter gets stuck at 80.7%, CEMS don't reset.
03/27/2007	0054	OPACITY1	80.600%	R: MONITOR SYSTEM TROUBLE C: Opacimeter gets at 80.7%, CEMS d on't reset.

Q1'07 U1 Non-Opacity CEMS Deviations

Hourly Excess Emissions Report
AES Puerto Rico
Unit #1

NOx 24 Hour Rolling Average Limits:	57 ppmvd corrected to 7% Oxygen 0.10 lb/mmBtu 246.1 lb/hr
CO 8 Hour Rolling Average Limits:	94 ppmvd corrected to 7% Oxygen 0.10 lb/mmBtu 246.1 lb/hr
SO2 3 Hour Rolling Average Limits:	9.00 ppmvd corrected to 7% Oxygen 0.022 lb/mmBtu 54.1 lb/hr

Reporting Period
01/01/2007 - 03/30/2007

Date	Time	ID	Value		Reason / Action / Comment
01/27/2007	1400	CO1_8HR	96	ppmvd	R: C: shutdown
02/19/2007	1600	CO1_8HR	109	ppmvd	R: SHUTDOWN/UNIT TRIP C: ID Fan tripped, unit MFT
02/19/2007	1600	CO1_8HR_RT	0.12	lb/mmBtu	R: SHUTDOWN/UNIT TRIP C: ID Fan tripped, unit MFT
02/19/2007	1700	CO1_8HR	121	ppmvd	R: SHUTDOWN/UNIT TRIP C: ID Fan tripped, unit MFT
02/19/2007	1700	CO1_8HR_RT	0.13	lb/mmBtu	R: SHUTDOWN/UNIT TRIP C: ID Fan tripped, unit MFT
02/19/2007	1800	CO1_8HR	124	ppmvd	R: SHUTDOWN/UNIT TRIP C: ID Fan tripped, unit MFT
02/19/2007	1800	CO1_8HR_RT	0.13	lb/mmBtu	R: SHUTDOWN/UNIT TRIP C: ID Fan tripped, unit MFT
02/19/2007	1900	CO1_8HR	125	ppmvd	R: SHUTDOWN/UNIT TRIP C: ID Fan tripped, unit MFT
02/19/2007	1900	CO1_8HR_RT	0.13	lb/mmBtu	R: SHUTDOWN/UNIT TRIP C: ID Fan tripped, unit MFT
02/19/2007	2000	CO1_8HR	123	ppmvd	R: PRECIPITATOR TROUBLE C: ID Fan tripped, unit MFT
02/19/2007	2000	CO1_8HR_RT	0.13	lb/mmBtu	R: PRECIPITATOR TROUBLE C: ID Fan tripped, unit MFT
02/19/2007	2100	CO1_8HR	121	ppmvd	R: SHUTDOWN/UNIT TRIP A: NOTIFIED BTO
02/19/2007	2100	CO1_8HR_RT	0.13	lb/mmBtu	R: SHUTDOWN/UNIT TRIP C: ID Fan tripped, unit MFT
02/19/2007	2200	CO1_8HR	118	ppmvd	R: SHUTDOWN/UNIT TRIP

Q1'07 U1 Non-Opacity CEMS Deviations

					C: ID Fan tripped, unit MFT
02/19/2007 2200	CO1_8HR_RT	0.13	lb/mmBtu	R:	SHUTDOWN/UNIT TRIP
					C: ID Fan tripped, unit MFT
02/19/2007 2300	CO1_8HR	114	ppmvd	R:	SHUTDOWN/UNIT TRIP
					C: ID Fan tripped, unit MFT
02/19/2007 2300	CO1_8HR_RT	0.12	lb/mmBtu	R:	SHUTDOWN/UNIT TRIP
					C: ID Fan tripped, unit MFT

AES
Puerto Rico

Excess Emissions and Malfunctions –

Unit 2

March Opacity Exceedances U2

==========

Opacity Excess Emissions Report
AES Puerto Rico
Unit #2

==========

Opacity Excess Emission Limit: 20.0 %

Today's Date: 04/12/2007
Time: 09:21:26

Reporting Period
03/01/2007 - 03/31/2007

Date	Time	ID	Value	Reason / Action / Comment
03/05/2007	0948	OPACITY2	27.500%	R: PRECIPITATOR TROUBLE C: opacity due to trying to close p recipitator door.597\]//'\01

==========

Q1'07 U2 Opacity CEMS Deviations 2

Opacity Excess Emissions Report
AES Puerto Rico
Unit #2

Opacity Excess Emission Limit: 20.0 %

Reporting Period
01/01/2007 - 03/31/2007

Date	Time	ID	Value	Reason / Action / Comment
01/05/2007	1236	OPACITY2	28.100%	C:
01/05/2007	1242	OPACITY2	30.000%	C:
01/12/2007	0542	OPACITY2	23.100%	R: LOADSWING C: coal composition chg
01/12/2007	1018	OPACITY2	29.300%	R: LOADSWING C: coal composition chg
01/12/2007	1054	OPACITY2	27.300%	R: LOADSWING C: coal composition chg
01/12/2007	1112	OPACITY2	22.000%	R: LOADSWING C: coal composition chg
01/12/2007	1124	OPACITY2	23.900%	R: LOADSWING C: coal composition chg
01/12/2007	1136	OPACITY2	20.600%	R: LOADSWING C: coal comp chg
01/12/2007	1142	OPACITY2	25.000%	R: LOADSWING C: coal comp chg
01/12/2007	1224	OPACITY2	24.500%	R: LOADSWING C: coal comp chg
01/12/2007	1230	OPACITY2	21.300%	R: LOADSWING C: coal comp chg
01/12/2007	1242	OPACITY2	21.200%	R: LOADSWING C: coal comp chg
01/12/2007	1248	OPACITY2	32.600%	R: LOADSWING C: coal comp chg
01/12/2007	1300	OPACITY2	28.000%	R: LOADSWING C: coal comp chg
01/12/2007	1312	OPACITY2	24.000%	R: LOADSWING C: coal comp chg
01/12/2007	1318	OPACITY2	22.200%	R: LOADSWING C: coal comp chg
01/12/2007	1324	OPACITY2	33.400%	R: LOADSWING C: coal comp chg

Q1'07 U2 Opacity CEMS Deviations 2

01/12/2007	1330	OPACITY2	37.600%	R: LOADSWING C: coal comp chg
01/12/2007	1336	OPACITY2	49.000%	R: LOADSWING C: coal comp chg
01/12/2007	1354	OPACITY2	30.100%	R: LOADSWING C: coal comp chg
01/12/2007	1400	OPACITY2	39.200%	R: LOADSWING C: coal comp chg
01/12/2007	1448	OPACITY2	27.400%	R: LOADSWING C: coal comp chg
01/12/2007	1454	OPACITY2	35.200%	R: LOADSWING C: coal comp chg
01/12/2007	1500	OPACITY2	30.600%	R: LOADSWING C: coal comp chg
01/12/2007	1524	OPACITY2	20.200%	R: LOADSWING A: NOTIFIED BTO C: coal comp chg
01/12/2007	1530	OPACITY2	26.300%	R: LOADSWING C: coal comp chg
01/12/2007	1536	OPACITY2	46.300%	R: LOADSWING
01/12/2007	1542	OPACITY2	22.900%	R: LOADSWING C: coal comp chg
01/12/2007	1548	OPACITY2	24.900%	R: LOADSWING C: coal comp chg
01/12/2007	1612	OPACITY2	20.200%	R: LOADSWING C: problems with the coal compositi on
01/12/2007	1624	OPACITY2	23.400%	R: LOADSWING A: REDUCE LOAD C: Problems with the coal compositi on
01/12/2007	1630	OPACITY2	22.900%	R: LOADSWING A: REDUCE LOAD C: coal composition change
01/12/2007	1636	OPACITY2	22.300%	R: LOADSWING C: coal composition changed
01/12/2007	1642	OPACITY2	23.000%	R: LOADSWING C: coal composition changed
01/12/2007	1648	OPACITY2	38.200%	R: LOADSWING C: coal composition changed
01/12/2007	1706	OPACITY2	26.200%	R: LOADSWING C: coal compositon changed

Q1'07 U2 Opacity CEMS Deviations 2

01/12/2007	1718	OPACITY2	32.100%	R: LOADSWING C: coal composition changed
01/12/2007	1736	OPACITY2	22.000%	R: LOADSWING C: coal composition changed
01/13/2007	1154	OPACITY2	28.100%	R: PRECIPITATOR TROUBLE C: coal composition change
01/13/2007	1206	OPACITY2	24.700%	R: PRECIPITATOR TROUBLE C: coal composition change
01/13/2007	1212	OPACITY2	21.100%	R: PRECIPITATOR TROUBLE C: coal composition change
01/13/2007	1254	OPACITY2	23.000%	R: PRECIPITATOR TROUBLE C: coal composition change
01/13/2007	1324	OPACITY2	30.100%	R: PRECIPITATOR TROUBLE C: coal composition change
01/13/2007	2336	OPACITY2	28.800%	R: LOADSWING C: coal composition change
01/14/2007	0012	OPACITY2	29.400%	R: LOADSWING C: coal composition change
01/14/2007	0018	OPACITY2	34.400%	R: LOADSWING C: coal composition change
01/14/2007	0212	OPACITY2	20.500%	R: PRECIPITATOR TROUBLE C: Problem with the coal new charac teristics
01/14/2007	0224	OPACITY2	23.800%	R: PRECIPITATOR TROUBLE C: Problems with the coal new chara cteristics
01/14/2007	0236	OPACITY2	24.300%	R: PRECIPITATOR TROUBLE C: Problems with the coal new chara cteristics
01/14/2007	0248	OPACITY2	20.600%	R: PRECIPITATOR TROUBLE C: Problems with the coal new chara cteristics
01/14/2007	0254	OPACITY2	27.300%	R: PRECIPITATOR TROUBLE C: Problems with the coal new chara
01/14/2007	0348	OPACITY2	24.300%	R: PRECIPITATOR TROUBLE C: Problems with the coal new chara cteristics
01/14/2007	0406	OPACITY2	26.400%	R: PRECIPITATOR TROUBLE C: Problems with the coal new chara cteristics
01/14/2007	0442	OPACITY2	26.400%	R: PRECIPITATOR TROUBLE C: Problems with the new coal chara cteristics
01/14/2007	0448	OPACITY2	35.200%	R: PRECIPITATOR TROUBLE C: Problems with the new coal chara cteristics

Q1'07 U2 Opacity CEMS Deviations 2

01/14/2007	0454	OPACITY2	22.700%	R: PRECIPITATOR TROUBLE C: Problems with the new coal chara cteristics
01/14/2007	0754	OPACITY2	23.600%	C:
01/14/2007	0906	OPACITY2	23.100%	C:
01/14/2007	0954	OPACITY2	20.900%	C:
01/14/2007	1030	OPACITY2	21.100%	C:
01/14/2007	1048	OPACITY2	20.400%	C:
01/14/2007	1100	OPACITY2	33.800%	C:
01/14/2007	1106	OPACITY2	43.600%	C:
01/14/2007	1118	OPACITY2	25.800%	C:
01/14/2007	1124	OPACITY2	20.400%	C:
01/14/2007	1130	OPACITY2	33.500%	C:
01/14/2007	1136	OPACITY2	25.700%	C:
01/14/2007	1142	OPACITY2	29.100%	C:
01/14/2007	1148	OPACITY2	22.000%	C:
01/14/2007	1724	OPACITY2	24.600%	R: PRECIPITATOR TROUBLE C: Problems with the new coal chara cteristics
01/14/2007	1730	OPACITY2	24.100%	R: PRECIPITATOR TROUBLE C: Problems with the new coal chara cteristics
01/14/2007	1842	OPACITY2	20.400%	R: PRECIPITATOR TROUBLE C: Problems with the new coal chara cteristics
01/14/2007	1854	OPACITY2	39.900%	R: PRECIPITATOR TROUBLE C: Problems with the new coal chara cteristics
01/14/2007	1900	OPACITY2	33.100%	R: PRECIPITATOR TROUBLE C: Problems with the new coal chara cteristics

Q1'07 U2 Opacity CEMS Deviations 2

01/14/2007	2100	OPACITY2	41.200%	R: PRECIPITATOR TROUBLE C: Problems with the new coal chara cteristics
01/14/2007	2106	OPACITY2	43.800%	R: PRECIPITATOR TROUBLE C: Problems with the new coal chara cteristics
01/14/2007	2142	OPACITY2	21.400%	R: PRECIPITATOR TROUBLE C: Problems with the new coal chara cteristics
01/14/2007	2148	OPACITY2	28.900%	R: PRECIPITATOR TROUBLE C: Problems with the new coal chara cteristics
01/14/2007	2218	OPACITY2	36.700%	R: PRECIPITATOR TROUBLE C: Problems with the new coal chara cteristics
01/14/2007	2224	OPACITY2	56.800%	R: PRECIPITATOR TROUBLE C: Problems with the new coal chara cteristics
01/14/2007	2230	OPACITY2	28.200%	R: PRECIPITATOR TROUBLE A: NOTIFIED CONTROLS SHOP C: Problems with the new coal chara cteristics
01/14/2007	2242	OPACITY2	34.100%	R: PRECIPITATOR TROUBLE C: Problems with the new coal chara cteristics
01/14/2007	2248	OPACITY2	21.200%	R: PRECIPITATOR TROUBLE C: Problems with the new coal chara cteristics
01/15/2007	0512	OPACITY2	52.300%	R: COALFEEDER/MILL TROUBLE A: NOTIFIED BTO C: Problems with the coal new compo sition
01/15/2007	0518	OPACITY2	28.400%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition
01/15/2007	0536	OPACITY2	26.600%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition
01/15/2007	0642	OPACITY2	34.300%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition
01/15/2007	0648	OPACITY2	29.600%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition
01/15/2007	0724	OPACITY2	22.800%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition
01/15/2007	0730	OPACITY2	22.500%	R: COALFEEDER/MILL TROUBLE

			C: Problems with the coal new compo sition
01/15/2007 0948	OPACITY2	37.300%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition
01/15/2007 1212	OPACITY2	24.400%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition
01/15/2007 1218	OPACITY2	26.100%	R: COALFEEDER/MILL TROUBLE C: Problems with the coal new compo sition
01/15/2007 1306	OPACITY2	36.000%	R: PRECIPITATOR TROUBLE C: Problems with the coal new compo sition
01/15/2007 1312	OPACITY2	48.200%	R: PRECIPITATOR TROUBLE C: Problems with the coal new compo sition
01/15/2007 1318	OPACITY2	45.100%	R: PRECIPITATOR TROUBLE C: Problems with the coal new compo sition
01/15/2007 1336	OPACITY2	20.300%	R: PRECIPITATOR TROUBLE C: Problems with the coal new compo sition
01/15/2007 1348	OPACITY2	20.700%	R: PRECIPITATOR TROUBLE C: Problems with the coal new compo C: Problems with the coal new compo sition
01/15/2007 1354	OPACITY2	20.400%	R: PRECIPITATOR TROUBLE C: Problems with the coal new compo sition
01/15/2007 1400	OPACITY2	28.400%	R: PRECIPITATOR TROUBLE A: NOTIFIED BTO C: Problems with the coal new compo sition
01/15/2007 1830	OPACITY2	23.000%	R: PRECIPITATOR TROUBLE C: new coal composition
01/15/2007 1836	OPACITY2	27.900%	R: PRECIPITATOR TROUBLE C: new coal composition
01/15/2007 1842	OPACITY2	28.800%	R: PRECIPITATOR TROUBLE C: problems with coal composition
01/15/2007 1848	OPACITY2	33.100%	R: PRECIPITATOR TROUBLE C: problems with new coal compositi on
01/15/2007 1854	OPACITY2	35.500%	R: PRECIPITATOR TROUBLE C: problems with new coal compositi on
01/15/2007 1900	OPACITY2	37.800%	R: PRECIPITATOR TROUBLE C: problems with new coal compositi

Q1'07 U2 Opacity CEMS Deviations 2

				on
01/15/2007	1906	OPACITY2	39.600%	R: MONITOR SYSTEM TROUBLE C: opacity monitor malfuntion
01/15/2007	1912	OPACITY2	40.600%	R: MONITOR SYSTEM TROUBLE C: opacity monitor malfuntion
01/16/2007	0406	OPACITY2	27.800%	C:
01/16/2007	0424	OPACITY2	23.100%	C:
01/16/2007	0430	OPACITY2	23.100%	C:
01/16/2007	0436	OPACITY2	22.900%	C:
01/16/2007	0442	OPACITY2	22.900%	C:
01/16/2007	0448	OPACITY2	23.400%	C:
01/16/2007	0454	OPACITY2	20.700%	C:
01/16/2007	0506	OPACITY2	21.600%	C:
01/16/2007	0512	OPACITY2	20.500%	C:
01/17/2007	1024	OPACITY2	21.000%	R: PRECIPITATOR TROUBLE C: coal composition with different characteristic
01/20/2007	1048	OPACITY2	20.300%	C:
01/21/2007	0748	OPACITY2	20.100%	C:
01/23/2007	1636	OPACITY2	38.800%	R: PRECIPITATOR TROUBLE A: NOTIFIED BTO C: ESP TR 12 failure
01/25/2007	0742	OPACITY2	68.000%	R: PRECIPITATOR TROUBLE C: TR 12 TRIPPED
01/26/2007	0136	OPACITY2	51.700%	R: PRECIPITATOR TROUBLE C: ESP TR 12 TRIPPED
01/26/2007	1300	OPACITY2	28.400%	C:
01/27/2007	0442	OPACITY2	32.000%	R: PRECIPITATOR TROUBLE A: NOTIFIED BTO C: TR 12 trying to repair (Replace module by Gustavo Acosta).
02/05/2007	0206	OPACITY2	39.200%	R: SHUTDOWN/UNIT TRIP C: Planned Short Outage - Tube Leak Corrective Maintenancee
02/05/2007	0212	OPACITY2	78.700%	R: SHUTDOWN/UNIT TRIP C:
02/05/2007	0218	OPACITY2	71.400%	R: SHUTDOWN/UNIT TRIP C:

Q1'07 U2 Opacity CEMS Deviations 2

02/05/2007	0230	OPACITY2	23.600%	R: SHUTDOWN/UNIT TRIP C:
02/05/2007	0618	OPACITY2	42.200%	R: SHUTDOWN/UNIT TRIP C:
02/05/2007	0624	OPACITY2	58.200%	R: SHUTDOWN/UNIT TRIP C:
02/05/2007	0630	OPACITY2	72.400%	R: SHUTDOWN/UNIT TRIP C:
02/05/2007	0636	OPACITY2	70.600%	R: SHUTDOWN/UNIT TRIP C:
02/05/2007	0642	OPACITY2	29.400%	R: SHUTDOWN/UNIT TRIP C:
02/05/2007	0712	OPACITY2	24.700%	R: SHUTDOWN/UNIT TRIP
02/05/2007	0718	OPACITY2	23.600%	R: SHUTDOWN/UNIT TRIP C:
02/05/2007	0724	OPACITY2	21.900%	R: SHUTDOWN/UNIT TRIP C:
02/05/2007	0730	OPACITY2	27.500%	R: SHUTDOWN/UNIT TRIP C: Planned Outage - Tube Leak Corre ctive Maintenance
02/10/2007	0906	OPACITY2	44.900%	R: PRECIPITATOR TROUBLE C: Start up
02/10/2007	0924	OPACITY2	29.600%	R: PRECIPITATOR TROUBLE C: Start up
02/10/2007	1742	OPACITY2	27.200%	R: PRECIPITATOR TROUBLE C: startup
02/10/2007	1918	OPACITY2	20.600%	R: PRECIPITATOR TROUBLE C: startup
02/10/2007	1942	OPACITY2	21.900%	R: PRECIPITATOR TROUBLE C: startup
02/10/2007	1948	OPACITY2	24.900%	R: PRECIPITATOR TROUBLE C: startup
02/10/2007	1954	OPACITY2	23.300%	R: PRECIPITATOR TROUBLE C: startup
02/10/2007	2006	OPACITY2	21.900%	R: PRECIPITATOR TROUBLE C: startupstartup
02/10/2007	2012	OPACITY2	20.800%	R: PRECIPITATOR TROUBLE C: startup
02/10/2007	2254	OPACITY2	44.300%	R: PRECIPITATOR TROUBLE C: startup
02/10/2007	2300	OPACITY2	64.200%	R: PRECIPITATOR TROUBLE C: startup

Q1'07 U2 Opacity CEMS Deviations 2

02/10/2007	2306	OPACITY2	59.600%	R: PRECIPITATOR TROUBLE C: startup
02/11/2007	0318	OPACITY2	29.200%	R: PRECIPITATOR TROUBLE C: startup
02/11/2007	0324	OPACITY2	21.700%	R: PRECIPITATOR TROUBLE A: NOTIFIED CONTROLS SHOP C: start up
02/11/2007	1048	OPACITY2	22.700%	R: STARTUP C: ESP TROUBLE
02/11/2007	1054	OPACITY2	21.200%	R: STARTUP A: NOTIFIED BTO C: ESP trouble
02/11/2007	1930	OPACITY2	23.600%	R: PRECIPITATOR TROUBLE C: Opacity Meter Problem
02/11/2007	1936	OPACITY2	24.900%	R: FLYASH SYSTEM TROUBLE C: New Coal Composition Results
02/11/2007	1942	OPACITY2	24.800%	R: FLYASH SYSTEM TROUBLE C: New Coal Composition Results
02/11/2007	1948	OPACITY2	26.200%	R: FLYASH SYSTEM TROUBLE C: New Coal Composition Results
02/11/2007	1954	OPACITY2	20.400%	R: FLYASH SYSTEM TROUBLE C: New Coal Composition Results
02/11/2007	2142	OPACITY2	22.200%	R: PRECIPITATOR TROUBLE C: New Coal Composition Results
02/11/2007	2148	OPACITY2	22.100%	R: PRECIPITATOR TROUBLE C: New Coal Composition Results
02/11/2007	2154	OPACITY2	21.400%	R: PRECIPITATOR TROUBLE C: New Coal Composition Results
02/11/2007	2206	OPACITY2	23.100%	R: PRECIPITATOR TROUBLE C: New Coal Composition Results
02/11/2007	2212	OPACITY2	22.000%	R: PRECIPITATOR TROUBLE C: New Coal Composition Results
02/11/2007	2218	OPACITY2	20.500%	R: PRECIPITATOR TROUBLE C: New Coal Composition Results
02/12/2007	0142	OPACITY2	26.100%	R: PRECIPITATOR TROUBLE C: New Coal Composition results.
02/12/2007	0148	OPACITY2	25.900%	R: PRECIPITATOR TROUBLE C: New Coal Composition results.
02/12/2007	0154	OPACITY2	23.100%	R: PRECIPITATOR TROUBLE C: New Coal Composition results.
02/12/2007	1248	OPACITY2	23.200%	R: PRECIPITATOR TROUBLE C: switching rappers to double-rap
02/22/2007	0742	OPACITY2	20.700%	R: PRECIPITATOR TROUBLE C: new coal composition problems

Q1'07 U2 Opacity CEMS Deviations 2

03/05/2007 0948	OPACITY2	27.500%	R: PRECIPITATOR TROUBLE C: opacity due to trying to close p recipitator door.597\]//'\01

Q1'07 U2 Non-Opacity CEMS Deviations
Hourly Excess Emissions Report
AES Puerto Rico
Unit #2

NOx 24 Hour Rolling Average Limits:	57 ppmvd corrected to 7% Oxygen 0.10 lb/mmBtu 246.1 lb/hr
CO 8 Hour Rolling Average Limits:	94 ppmvd corrected to 7% Oxygen 0.10 lb/mmBtu 246.1 lb/hr
SO2 3 Hour Rolling Average Limits:	9.00 ppmvd corrected to 7% Oxygen 0.022 lb/mmBtu 54.1 lb/hr

Reporting Period
01/01/2007 - 03/31/2007

Date	Time	ID	Value	Reason / Action / Comment

AES
Puerto Rico

Monitoring System Performance
Monitor Downtime

Unit 1

Q1'07 U1 Monitor Downtime Opacity

Monitor Downtime Report
AES Puerto Rico
Unit #1
OPACITY

Report for 01/01/2007 to 03/31/2007

1. Monitor Availability

Reasons for Missing or Unacceptable Data	Downtime (minutes)	% Downtime to Operating Time
a. Monitor Malfunctions	0	0.00
b. Non-Monitor Equipment Malfunctions	0	0.00
c. Quality Assurance	156	0.12
d. Other Known Causes	24	0.02
e. Unknown Causes	0	0.00
Total CMS Downtime	180	0.14

Total Online Operating Time in Minutes	127884
[Total CMS Downtime] x 100 / [Total source operating time]. (%)	0.14

B. Excess Emissions Summary

1. Number of 6 Minute Averages	21314
2. Number of 6 Minute Averages in Excess of Limit	124

3. Reasons for Excess Emissions Based on 6 Minute Rolling Average	Duration (Minutes)	% E.E. Time To Operating Time
I. Startup / Shutdown	42	0.03
II. Control Equipment Malfunction	0	0.00
III. Process Malfunction	0	0.00
IV. Unknown Causes	0	0.00
V. Other Known Causes	702	0.55
TOTAL	744	

Total Monitored Facility Operating Minutes	127704
Total duration of excess emissions x 100 / [Total source operating time]. (%)	0.58

Monitor Span Exceedance Summary for OPACITY

Instrument Span: 80
Span Range Exceedances

DATE	TIME
02/19/2007	15:54
03/27/2007	0:42
03/27/2007	0:48

Q1'07 U1 Monitor Downtime CO

Monitor Downtime Report
AES Puerto Rico
Unit #1
CO

Report for 01/01/2007 to 03/31/2007

1. Monitor Availability

Reasons for Missing or Unacceptable Data	Downtime (hours)	% Downtime to Operating Time
a. Monitor Malfunctions	0.00	0.00
b. Non-Monitor Equipment Malfunctions	0.00	0.00
c. Quality Assurance	0.00	0.00
d. Other Known Causes	0.00	0.00
e. Unknown Causes	0.00	0.00
Total CMS Downtime	0.00	0.00

Total Online Operating Hours	2102.50
[Total CMS Downtime] x 100 / [Total source operating time]. (%)	0.00

2. Excess Emissions

Reasons for Missing Excess Emission	Duration of Time (hours)	% Excess Emission to Operating Time
a. Startup / Shutdown	7.00	0.33
b. Control Equipment Malfunction	0.00	0.00
c. Process Problems	0.00	0.00
d. Other Known Causes	2.00	0.10
e. Unknown Causes	0.00	0.00
Total duration of excess emission	9.00	0.43

Total Monitored Operating Hours in Period	2102.50
Total duration of excess emissions x 100 / [Total source operating time]. (%)	0.43

Monitor Span Exceedance Summary for CO

Instrument Span: 1000

The instrument did not exceed its low range during the reporting period.

The instrument did not exceed its span during the reporting period.

Changes since last quarter in CMS, process or controls for CO: None

Q1'07 U1 Monitor Downtime SOx

==========

Monitor Downtime Report
AES Puerto Rico
Unit #1
SO2

==========

Report for 01/01/2007 to 03/31/2007

==========

1. Monitor Availability

Reasons for Missing or Unacceptable Data	Downtime (hours)	% Downtime to Operating Time
a. Monitor Malfunctions	0.00	0.00
b. Non-Monitor Equipment Malfunctions	0.00	0.00
c. Quality Assurance	0.00	0.00
d. Other Known Causes	0.00	0.00
e. Unknown Causes	0.25	0.01
Total CMS Downtime	0.25	0.01

Total Online Operating Hours	2102.50
[Total CMS Downtime] x 100 / [Total source operating time]. (%)	0.01

2. Excess Emissions

Reasons for Missing Excess Emission	Duration of Time (hours)	% Excess Emission to Operating Time
a. Startup / Shutdown	0.00	0.00
b. Control Equipment Malfunction	0.00	0.00
c. Process Problems	0.00	0.00
d. Other Known Causes	0.00	0.00
e. Unknown Causes	0.00	0.00
Total duration of excess emission	0.00	0.00

Total Monitored Operating Hours in Period	2102.25
Total duration of excess emissions x 100 / [Total source operating time]. (%)	0.00

Monitor Span Exceedance Summary for SO2
Instrument Span: 50

Low Range Exceedances
Instrument Low Range: 20

DATE	HOUR
01/30/2007	10
01/30/2007	11

The instrument did not exceed its span during the reporting period.

Q1'07 U1 Monitor Downtime SOx

Changes since last quarter in CMS, process or controls for SO2: None

Q1'07 U1 Monitor Downtime Flo

Monitor Downtime Report
AES Puerto Rico
Unit #1
FLO

Report for 01/01/2007 to 03/31/2007

1. Monitor Availability

Reasons for Missing or Unacceptable Data	Downtime (hours)	% Downtime to Operating Time
a. Monitor Malfunctions	0.00	0.00
b. Non-Monitor Equipment Malfunctions	0.00	0.00
c. Quality Assurance	0.00	0.00
d. Other Known Causes	0.00	0.00
e. Unknown Causes	0.00	0.00
Total CMS Downtime	0.00	0.00

Total Online Operating Hours	2102.50
[Total CMS Downtime] x 100 / [Total source operating time]. (%)	0.00

2. Excess Emissions

Reasons for Missing Excess Emission	Duration of Time (hours)	% Excess Emission to Operating Time
a. Startup / Shutdown	0.00	0.00
b. Control Equipment Malfunction	0.00	0.00
c. Process Problems	0.00	0.00
d. Other Known Causes	0.00	0.00
e. Unknown Causes	0.00	0.00
Total duration of excess emission	0.00	0.00

Total Monitored Operating Hours in Period	2102.50
Total duration of excess emissions x 100 / [Total source operating time]. (%)	0.00

Monitor Span Exceedance Summary for FLO

Instrument Span: 1075

The instrument did not exceed its span during the reporting period.

Changes since last quarter in CMS, process or controls for FLO: None

Q1'07 U1 Monitor Downtime NOx

==========

Monitor Downtime Report
AES Puerto Rico
Unit #1
NOX

==========

Report for 01/01/2007 to 03/31/2007

==========

1. Monitor Availability

Reasons for Missing or Unacceptable Data	Downtime (hours)	% Downtime to Operating Time
a. Monitor Malfunctions	0.00	0.00
b. Non-Monitor Equipment Malfunctions	0.00	0.00
c. Quality Assurance	0.00	0.00
d. Other Known Causes	0.00	0.00
e. Unknown Causes	0.25	0.01
Total CMS Downtime	0.25	0.01

Total Online Operating Hours	2102.50
[Total CMS Downtime] x 100 / [Total source operating time]. (%)	0.01

2. Excess Emissions

Reasons for Missing Excess Emission	Duration of Time (hours)	% Excess Emission to Operating Time
a. Startup / Shutdown	0.00	0.00
b. Control Equipment Malfunction	0.00	0.00
c. Process Problems	0.00	0.00
d. Other Known Causes	0.00	0.00
e. Unknown Causes	0.00	0.00
Total duration of excess emission	0.00	0.00

Total Monitored Operating Hours in Period	2102.25
Total duration of excess emissions x 100 / [Total source operating time]. (%)	0.00

Monitor Span Exceedance Summary for NOX

Instrument Span: 200

The instrument did not exceed its low range during the reporting period.

The instrument did not exceed its span during the reporting period.

Changes since last quarter in CMS, process or controls for NOX: None MA

AES
Puerto Rico

Monitoring System Performance
Monitor Downtime

Unit 2

Q1'07 U2 Monitor Downtime Opacity

Monitor Downtime Report
AES Puerto Rico
Unit #2
OPACITY

Report for 01/01/2007 to 03/31/2007

1. Monitor Availability

Reasons for Missing or Unacceptable Data	Downtime (minutes)	% Downtime to Operating Time
a. Monitor Malfunctions	0	0.00
b. Non-Monitor Equipment Malfunctions	0	0.00
c. Quality Assurance	618	0.50
d. Other Known Causes	60	0.05
e. Unknown Causes	0	0.00
Total CMS Downtime	678	0.55

Total Online Operating Time in Minutes	123060
[Total CMS Downtime] x 100 / [Total source operating time]. (%)	0.55

B. Excess Emissions Summary

1. Number of 6 Minute Averages	20510
2. Number of 6 Minute Averages in Excess of Limit	175

3. Reasons for Excess Emissions Based on 6 Minute Rolling Average	Duration (Minutes)	% E.E. Time To Operating Time
I. Startup / Shutdown	90	0.07
II. Control Equipment Malfunction	0	0.00
III. Process Malfunction	0	0.00
IV. Unknown Causes	0	0.00
V. Other Known Causes	960	0.78
TOTAL	1050	

Total Monitored Facility Operating Minutes	122382
Total duration of excess emissions x 100 / [Total source operating time]. (%)	0.86

Monitor Span Exceedance Summary for OPACITY

Instrument Span: 80

The instrument did not exceed its span during the reporting period.

Changes since last quarter in CMS, process or controls for OPACITY: None

Q1'07 U2 Monitor Downtime CO

Monitor Downtime Report
AES Puerto Rico
Unit #2
CO

Report for 01/01/2007 to 03/31/2007

1. Monitor Availability

Reasons for Missing or Unacceptable Data	Downtime (hours)	% Downtime to Operating Time
a. Monitor Malfunctions	0.00	0.00
b. Non-Monitor Equipment Malfunctions	0.00	0.00
c. Quality Assurance	0.00	0.00
d. Other Known Causes	0.00	0.00
e. Unknown Causes	0.00	0.00
Total CMS Downtime	0.00	0.00

Total Online Operating Hours	2027.00
[Total CMS Downtime] x 100 / [Total source operating time]. (%)	0.00

2. Excess Emissions

Reasons for Missing Excess Emission	Duration of Time (hours)	% Excess Emission to Operating Time
a. Startup / Shutdown	0.00	0.00
b. Control Equipment Malfunction	0.00	0.00
c. Process Problems	0.00	0.00
d. Other Known Causes	0.00	0.00
e. Unknown Causes	0.00	0.00
Total duration of excess emission	0.00	0.00

Total Monitored Operating Hours in Period	2027.00
Total duration of excess emissions x 100 / [Total source operating time]. (%)	0.00

Monitor Span Exceedance Summary for CO

Instrument Span: 1000

The instrument did not exceed its low range during the reporting period.

The instrument did not exceed its span during the reporting period.

Changes since last quarter in CMS, process or controls for CO:None

Q1'07 U2 Monitor Downtime SOx

Monitor Downtime Report
AES Puerto Rico
Unit #2
SO2

Report for 01/01/2007 to 03/31/2007

1. Monitor Availability

Reasons for Missing or Unacceptable Data	Downtime (hours)	% Downtime to Operating Time
a. Monitor Malfunctions	0.00	0.00
b. Non-Monitor Equipment Malfunctions	0.00	0.00
c. Quality Assurance	0.00	0.00
d. Other Known Causes	3.00	0.15
e. Unknown Causes	0.00	0.00
Total CMS Downtime	3.00	0.15

Total Online Operating Hours	2027.00
[Total CMS Downtime] x 100 / [Total source operating time]. (%)	0.15

2. Excess Emissions

Reasons for Missing Excess Emission	Duration of Time (hours)	% Excess Emission to Operating Time
a. Startup / Shutdown	0.00	0.00
b. Control Equipment Malfunction	0.00	0.00
c. Process Problems	0.00	0.00
d. Other Known Causes	0.00	0.00
e. Unknown Causes	0.00	0.00
Total duration of excess emission	0.00	0.00

Total Monitored Operating Hours in Period	2024.00
Total duration of excess emissions x 100 / [Total source operating time]. (%)	0.00

Monitor Span Exceedance Summary for SO2

Instrument Span: 50

The instrument did not exceed its low range during the reporting period.

The instrument did not exceed its span during the reporting period.

Changes since last quarter in CMS, process or controls for SO2: None

Q1'07 U2 Monitor Downtime Flo

Monitor Downtime Report
AES Puerto Rico
Unit #2
FLO

Report for 01/01/2007 to 03/31/2007

1. Monitor Availability

Reasons for Missing or Unacceptable Data	Downtime (hours)	% Downtime to Operating Time
a. Monitor Malfunctions	0.00	0.00
b. Non-Monitor Equipment Malfunctions	0.00	0.00
c. Quality Assurance	0.00	0.00
d. Other Known Causes	0.00	0.00
e. Unknown Causes	0.00	0.00
Total CMS Downtime	0.00	0.00

Total Online Operating Hours	2027.00
[Total CMS Downtime] x 100 / [Total source operating time]. (%)	0.00

2. Excess Emissions

Reasons for Missing Excess Emission	Duration of Time (hours)	% Excess Emission to Operating Time
a. Startup / Shutdown	0.00	0.00
b. Control Equipment Malfunction	0.00	0.00
c. Process Problems	0.00	0.00
d. Other Known Causes	0.00	0.00
e. Unknown Causes	0.00	0.00
Total duration of excess emission	0.00	0.00

Total Monitored Operating Hours in Period	2027.00
Total duration of excess emissions x 100 / [Total source operating time]. (%)	0.00

Monitor Span Exceedance Summary for FLO
Instrument Span: 1075

The instrument did not exceed its span during the reporting period.

Changes since last quarter in CMS, process or controls for FLO: None

Q1'07 U2 Monitor Downtime NOx

==========

Monitor Downtime Report
AES Puerto Rico
Unit #2
NOX

==========

Report for 01/01/2007 to 03/31/2007

==========

1. Monitor Availability

Reasons for Missing or Unacceptable Data	Downtime (hours)	% Downtime to Operating Time
a. Monitor Malfunctions	0.00	0.00
b. Non-Monitor Equipment Malfunctions	0.00	0.00
c. Quality Assurance	0.00	0.00
d. Other Known Causes	3.00	0.15
e. Unknown Causes	0.00	0.00
Total CMS Downtime	3.00	0.15

Total Online Operating Hours	2027.00
[Total CMS Downtime] x 100 / [Total source operating time]. (%)	0.15

2. Excess Emissions

Reasons for Missing Excess Emission	Duration of Time (hours)	% Excess Emission to Operating Time
a. Startup / Shutdown	0.00	0.00
b. Control Equipment Malfunction	0.00	0.00
c. Process Problems	0.00	0.00
d. Other Known Causes	0.00	0.00
e. Unknown Causes	0.00	0.00
Total duration of excess emission	0.00	0.00

Total Monitored Operating Hours in Period	2024.00
Total duration of excess emissions x 100 / [Total source operating time]. (%)	0.00

Monitor Span Exceedance Summary for NOX
Monitor Span Exceedance Summary for NOX

Instrument Span: 200

Low Range Exceedances
Instrument Low Range: 100

DATE	HOUR
02/11/2007	4
02/11/2007	5
02/11/2007	6

Q1'07 U2 Monitor Downtime NOx

02/11/2007 7
02/11/2007 8
02/11/2007 9
02/11/2007 10
02/11/2007 11

The instrument did not exceed its span during the reporting period.

Changes since last quarter in CMS, process or controls for NOX: None.

Untitled

I certify that the information contained in this report is true, accurate, and complete.

Miguel A. Alicea

Name

Miguel A. Alicea

Signature

Title

I/C Technician

AES
Puerto Rico

Daily Excess Emissions Report
30 Days Rolling Average

Unit 1 and Unit 2

Q1'07 U1 30 DAYS NOx Excess Emissions CEMS NOX

==========

30 Day Excess Emissions Report
AES Puerto Rico
Unit #1

==========

Reporting Period
Start: 01/01/2007

End : 03/31/2007

DATE	PARAMETER	30-DAY VALUE

No exceedances were found for this reporting period.

NOx 30 Day Rolling Average Limit is 1.6 lb/mw-hr
Removal 30 Day Rolling Average Limit is 70 %

==========

==========

30 Day Excess Emissions Report
AES Puerto Rico
Unit #2

==========

Reporting Period
Start: 01/01/2007
End : 03/31/2007

DATE	PARAMETER	30-DAY VALUE

No exceedances were found for this reporting period.

NOx 30 Day Rolling Average Limit is 1.6 lb/mw-hr
Removal 30 Day Rolling Average Limit is 70 %

==========

AES
Puerto Rico

Q1'07 Coal Analytical Data
2006 Semi-Annual Analysis Data and
Visible Emissions Readings

Unit 1 and Unit 2

134

INSPECTORATE

INSPECTORATE COLOMBIA LTDA.
Calle 77A No 74-172
Tel 3606487/3532550 Fax 3531364
Barranquilla - Colombia

Certificate Nbr: 01-12268
Our Ref : 4893-1
Slate : 07047

TO : CMC Coal Marketing Company Limited
(AES PUERTO RICO, LP)
CERREJON C/O
CMC COAL MARKETING COMPANY LTD.

VESSEL	: SOPHIE OLDENDORFF
SHIPPER	: CERREJON C/O CMC COAL MARKETING COMPANY LTD.
CONSIGNEE	: AES PUERTO RICO, LP
PRODUCT	: STEAM COAL IN BULK
SELLER	: CERREJON C/O CMC COAL MARKETING COMPANY LTD.
LOADING PORT	: PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	: LAS MAREAS HARBOR, PUERTO RICO
DATE	: FEBRUARY 11th, 2007
QUANTITY	: 41,566.00 MT

SAMPLING AND ANALYSIS CERTIFICATE

This is to certify that the sampling of this cargo of coal was conducted by INSPECTORATE COLOMBIA LTDA. according to the ASTM standards:

INSPECTORATE COLOMBIA LTDA., certifies that the following analytical results were established by us, at the Laboratory of PUERTO BOLIVAR, COLOMBIA in accordance with the applicable ASTM standards:

CALCULATED COMPOSITE	AS RECEIVED
PROXIMATE ANALYSIS	
Total Moisture, pct. wt.	12.73
Ash, pct. wt.	8.16
Volatile matter, pct. wt	33.35
Fixed carbon, pct. wt	45.76
Sulphur, pct. wt.	0.58
Gross calorific value, Btu/L	11338

RESULTS BASED ON AVERAGE WEIGHTED COMPOSITE SAMPLE

MINERAL ANALYSIS OF ASH, % wt	IGNITED BASIS
Silica, SiO_2	60.72
Alumina, Al_2O_3	20.68
Titania, TiO_2	1.03
Ferric Oxide, Fe_2O_3	7.81
Lime, CaO	2.46
Magnesia, MgO	2.16
Sodium Oxide, Na_2O	0.57
Potassium Oxide, K_2O	2.09
Phos. Pentoxide, P_2O_5	0.22

(130)

INSPECTORATE

INSPECTORATE COLOMBIA LTDA.
Calle 77A No 74-172
Tel 3606487/3532550 Fax 3531364
Barranquilla - Colombia

Certificate Nbr:01-12273
Our Ref :4898-1
Slate :07055

TO : CMC Coal Marketing Company Limited
(AES PUERTO RICO, LP)
CERREJON C/O
CMC COAL MARKETING COMPANY LTD.

VESSEL	: SOPHIE OLDENDORFF
SHIPPER	: CERREJON C/O CMC COAL MARKETING COMPANY LTD.
CONSIGNEE	: AES PUERTO RICO, LP
PRODUCT	: STEAM COAL IN BULK
SELLER	: CERREJON C/O CMC COAL MARKETING COMPANY LTD.
LOADING PORT	: PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	: LAS MAREAS HARBOR, PUERTO RICO
DATE	: FEBRUARY 17th, 2007
QUANTITY	: 41,729.00 MT

SAMPLING AND ANALYSIS CERTIFICATE

This is to certify that the sampling of this cargo of coal was conducted by INSPECTORATE COLOMBIA LTDA. according to the ASTM standards:

INSPECTORATE COLOMBIA LTDA., certifies that the following analytical results were established by us, at the Laboratory of PUERTO BOLIVAR, COLOMBIA in accordance with the applicable ASTM standards:

CALCULATED COMPOSITE

	AS RECEIVED
PROXIMATE ANALYSIS	
Total Moisture, pct. wt.	12.96
Ash, pct. wt.	7.71
Volatile matter, pct. wt	33.40
Fixed carbon, pct. wt	45.93
Sulphur, pct. wt.	0.57
Gross calorific value, Btu/Lb	11319

RESULTS BASED ON AVERAGE WEIGHTED COMPOSITE SAMPLE

MINERAL ANALYSIS OF ASH, % wt	IGNITED BASIS
Silica, SiO_2	60.27
Alumina, Al_2O_3	20.45
Titania, TiO_2	0.96
Ferric Oxide, Fe_2O_3	7.72
Lime, CaO	2.64
Magnesia, MgO	2.12
Sodium Oxide, Na_2O	0.88
Potassium Oxide, K_2O	2.12
Phos. Pentoxide, P_2O_5	0.20

436

INSPECTORATE

INSPECTORATE COLOMBIA LTDA.
Calle 77A No 74-172
Tel 3606487/3532550 Fax 3531364
Barranquilla - Colombia

Certificate Nbr: 01-12332
Our Ref : 4948-1
Slate : 07057

TO : CMC Coal Marketing Company Limited
(AES PUERTO RICO, LP)
CERREJON C/O
CMC COAL MARKETING COMPANY LTD.

VESSEL	: SOPHIE OLDENDORFF
SHIPPER	: CERREJON C/O CMC COAL MARKETING COMPANY LTD.
CONSIGNEE	: AES PUERTO RICO, LP
PRODUCT	: STEAM COAL IN BULK
SELLER	: CERREJON C/O CMC COAL MARKETING COMPANY LTD.
LOADING PORT	: PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	: LAS MAREAS HARBOR, PUERTO RICO
DATE	: FEBRUARY 23rd, 2007
QUANTITY	: 41,811.00 MT

SAMPLING AND ANALYSIS CERTIFICATE

This is to certify that the sampling of this cargo of coal was conducted by INSPECTORATE COLOMBIA LTDA. according to the ASTM standards:

INSPECTORATE COLOMBIA LTDA., certifies that the following analytical results were established by us, at the Laboratory of PUERTO BOLIVAR, COLOMBIA in accordance with the applicable ASTM standards:

CALCULATED COMPOSITE	AS RECEIVED
PROXIMATE ANALYSIS	
Total Moisture, pct. wt.	12.87
Ash, pct. wt.	8.19
Volatile matter, pct. wt	33.04
Fixed carbon, pct. wt	45.90
Sulphur, pct. wt.	0.57
Gross calorific value, Btu/Lb	11304

RESULTS BASED ON AVERAGE WEIGHTED COMPOSITE SAMPLE

MINERAL ANALYSIS OF ASH, % wt	IGNITED BASIS
Silica, SiO_2	60.39
Alumina, Al_2O_3	20.63
Titania, TiO_2	1.08
Ferric Oxide, Fe_2O_3	7.86
Lime, CaO	2.04
Magnesia, MgO	2.06
Sodium Oxide, Na_2O	0.65
Potassium Oxide, K_2O	2.32
Phos. Pentoxide, P_2O_5	0.21

137

INSPECTORATE

INSPECTORATE COLOMBIA LTDA.
Calle 77A No 74-172
Tel 3532550 Fax 3531364
Barranquilla - Colombia

Certificate :01-12404
Our Ref :5009-1
Slate :07088

TO : CMC Coal Marketing Comapny Limited
(AES PUERTO RICO,LP)
CERREJON C/O CMC COAL MARKETING COMPANY LTD.

VESSEL	: SOPHIE OLDENDORFF
SHIPPER	: CERREJON C/O CMC COAL MARKETING COMPANY LTD.
CONSIGNEE	: AES PUERTO RICO, LP
PRODUCT	: STEAM COAL IN BULK
SELLER	: CERREJON C/O CMC COAL MARKETING COMPANY LTD.
LOADING PORT	: PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	: LAS MAREAS HARBOR, PUERTO RICO
DATE	: MARCH 19th - 20th, 2007
QUANTITY	: 41,865.00 MT

SAMPLING AND ANALYSIS CERTIFICATE

This is to certify that the sampling of this cargo of coal was conducted by INSPECTORATE COLOMBIA LTDA. according to the ASTM standards:

INSPECTORATE COLOMBIA LTDA., certifies that the following analytical results were established by us, at the Laboratory of PUERTO BOLIVAR, COLOMBIA in accordance with the applicable ASTM standards:

CALCULATED COMPOSITE	AS RECEIVED
PROXIMATE ANALYSIS	
Total Moisture, pct. wt.	11.43
Ash, pct. wt.	9.59
Volatile matter, pct. wt	33.54
Fixed carbon, pct. wt	45.44
Sulphur, pct. wt.	0.64
Gross calorific value,Btu/Lb	11324

RESULTS BASED ON AVERAGE WEIGHTED COMPOSITE SAMPLE

MINERAL ANALYSIS OF ASH,% wt	IGNITED BASIS
Silica, SiO2	60.28
Alumina,Al2O3	20.42
Titania,TiO2	0.98
Ferric Oxide,Fe2O3	8.02
Lime, CaO	2.07
Magnesia, MgO	2.24
Sodium Oxide,Na2O	0.77
Potassium Oxide, K2O	2.11
Phos. Pentoxide, P2O5	0.22

INSPECTORATE

136

INSPECTORATE COLOMBIA LTDA.
Calle 77A No 74-172
Tel 3532550 Fax 3531364
Barranquilla - Colombia

Certificate :01-12446
Our Ref :5043-1
Slate :07097

TO : CMC Coal Marketing Company Limited
(AES PUERTO RICO, LP)
CERREJON C/O CMC COAL MARKETING COMPANY LTD.

VESSEL	: SOPHIE OLDENDORFF
SHIPPER	: CERREJON C/O CMC COAL MARKETING COMPANY LTD.
CONSIGNEE	: AES PUERTO RICO, LP
PRODUCT	: STEAM COAL IN BULK
SELLER	: CERREJON C/O CMC COAL MARKETING COMPANY LTD.
LOADING PORT	: PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	: LAS MAREAS HARBOR, PUERTO RICO
DATE	: MARCH 24th - 25th, 2007
QUANTITY	: 42,025.00 MT

SAMPLING AND ANALYSIS CERTIFICATE

This is to certify that the sampling of this cargo of coal was conducted by INSPECTORATE COLOMBIA LTDA. according to the ASTM standards:

INSPECTORATE COLOMBIA LTDA., certifies that the following analytical results were established by us, at the Laboratory of PUERTO BOLIVAR, COLOMBIA in accordance with the applicable ASTM standards:

CALCULATED COMPOSITE	AS RECEIVED
PROXIMATE ANALYSIS	
Total Moisture, pct. wt.	12.20
Ash, pct. wt.	9.28
Volatile matter, pct. wt	33.00
Fixed carbon, pct. wt	45.52
Sulphur, pct. wt.	0.59
Gross calorific value,Btu/Lb	11260

RESULTS BASED ON AVERAGE WEIGHTED COMPOSITE SAMPLE

MINERAL ANALYSIS OF ASH,% wt	IGNITED BASIS
Silica, SiO_2	60.83
Alumina,Al_2O_3	20.42
Titania,TiO_2	1.05
Ferric Oxide,Fe_2O_3	7.81
Lime, CaO	2.36
Magnesia, MgO	1.58
Sodium Oxide,Na_2O	0.66
Potassium Oxide, K_2O	2.01
Phos. Pentoxide, P_2O_5	0.22

139

INSPECTORATE

INSPECTORATE COLOMBIA LTDA.
Calle 77A No 74-172
Tel 3532550 Fax 3531364
Barranquilla - Colombia

Certificate :01-12454
Our Ref :5051-1
Slate :07101

TO : CMC Coal Marketing Company Limited
(AES PUERTO RICO, LP)
CERREJON C/O CMC COAL MARKETING COMPANY LTD.

VESSEL	: SOPHIE OLDENDORFF
SHIPPER	: CERREJON C/O CMC COAL MARKETING COMPANY LTD.
CONSIGNEE	: AES PUERTO RICO, LP
PRODUCT	: STEAM COAL IN BULK
SELLER	: CERREJON C/O CMC COAL MARKETING COMPANY LTD.
LOADING PORT	: PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	: LAS MAREAS HARBOR, PUERTO RICO
DATE	: MARCH 29th - 30th, 2007
QUANTITY	: 42,216.00 MT

SAMPLING AND ANALYSIS CERTIFICATE

This is to certify that the sampling of this cargo of coal was conducted by INSPECTORATE COLOMBIA LTDA. according to the ASTM standards:

INSPECTORATE COLOMBIA LTDA., certifies that the following analytical results were established by us, at the Laboratory of PUERTO BOLIVAR, COLOMBIA in accordance with the applicable ASTM standards:

CALCULATED COMPOSITE	AS RECEIVED
PROXIMATE ANALYSIS	
Total Moisture, pct. wt.	11.67
Ash, pct. wt.	9.40
Volatile matter, pct. wt	33.47
Fixed carbon, pct. wt	45.46
Sulphur, pct. wt.	0.61
Gross calorific value,Btu/Lb	11373

RESULTS BASED ON AVERAGE WEIGHTED COMPOSITE SAMPLE

MINERAL ANALYSIS OF ASH,% wt	UNITED BASIS
Silica, SiO_2	60.21
Alumina,Al_2O_3	20.36
Titania,TiO_2	1.08
Ferric Oxide,Fe_2O_3	8.24
Lime, CaO	2.39
Magnesia, MgO	2.25
Sodium Oxide,Na_2O	0.54
Potassium Oxide, K_2O	2.03
Phos. Pentoxide, P_2O_5	0.21

SGS

COPY

October 25, 2006

AES-Puerto Rico
PO Box 1890
Guayama, PR 00784
Puerto Rico

Client Sample ID: 1st Semi-annual Comp. 2006
Date Received: 10/09/2006
Matrix: Coal
Net Sample Weight: 2000.00
Sample Type : -8 Mesh Moist

SGS Sample ID: 072-22263-001

	As Received	Dry	MAF
% Moisture, Total	11.71		
% Ash	6.45	7.31	
% Volatile Matter	34.34	38.90	41.97
% Fixed Carbon	47.50	53.79	58.03
Gross Calorific Value (Btu/lb)	11261	12755	13761
% Sulfur	0.75	0.85	
% Carbon	64.04	72.54	
% Hydrogen	4.33	4.90	
% Nitrogen	1.34	1.52	
% Oxygen (Calc)	11.38	12.88	

Analyte	Result
Pounds of Ash/mm Btu	5.73 lb
Pounds of Sulfur/mm Btu	0.67 lb
Pounds of SO2/mm Btu	1.34 lb
Hardgrove Grindability Index	44
HGI Moisture	6.00 %
Reducing - Initial Deformation	2185 °F
Reducing - Softening	2317 °F
Reducing - Hemispherical	2443 °F
Reducing - Fluid	2558 °F
Oxidizing - Initial Deformation	2290 °F
Oxidizing - Softening	2499 °F
Oxidizing - Hemispherical	2530 °F
Oxidizing - Fluid	2643 °F

Respectfully submitted,
SGS NORTH AMERICA INC.

Byron C. Cat

Denver Laboratory

SGS North America Inc. | Minerals Services Division
4665 Paris Street, Suite B-200, Denver, CO 80239 t (303) 373-4772 f (303) 373-4791 www.us.sgs.com/minerals

F-465

Member of the SGS Group

GENERAL CONDITIONS OF SERVICE ON REVERSE

2006

SGS

COPY

October 25, 2006

AES-Puerto Rico
PO Box 1890
Guayama, PR 00784
Puerto Rico

Client Sample ID: 1st Semi-annual Comp. 2006
Date Received: 10/09/2006
Matrix: Coal
Net Sample Weight: 2000.00

Sample Type : -8 Mesh Moist

SGS Sample ID: 072-22263-001

Analyte	Result
Ash Analysis Basis	Ignited
Silicon Dioxide SiO2	57.22 %
Aluminum Oxide Al2O3	21.59 %
Titanium Dioxide TiO2	0.99 %
Iron Oxide Fe2O3	10.83 %
Calcium Oxide CaO	2.94 %
Magnesium Oxide MgO	1.48 %
Potassium Oxide K2O	1.83 %
Sodium Oxide Na2O	1.21 %
Sulfur Trioxide SO3	1.29 %
Phosphorus Pentoxide P2O5	0.20 %
Strontium Oxide SrO	0.10 %
Barium Oxide BaO	0.28 %
Manganese Oxide Mn3O4	0.04 %
Undetermined	0.00 %
Sum	100.00 %
Alkalies	2.42 %
Silica Value	78.96 %
Base:Acid Ratio	0.23 %
T250 Temperature	2681 °F
Type of Ash	Bituminous

Respectfully submitted,
SGS NORTH AMERICA INC.

Byron C. Cat

Denver Laboratory

SGS North America Inc. | Minerals Services Division
4665 Paris Street, Suite B-200 Denver, CO 80239 t (303) 373-4772 f (303) 373-4791 www.us.sgs.com/minerals

F-495

Member of the SGS Group

GENERAL CONDITIONS OF SERVICE ON REVERSE

SGS

COPY

October 25, 2006

AES-Puerto Rico
PO Box 1890
Guayama, PR 00784
Puerto Rico

Client Sample ID: 1st Semi-annual Comp. 2006
Date Received: 10/09/2006
Matrix: Coal
Net Sample Weight: 2000.00

Sample Type : -8 Mesh Moist

SGS Sample ID: 072-22263-001

Analyte	Result
Antimony	1 ug/g
Barium	182 ug/g
Beryllium	0.5 ug/g
Cadmium	0.3 ug/g
Cobalt	3 ug/g
Chromium	10 ug/g
Copper	9 ug/g
Manganese	23 ug/g
Molybdenum	5 ug/g
Nickel	9 ug/g
Lead	3 ug/g
Vanadium	25 ug/g
Zinc	14 ug/g
Chlorine, Dry	<100 ug/g
Fluorine, Dry	47 ug/g
Arsenic	6 ug/g
Selenium	3 ug/g
Mercury	0.09 ug/g

2007 NOV -4 PM 2:47

Respectfully submitted,
SGS NORTH AMERICA INC.

Byron C Cat

Denver Laboratory

SGS North America Inc. | Minerals Services Division
8655 Paris Street Suite B-200, Denver, CO 80239 t [illegible]3-4772 f (303) 373-4791 www.us.sgs.com/minerals

GENERAL CONDITIONS OF SERVICE ON REVERSE

Member of the SGS Group

SGS

January 23, 2007

AES-Puerto Rico
PO Box 1890
Guayama, PR 00784
Puerto Rico

Client Sample ID: 2nd Semi-annual Comp. 2006 **Sample Type :** -8 Mesh Moist
Date Received: 01/04/2007
Matrix: Coal
Net Sample Weight: 5000.00

SGS Sample ID: 072-23884-001

	As Received	Dry	MAF
% Moisture, Total	12.39		
% Ash	6.24	7.12	
% Volatile Matter	34.40	39.27	42.28
% Fixed Carbon	46.97	53.61	57.72
Gross Calorific Value (Btu/lb)	11297	12895	13884
% Sulfur	0.68	0.78	
% Carbon	63.72	72.74	
% Hydrogen	4.27	4.88	
% Nitrogen	1.39	1.58	
% Oxygen (Calc)	11.31	12.90	

Analyte	Result
Pounds of Ash/mm Btu	5.52 lb
Pounds of Sulfur/mm Btu	0.60 lb
Pounds of SO2/mm Btu	1.20 lb
Hardgrove Grindability Index	46
HGI Moisture	5.49 %
Reducing - Initial Deformation	2220 °F
Reducing - Softening	2390 °F
Reducing - Hemispherical	2457 °F
Reducing - Fluid	2526 °F
Oxidizing - Initial Deformation	2433 °F
Oxidizing - Softening	2523 °F
Oxidizing - Hemispherical	2562 °F
Oxidizing - Fluid	2599 °F

Respectfully submitted,
SGS NORTH AMERICA INC.

Byron C. Cat

Denver Laboratory

SGS North America Inc. | Minerals Services Division
4665 Paris Street, Suite B-200, Denver, CO 80239 t (303) 373-4772 f (303) 373-4791 www.us.sgs.com/minerals

F-465
Member of the SGS Group

SGS

January 23, 2007

AES-Puerto Rico
PO Box 1890
Guayama, PR 00784
Puerto Rico

Client Sample ID: 2nd Semi-annual Comp. 2006 **Sample Type :** -8 Mesh Moist
Date Received: 01/04/2007
Matrix: Coal
Net Sample Weight: 5000.00

SGS Sample ID: 072-23884-001

Analyte	Result
Ash Analysis Basis	Ignited
Silicon Dioxide SiO2	57.17 %
Aluminum Oxide Al2O3	21.42 %
Titanium Dioxide TiO2	1.02 %
Iron Oxide Fe2O3	9.30 %
Calcium Oxide CaO	2.88 %
Magnesium Oxide MgO	1.37 %
Potassium Oxide K2O	1.83 %
Sodium Oxide Na2O	1.34 %
Sulfur Trioxide SO3	3.03 %
Phosphorus Pentoxide P2O5	0.22 %
Strontium Oxide SrO	0.10 %
Barium Oxide BaO	0.29 %
Manganese Oxide, Mn3O4	0.03 %
Undetermined	0.00 %
Sum	100.00 %
Alkalies	2.55 %
Silica Value	80.84 %
Base:Acid Ratio	0.21 %
T250 Temperature	2733 °F
Type of Ash	Bituminous

Respectfully submitted,
SGS NORTH AMERICA INC.

Byron C. Cat

Denver Laboratory

SGS North America Inc. | Minerals Services Division
4665 Paris Street, Suite B-200, Denver, CO 80239 t (303) 373-4772 f (303) 373-4791 www.us.sgs.com/minerals

Member of the SGS Group

SGS

January 23, 2007

AES-Puerto Rico
PO Box 1890
Guayama, PR 00784
Puerto Rico

Client Sample ID: 2nd Semi-annual Comp. 2006 **Sample Type :** -8 Mesh Moist
Date Received: 01/04/2007
Matrix: Coal
Net Sample Weight: 5000.00

SGS Sample ID: 072-23884-001

Analyte	Result
Antimony	<1 ug/g
Barium	205 ug/g
Beryllium	0.4 ug/g
Cadmium	0.3 ug/g
Cobalt	2 ug/g
Chromium	9 ug/g
Copper	7 ug/g
Manganese	19 ug/g
Molybdenum	4 ug/g
Nickel	8 ug/g
Lead	2 ug/g
Vanadium	25 ug/g
Zinc	12 ug/g
Chlorine, Dry	<10 ug/g
Fluorine, Dry	40 ug/g
Arsenic	6 ug/g
Selenium	3 ug/g
Mercury	0.09 ug/g

Respectfully submitted,
SGS NORTH AMERICA INC.

Byron C. Cat

Denver Laboratory

SGS North America Inc. | Minerals Services Division
4665 Paris Street, Suite B-200, Denver, CO 80239 t (303) 373-4772 f (303) 373-4791 www.us.sgs.com/minerals

SGS North America Inc.
GENERAL CONDITIONS OF SERVICE

1. General

(a) Unless otherwise agreed in writing or except where they are at variance with (i) the regulations governing services performed on behalf of governments, government bodies or any other public entity or (ii) the mandatory provisions of local law, all offers or services and all resulting contractual relationship(s) between any of the affiliated companies of SGS SA or any of their agents (each a "Company") and Client (the "Contractual Relationship(s)") shall be governed by these general conditions of service (hereinafter the "General Conditions"). (b) The Company may perform services for persons or entities (private, public or governmental) issuing instructions (hereinafter, the "Client"). (c) Unless the Company receives prior written instructions to the contrary from Client, no other party is entitled to give instructions, particularly on the scope of the services or the delivery of reports or certificates resulting there from (the "Reports of Findings"). Client hereby irrevocably authorises the Company to deliver Reports of Findings to a third party where so instructed by Client or at its discretion, where it implicitly follows from circumstances, trade custom, usage or practice.

2. Provision of Services

(a) The Company will provide services using reasonable care and skill and in accordance with Client's specific instructions as confirmed by the Company or, in the absence of such instructions: (1) the terms of any standard order form or standard specification sheet of the Company; and/or (2) any relevant trade custom, usage or practice; and/or (3) such methods as the Company shall consider appropriate on technical, operational and/or financial grounds. (b) Information stated in Reports of Findings is derived from the results of inspection or testing procedures carried out in accordance with the instructions of Client, and/or our assessment of such results on the basis of any technical standards, trade custom or practice, or other circumstances which should in our professional opinion be taken into account. (c) Reports of Findings issued further to the testing of samples contain the Company's opinion on those samples only and do not express any opinion upon the lot from which the samples were drawn. (d) Should Client request that the Company witness any third party intervention, Client agrees that the Company's sole responsibility is to be present at the time of the third party's intervention and to forward the results, or confirm the occurrence, of the intervention. Client agrees that the Company is not responsible for the condition or calibration of apparatus, instruments and measuring devices used, the analysis methods applied, the qualifications, actions or omissions of third party personnel or the analysis results. (e) Reports of Findings issued by the Company will reflect the facts as recorded by it at the time of its intervention only and within the limits of the instructions received or, in the absence of such instructions, within the limits of the alternative parameters applied as provided for in clause 2(a). The Company is under no obligation to refer to, or report upon, any facts or circumstances which are outside the specific instructions received or alternative parameters applied. (f) The Company may delegate the performance of all or part of the services to an agent or subcontractor and Client authorises Company to disclose all information necessary for such performance to the agent or subcontractor. (g) Should Company receive documents reflecting engagements contracted between Client and third parties or third party documents, such as copies of sale contracts, letters of credit, bills of lading, etc., they are considered to be for information only, and do not extend or restrict the scope of the services or the obligations accepted by the Company. (h) Client acknowledges that the Company, by providing the services, neither takes the place of Client or any third party, nor releases them from any of their obligations, nor otherwise assumes, abridges, abrogates or undertakes to discharge any duty of Client to any third party or that of any third party to Client.

(i) All samples shall be retained for a maximum of 3 months or such other shorter time period as the nature of the sample permits and then returned to Client or otherwise disposed of at the Company's discretion after which time Company shall cease to have any responsibility for such samples. Storage of samples for more than 3 months shall incur a storage charge payable by Client. Client will be billed a handling and freight fee if samples are returned. Special disposal charges will be billed to Client if incurred.

3. Obligations of Client

The Client will: (a) ensure that sufficient information, instructions and documents are given in due time (and, in any event not later than 48 hours prior to the desired intervention) to enable the required services to be performed; (b) procure all necessary access for the Company's representatives to the premises where the services are to be performed and take all necessary steps to eliminate or remedy any obstacles to, or interruptions in, the performance of the services; (c) supply, if required, any special equipment and personnel necessary for the performance of the services; (d) ensure that all necessary measures are taken for safety and security of working conditions, sites and installations during the performance of services and will not rely, in this respect, on the Company's advice whether required or not; (e) inform Company in advance of any known hazards or dangers, actual or potential, associated with any order or samples or testing including, for example, presence or risk of radiation, toxic or noxious or explosive elements or materials, environmental pollution or poisons; (f) fully exercise all its rights and discharge all its liabilities under any relevant sales or other contract with a third party and at law.

4. Fees and Payment

(a) Fees not established between the Company and Client at the time the order is placed or a contract is negotiated shall be at the Company's standard rates (which are subject to change) and all applicable taxes shall be payable by Client. (b) Unless a shorter period is established in the invoice, Client will promptly pay not later than 30 days from the relevant invoice date or within such other period as may be established by the Company in the invoice (the "Due Date") all fees due to the Company failing which interest will become due at a rate of 1.5% per month (or such other rate as may be established in the invoice) from the Due Date up to and including the date payment is actually received. (c) Client shall not be entitled to retain or defer payment of any sums due to the Company on account of any dispute, counter claim or set off which it may allege against the Company. (d) Company may elect to bring action for the collection of unpaid fees in any court having competent jurisdiction. (e) Client shall pay all of the Company's collection costs, including attorney's fees and related costs. (f) In the event any unforeseen problems or expenses arise in the course of carrying out the services the Company shall endeavour to inform Client and shall be entitled to charge additional fees to cover extra time and cost necessarily incurred to complete the services. (g) If the Company is unable to perform all or part of the services for any cause whatsoever outside the Company's control including failure by Client to comply with any of its obligations provided for in clause 3 above the Company shall nevertheless be entitled to payment of: (1) the amount of all non-refundable expenses incurred by the Company; and (2) a proportion of the agreed fee equal to the proportion of the services actually carried out.

5. Suspension or Termination of Services

The Company shall be entitled to immediately and without liability either suspend or terminate provision of the services in the event of: (a) failure by the Client to comply with any of its obligations hereunder and such failure is not remedied within 10 days that notice of such failure has been notified to Client, or (b) any suspension of payment, arrangement with creditors, bankruptcy, insolvency, receivership or cessation of business by Client.

6. Liability and Indemnification

(a) Limitation of Liability: (1) The Company is neither an insurer nor a guarantor and disclaims all liability in such capacity. Clients seeking a guarantee against loss or damage should obtain appropriate insurance. (2) Reports of Findings are issued on the basis of information, documents and/or samples provided by, or on behalf of, Client and solely for the benefit of Client who is responsible for acting as it sees fit on the basis of such Reports of Findings. Neither the Company nor any of its officers, employees, agents or subcontractors shall be liable to Client nor any third party for any actions taken or not taken on the basis of such Reports of Findings nor for any incorrect results arising from unclear, erroneous, incomplete, misleading or false information provided to the Company. (3) The Company shall not be liable for any delayed, partial or total non-performance of the services arising directly or indirectly from any event outside the Company's control including failure by Client to comply with any of its obligations hereunder. (4) The liability of the Company in respect of any claim for loss, damage or expense of any nature and howsoever arising shall in no circumstances exceed a total aggregate sum equal to 10 times the amount of the fee paid in respect of the specific service which gives rise to such claim or US$20,000 (or its equivalent in local currency), whichever is the lesser. (5) The Company shall have no liability for any indirect or consequential loss (including loss of profits). (6) In the event of any claim, Client must give written notice to the Company within 30 days of discovery of the facts alleged to justify such claim and, in any case, the Company shall be discharged from all liability for all claims for loss, damage or expense unless suit is brought within one year from: (i) date of performance by the Company of the service which gives rise to the claim; or (ii) the date when the service should have been completed in the event of any alleged non-performance.

(b) Indemnification: Client shall guarantee, hold harmless and indemnify the Company and its officers, employees, agents or subcontractors against all claims (actual or threatened) by any third party for loss, damage or expense of whatsoever nature including all legal expenses and related costs and howsoever arising relating to the performance, purported performance or non-performance, of any services.

7. Miscellaneous

(a) If any one or more provisions of these General Conditions are found to be illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby. (b) During the course of providing the services and for a period of one year thereafter Client shall not directly or indirectly entice, encourage or make any offer to Company's employees to leave their employment with the Company. (c) Use of the Company's corporate name or registered marks for advertising purposes is not permitted without the Company's prior written authorisation.

8. Governing Law, Jurisdiction and Dispute Resolution

Unless specifically agreed otherwise, all disputes arising out of or in connection with Contractual Relationship(s) hereunder shall be governed by the substantive laws of the jurisdiction in which the services are rendered exclusive of any rules with respect to conflicts of laws and be finally settled under the Rules of Arbitration of the International Chamber of Commerce by one or more arbitrators appointed in accordance with the said rules. The arbitration shall take place in Chicago, Illinois and be conducted in the English language.

9. Archival Storage

The Company shall retain in its archive for five (5) years or such longer period as required by an accreditation body, contract or by law, all information relating to the client information. At the end of the archive period, the Company shall transfer, retain or dispose of the information at its discretion, unless instructed otherwise by the Client. Fees for carrying out such instructions will be invoiced to the Client.

10. Sample Retention and Disposal

Samples will be retained for thirty (30) days and then returned to the Client or otherwise disposed of at the Company's discretion. Storage of samples for more than 30 days shall incur a storage charge. Client will be billed a handling and freight fee when samples are returned. Special disposal charges will be billed to the client if incurred.

11. Trial Testimony, Deposition and Consultation

All costs associated with compliance with any subpoena(s) for documents, testimony in a court of law or for any other purpose relating to work performed by the Company in connection with work performed for that Client, shall be paid by Client. Client shall also pay the Company's then existing standard fees for consulting, deposition and trial testimony and all expenses related there to.

AES
Puerto Rico

CEMS Maintenance Records and CAG Audits

Unit 1 & 2

Calibration Gas Audit Report

Record Number= 16

U 1 Hi NOx SO2 Start Time:_____ Date:_____ End Time:_____ Date:_____

Analyzer NOx High	LOW	HIGH
REF GAS VALUE	109.00	174.00
DATE	03/20/2007	03/20/2007
TIME	09:07	09:10
RUN 1	106.00	169.30
DATE	03/20/2007	03/20/2007
TIME	09:13	09:16
RUN 2	105.60	169.60
DATE	03/20/2007	03/20/2007
TIME	09:18	09:21
RUN 3	106.60	170.40
AVERAGE=SUM/3	106.07	169.77
% ACCURACY	-2.69	-2.43
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC150546	CC39627
CERTIFICATION DATE	04/26/2006	07/27/2005

Analyzer SO2 High	LOW	HIGH
REF GAS VALUE	27.80	45.60
DATE	03/20/2007	03/20/2007
TIME	09:07	09:10
RUN 1	27.83	46.90
DATE	03/20/2007	03/20/2007
TIME	09:13	09:16
RUN 2	27.78	44.42
DATE	03/20/2007	03/20/2007
TIME	09:18	09:21
RUN 3	27.28	46.56
AVERAGE=SUM/3	27.63	45.96
% ACCURACY	-0.61	0.79
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC150546	CC39627
CERTIFICATION DATE	04/26/2006	07/27/2005

Calibration Gas Audit Report

Record Number= 17

U 2 CO O2 Start Time:_____ Date:_____ End Time:_____ Date:_____

Analyzer CO	LOW	HIGH
REF GAS VALUE	50.50	114.50
DATE	03/20/2007	03/20/2007
TIME	15:08	15:11
RUN 1	52.00	114.10
DATE	03/20/2007	03/20/2007
TIME	15:13	15:16
RUN 2	52.60	114.10
DATE	03/20/2007	03/20/2007
TIME	15:19	15:22
RUN 3	52.30	114.40
AVERAGE=SUM/3	52.30	114.20
% ACCURACY	3.56	-0.26
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC156874	SA17376
CERTIFICATION DATE	04/19/2006	11/22/2006

Analyzer OXY	LOW	HIGH
REF GAS VALUE	4.97	11.48
DATE	03/20/2007	03/20/2007
TIME	15:08	15:11
RUN 1	5.19	11.37
DATE	03/20/2007	03/20/2007
TIME	15:13	15:16
RUN 2	5.17	11.45
DATE	03/20/2007	03/20/2007
TIME	15:19	15:22
RUN 3	5.19	11.38
AVERAGE=SUM/3	5.18	11.40
% ACCURACY	4.23	-0.70
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC156874	SA17376
CERTIFICATION DATE	04/19/2006	11/22/2006

Calibration Gas Audit Report

Record Number= 15

U 1 CO O2 Start Time:_____ Date:_____ End Time:_____ Date:_____

Analyzer CO	LOW	HIGH
REF GAS VALUE	50.50	114.50
DATE	03/19/2007	03/19/2007
TIME	14:39	14:42
RUN 1	49.40	114.30
DATE	03/19/2007	03/19/2007
TIME	14:46	14:52
RUN 2	49.50	114.50
DATE	03/19/2007	03/19/2007
TIME	14:56	15:02
RUN 3	49.90	115.30
AVERAGE=SUM/3	49.60	114.70
% ACCURACY	-1.78	0.17
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC156874	SA17376
CERTIFICATION DATE	04/19/2006	11/22/2006

Analyzer OXY	LOW	HIGH
REF GAS VALUE	4.97	11.48
DATE	03/19/2007	03/19/2007
TIME	14:39	14:42
RUN 1	4.98	11.37
DATE	03/19/2007	03/19/2007
TIME	14:46	14:52
RUN 2	4.98	11.62
DATE	03/19/2007	03/19/2007
TIME	14:56	15:02
RUN 3	5.00	11.64
AVERAGE=SUM/3	4.99	11.54
% ACCURACY	0.40	0.52
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC156874	SA17376
CERTIFICATION DATE	04/19/2006	11/22/2006

Calibration Gas Audit Report

Record Number= 17

U 2 NOx SO2 CO2 Start Time:_____ Date:_____ End Time:_____ Date:_____

Analyzer NOx	LOW	HIGH
REF GAS VALUE	25.00	54.60
DATE	03/20/2007	03/20/2007
TIME	10:39	10:43
RUN 1	24.00	52.70
DATE	03/20/2007	03/20/2007
TIME	10:46	10:49
RUN 2	23.50	53.00
DATE	03/20/2007	03/20/2007
TIME	10:53	10:56
RUN 3	23.60	53.20
AVERAGE=SUM/3	23.70	52.97
% ACCURACY	-5.20	-2.99
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC165142	CC165685
CERTIFICATION DATE	09/06/2005	12/28/2006

Analyzer SO2	LOW	HIGH
REF GAS VALUE	4.30	10.26
DATE	03/20/2007	03/20/2007
TIME	10:39	10:43
RUN 1	4.00	10.80
DATE	03/20/2007	03/20/2007
TIME	10:46	10:49
RUN 2	4.12	10.65
DATE	03/20/2007	03/20/2007
TIME	10:53	10:56
RUN 3	4.14	10.49
AVERAGE=SUM/3	4.09	10.65
% ACCURACY	-4.88	3.80
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC165142	CC165658
CERTIFICATION DATE	09/06/2005	12/28/2006

Analyzer CO2	LOW	HIGH
REF GAS VALUE	5.40	11.27
DATE	03/20/2007	03/20/2007
TIME	10:39	10:43
RUN 1	5.75	11.65
DATE	03/20/2007	03/20/2007
TIME	10:46	10:49
RUN 2	5.76	11.71
DATE	03/20/2007	03/20/2007
TIME	10:53	10:56
RUN 3	5.77	11.74
AVERAGE=SUM/3	5.76	11.70
% ACCURACY	6.67	3.82
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC165142	CC165685
CERTIFICATION DATE	09/06/2005	12/28/2006

Calibration Gas Audit Report

Record Number= 22

U 1 NOx SO2 CO2 Start Time:_____ Date:_____ End Time:_____ Date:_____

Analyzer NOx	LOW	HIGH
REF GAS VALUE	25.00	54.60
DATE	03/19/2007	03/19/2007
TIME	10:00	10:03
RUN 1	24.40	54.90
DATE	03/19/2007	03/19/2007
TIME	10:07	10:11
RUN 2	24.20	55.50
DATE	03/19/2007	03/19/2007
TIME	10:14	10:18
RUN 3	24.40	55.50
AVERAGE=SUM/3	24.33	55.30
% ACCURACY	-2.68	1.28
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC165142	CC165685
CERTIFICATION DATE	09/06/2005	12/28/2006

Analyzer SO2	LOW	HIGH
REF GAS VALUE	4.30	10.26
DATE	03/19/2007	03/19/2007
TIME	10:00	10:03
RUN 1	4.12	9.75
DATE	03/19/2007	03/19/2007
TIME	10:07	10:11
RUN 2	4.16	9.96
DATE	03/19/2007	03/19/2007
TIME	10:14	10:18
RUN 3	4.29	10.42
AVERAGE=SUM/3	4.19	10.04
% ACCURACY	-2.56	-2.14
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC165142	CC165658
CERTIFICATION DATE	09/06/2005	12/28/2006

Analyzer CO2	LOW	HIGH
REF GAS VALUE	5.40	11.27
DATE	03/19/2007	03/19/2007
TIME	10:00	10:03
RUN 1	5.73	11.53
DATE	03/19/2007	03/19/2007
TIME	10:07	10:11
RUN 2	5.77	11.53
DATE	03/19/2007	03/19/2007
TIME	10:14	10:18
RUN 3	5.74	11.55
AVERAGE=SUM/3	5.75	11.54
% ACCURACY	6.48	2.40
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC165142	CC165685
CERTIFICATION DATE	09/06/2005	12/28/2006

Calibration Gas Audit Report

Record Number= 15

U 2 Hi NOx SO2 Start Time:_____ Date:_____ End Time:_____ Date:_____

Analyzer NOx High	LOW	HIGH
REF GAS VALUE	109.00	174.00
DATE	03/20/2007	03/20/2007
TIME	09:43	09:47
RUN 1	111.60	177.70
DATE	03/20/2007	03/20/2007
TIME	09:52	09:55
RUN 2	112.50	177.90
DATE	03/20/2007	03/20/2007
TIME	09:58	10:01
RUN 3	111.10	178.40
AVERAGE=SUM/3	111.73	178.00
% ACCURACY	2.50	2.30
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC150546	CC39627
CERTIFICATION DATE	04/26/2006	07/27/2005

Analyzer SO2 High	LOW	HIGH
REF GAS VALUE	27.80	45.60
DATE	03/20/2007	03/20/2007
TIME	09:43	09:47
RUN 1	26.49	43.59
DATE	03/20/2007	03/20/2007
TIME	09:52	09:55
RUN 2	26.66	44.21
DATE	03/20/2007	03/20/2007
TIME	09:58	10:01
RUN 3	26.89	44.17
AVERAGE=SUM/3	26.68	43.99
% ACCURACY	-4.03	-3.53
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC150546	CC39627
CERTIFICATION DATE	04/26/2006	07/27/2005

==========

Daily Opacity Report
AES Puerto Rico
Unit 1
Puerto Rico

==========

Date and Time Report Generated:
05/01/2007 15:58:52

Reporting Period
Start: 02/11/2007 0:00
End : 02/11/2007 23:54
Six Minute Averages

DAILY OPACITY VALUES

HR	00	06	12	18	24	30	36	42	48	54	Hr Avg
00	12.3	11.3	9.3	9.5	9.8	12.3	12.6	9.7	9.0	10.9	10.7
01	17.4	18.8	18.8	19.7	17.0	15.3	17.9	19.0	16.3	15.8	17.6
02	19.3	18.1	14.1	12.4	14.5	16.7	18.3	19.4	17.8	0.0N	16.7
03	18.1N	27.4E	15.5	15.9	18.4	15.8	23.7	14.8	11.0	9.4	16.9
04	10.2	14.0	9.0	9.9	11.0	10.5	10.5	10.2	9.6	9.0	10.4
05	9.9	9.5	9.1	9.6	9.4	10.0	7.9	7.9	7.6	7.4	8.8
06	6.5	6.6	4.9	5.7	5.5	6.0	5.3	8.4	5.5	4.2	5.9
07	5.1	5.4	5.3	5.3	6.2	4.4	0.0N	5.9	8.1	7.5	5.9
08	10.0	13.8	8.9	8.8	11.9	14.1	11.0	11.0	14.0	20.8	12.4
09	20.3	12.9	12.7	25.7E	29.5E	23.4E	17.0	13.9	13.2	12.5	18.1
10	12.7	11.7	10.3	9.5	10.0	10.1	11.5	10.4	11.5	13.0	11.1
11	15.5	13.0	12.4	11.2	11.0	10.5	10.8	12.0	12.4	11.9	12.1
12	11.8	10.9	11.3	10.5	11.2	26.3	18.7	13.3	11.0	9.9	13.5
13	10.7	10.3	11.0	9.7	11.6	15.3	23.1	15.5	14.9	12.7	13.5
14	12.1	12.3	11.3	21.7	25.7E	16.7	22.6E	15.4	14.3	24.3E	17.6
15	16.5	16.3	13.7	12.7	12.6	12.1	12.4	12.4	12.1	18.4	13.9
16	20.7	14.7	13.6	12.9	13.4	19.9	14.1	13.5	12.9	12.4	14.8
17	12.5	12.8	13.1	12.6	12.1	12.2	11.7	11.8	11.7	12.8	12.3
18	12.1	12.0	12.3	11.9	11.7	13.7	12.6	18.8	13.0	13.4	13.2
19	12.0	11.6	10.3	11.0	9.7	10.5	17.3	11.2	10.4	10.4	11.4
20	10.2	10.1	10.0	9.9	12.3	10.2	9.9	10.1	23.8	11.5	11.8
21	10.7	10.7	10.3	10.3	10.9	15.2	11.6	9.8	9.4	9.7	10.9
22	10.0	9.8	10.5N	0.0N	10.0N	9.4	9.3	9.6	9.7	9.6	9.6
23	10.0	21.8	11.4	10.6	10.7	10.1	17.2	13.7	11.4	10.8	12.8

Legend
C - Out of Control
I - Insufficient Data
A - Calibration Error
X - Calibration Expired
E - Exceedance
N - In Calibration
P - Preventive Maintenance
D - Process Down

==========

Q1'07 U2 Monitor Downtime Opacity

Monitor Downtime Report
AES Puerto Rico
Unit #2
OPACITY

Report for 01/01/2007 to 03/31/2007

1. Monitor Availability

Reasons for Missing or Unacceptable Data	Downtime (minutes)	% Downtime to Operating Time
a. Monitor Malfunctions	0	0.00
b. Non-Monitor Equipment Malfunctions	0	0.00
c. Quality Assurance	618	0.50
d. Other Known Causes	60	0.05
e. Unknown Causes	0	0.00
Total CMS Downtime	678	0.55

Total Online Operating Time in Minutes	123060
[Total CMS Downtime] x 100 / [Total source operating time]. (%)	0.55

B. Excess Emissions Summary

1. Number of 6 Minute Averages	20510
2. Number of 6 Minute Averages in Excess of Limit	175

3. Reasons for Excess Emissions Based on 6 Minute Rolling Average	Duration (Minutes)	% E.E. Time To Operating Time
I. Startup / Shutdown	90	0.07
II. Control Equipment Malfunction	0	0.00
III. Process Malfunction	0	0.00
IV. Unknown Causes	0	0.00
V. Other Known Causes	960	0.78
TOTAL	1050	

Total Monitored Facility Operating Minutes	122382
Total duration of excess emissions x 100 / [Total source operating time]. (%)	0.86

Monitor Span Exceedance Summary for OPACITY

Instrument Span: 80

The instrument did not exceed its span during the reporting period.

Changes since last quarter in CMS, process or controls for OPACITY: None

Q1'07 U1 Monitor Downtime Opacity

Monitor Downtime Report
AES Puerto Rico
Unit #1
OPACITY

Report for 01/01/2007 to 03/31/2007

1. Monitor Availability

Reasons for Missing or Unacceptable Data	Downtime (minutes)	% Downtime to Operating Time
a. Monitor Malfunctions	0	0.00
b. Non-Monitor Equipment Malfunctions	0	0.00
c. Quality Assurance	156	0.12
d. Other Known Causes	24	0.02
e. Unknown Causes	0	0.00
Total CMS Downtime	180	0.14

Total Online Operating Time in Minutes 127884
[Total CMS Downtime] x 100 / [Total source operating time]. (%) 0.14

B. Excess Emissions Summary

1. Number of 6 Minute Averages 21314
2. Number of 6 Minute Averages in Excess of Limit 124

3. Reasons for Excess Emissions Based on 6 Minute Rolling Average	Duration (Minutes)	% E.E. Time To Operating Time
I. Startup / Shutdown	42	0.03
II. Control Equipment Malfunction	0	0.00
III. Process Malfunction	0	0.00
IV. Unknown Causes	0	0.00
V. Other Known Causes	702	0.55
TOTAL	744	

Total Monitored Facility Operating Minutes 127704
Total duration of excess emissions x 100 / [Total source operating time]. (%) 0.58

Monitor Span Exceedance Summary for OPACITY

Instrument Span: 80
Span Range Exceedances

DATE	TIME
02/19/2007	15:54
03/27/2007	0:42
03/27/2007	0:48

Linde Gas

Certificate of Analysis

EPA Protocol

Performed according to EPA-600/R-97/121, Procedure G1

Notice: This Cylinder is not to be used when pressure is under 150 psig.

Manufactured and certified at:
Linde Gas LLC
Maumee Specialty Gas Plant
6421 Monclova Road
MAUMEE OH 43537
419-893-7226

Produced for customer:
LINDE GAS PUERTO RICO INC
SAN JUAN PR
USA
800-981-7455

Material:	2179		**Blend Tolerance:**	5 % Relative
MISC 3 COMPONENT	EPA	A31	**Blend Type:**	EPA Protocol
Production #:	100117449		**Cyl. Pressure:**	2000 psig
Lot #:	02499D6130EA		**Balance Gas:**	Nitrogen
Cylinder #:	CC150546		**CGA:**	660
Expiration Date:	4/26/2008		**Volume:**	143 cf
Shelf Life:	24 months		**Analytical Accuracy:**	1.00 % Relative

CAS #	Certified Component	Requested Concentration	Concentration and Uncertainty	Date of Certification
10102-43-9	Nitric Oxide	110	109 +/- 1 ppm	04/26/2006
7446-09-5	Sulfur Dioxide	28	27.8 +/- 0.3 ppm	04/26/2006
7727-37-9	Nitrogen		Balance	04/26/2006

CAS #	Analyzed (For Ref Use Only)	Concentration	Analysis Date
N/A	NOx	109 ppm	04/26/2006

CAS #	Reference Standard	Cylinder/Standard #	Concentration	Expire Date
7446-09-5	Sulfur Dioxide	CC157637 , GMIS	25.95 ppm	06/14/2007
10102-43-9	Nitric Oxide	CC221965 , GMIS	48.81 ppm	10/25/2007

Instrument	Serial #	Analytical Principle	Calibration Date
Thermo Nicolet AEM	AET0100218	FTIR	04/07/2006

All analyses are performed under controlled environmental conditions.This product is manufactured using equipment which has been calibrated with NIST traceable, or equivalent, standards, weights, or equipment.

Analytical report approved by Jennifer Carney

Jennifer Carney

HiQ Analysis Certificate

Member of the Linde Gas Group

Linde

Certificate of Analysis

EPA Protocol

Performed according to EPA-600/R-97/121, Procedure G1

Notice: This Cylinder is not to be used when pressure is under 150 psig.

Manufactured and certified at:

Linde Gas LLC
Maumee Specialty Gas Plant
6421 Monclova Road
MAUMEE OH 43537
419-893-7226

Produced for customer:

LINDE GAS PUERTO RICO INC
SAN JUAN PR
USA
800-981-7455

Material:	2199		**Blend Tolerance:**	5 % Relative
EPA MISC 4 COMPONENT		A31	**Blend Type:**	EPA Protocol
Production #:	100103075		**Cyl. Pressure:**	2000 psig
Lot #:	02499G5200JP		**Balance Gas:**	Nitrogen
Cylinder #:	CC165142		**CGA:**	660
Expiration Date:	9/6/2007		**Volume:**	144 cf
Shelf Life:	24 months		**Analytical Accuracy:**	1.00 % Relative

CAS #	Certified Component	Requested Concentration	Concentration and Uncertainty	Date of Certification
10102-43-9	Nitric Oxide	25	25.0 +/- 0.3 ppm	09/06/2005
7446-09-5	Sulfur Dioxide	5	4.30 +/- 0.04 ppm	09/06/2005
124-38-9	Carbon Dioxide	5.5	5.40 +/- 0.05 %	09/06/2005
7727-37-9	Nitrogen		Balance	09/06/2005

CAS #	Analyzed (For Ref Use Only)	Concentration	Analysis Date
N/A	NOx	25.0 ppm	09/06/2005

CAS #	Reference Standard	Cylinder/Standard #	Concentration	Expire Date
7446-09-5	Sulfur Dioxide	CC13966 , GMIS	50.40 ppm	01/30/2006
124-38-9	Carbon Dioxide	CC76149 , GMIS	3.007 %	04/26/2006
10102-43-9	Nitric Oxide	CC4109 , GMIS	19.98 ppm	12/09/2006

Instrument	Serial #	Analytical Principle	Calibration Date
Thermo Nicolet AEM	AET0100218	FTIR	07/05/2005

All analyses are performed under controlled environmental conditions.This product is manufactured using equipment which has been calibrated with NIST traceable, or equivalent, standards, weights, or equipment.

Analytical report approved by Roy Yoder

Roy Yoder

HiQ Analysis Certificate

PRAXAIR

Praxair Distribution, Inc.
145 Shimersville Road
Bethlehem, PA 18015

Tel: (610) 691-2474
Fax: (610) 758-9103

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

CUSTOMER PRAXAIR SOUTHEAST **P.O NUMBER** 914589-2

REFERENCE STANDARD

COMPONENT	NIST SRM NO.	CYLINDER NO.	CONCENTRATION
100.3 PPM NITRIC OXIDE GMIS VS.	1684b	CAL015588	97.71 PPM
26.79 PPM SULFUR DIOXIDE GMIS VS.	1693a	CAL015193	49.66 PPM
17.90 % CARBON DIOXIDE GMIS VS.	2745	CAL016031	15.633 %

ANALYZER READINGS

R=REFERENCE STANDARD *Z=ZERO GAS* *C=GAS CANDIDATE*

1. **COMPONENT** 100.3 PPM NITRIC OXIDE GMIS **ANALYZER MAKE-MODEL-S/N** TECO MODEL 42C 42CH-57352-312
   ANALYTICAL PRINCIPLE Chemiluminescence **LAST CALIBRATION DATE** 11/30/06
   FIRST ANALYSIS DATE 12/06/06 **SECOND ANALYSIS DATE** 12/13/06

Z 0.0	R 98.5	C 53.4	CONC. 54.4	Z 0.0	R 100.2	C 53.3	CONC. 54.1
R 98.3	Z 0.0	C 53.5	CONC. 54.5	R 98.7	Z 0.0	C 53.4	CONC. 54.2
Z 0.0	C 53.9	R 98.8	CONC. 54.9	Z 0.0	C 53.2	R 97.5	CONC. 54.0
U/M PPM		MEAN TEST ASSAY	54.6	U/M PPM		MEAN TEST ASSAY	54.1

2. **COMPONENT** 26.79 PPM SULFUR DIOXIDE GMIS **ANALYZER MAKE-MODEL-S/N** SIEMENS ULTRAMAT 5E S/N:C7-228
   ANALYTICAL PRINCIPLE NON-DISPERSIVE INFRARED **LAST CALIBRATION DATE** 11/30/06
   FIRST ANALYSIS DATE 12/20/06 **SECOND ANALYSIS DATE** 12/28/06

Z -0.04	R 26.96	C 10.44	CONC. 10.32	Z -0.06	R 27.22	C 10.33	CONC. 10.25
R 26.91	Z 0.03	C 10.33	CONC. 10.21	R 27.16	Z -0.12	C 10.32	CONC. 10.24
Z 0.11	C 10.45	R 26.90	CONC. 10.33	Z -0.11	C 10.34	R 27.11	CONC. 10.26
U/M PPM		MEAN TEST ASSAY	10.28	U/M PPM		MEAN TEST ASSAY	10.25

3. **COMPONENT** 17.90 % CARBON DIOXIDE GMIS **ANALYZER MAKE-MODEL-S/N** SIEMENS ULTRAMAT 5E SN: D2-412
   ANALYTICAL PRINCIPLE NON-DISPERSIVE INFRARED **LAST CALIBRATION DATE** 11/30/06
   FIRST ANALYSIS DATE 11/17/06 **SECOND ANALYSIS DATE**

Z 0.00	R 17.70	C 11.14	CONC. 11.27	Z	R	C	CONC.
R 17.70	Z 0.00	C 11.14	CONC. 11.27	R	Z	C	CONC.
Z 0.00	C 11.14	R 17.70	CONC. 11.27	Z	C	R	CONC.
U/M %		MEAN TEST ASSAY	11.27	U/M %		MEAN TEST ASSAY	

THIS CYLINDER NO. CC165685
HAS BEEN CERTIFIED ACCORDING TO SECTION 2.2
OF TRACEABILITY PROTOCOL NO. EPA-600/R97/121
PROCEDURE G1
CERTIFIED ACCURACY ± 1 **% NIST TRACEABLE**
CYLINDER PRESSURE 2000 **PSIG**
CERTIFICATION DATE 12/28/06
EXPIRATION DATE 06/28/07 **TERM**

CERTIFIED CONCENTRATION

NITRIC OXIDE	54.6 PPM
SULFUR DIOXIDE	10.26 PPM
CARBON DIOXIDE	11.27 %
NOX (FOR REFERENCE ONLY)	54.6 PPM

VALUES NOT VALID BELOW 150 PSIG; BALANCE: NITROGEN
UNCERTAINTIES:NO±0.6PPM, SO2±0.06PPM, CO2±0.05%

ANALYZED BY COLLEEN STRAUBINGER

CERTIFIED BY 12-29-06

CB5

Linde Gas

Certificate of Analysis

EPA Protocol

Performed according to EPA-600/R-97/121, Procedure G1

Notice: This Cylinder is not to be used when pressure is under 150 psig.

Manufactured and certified at:

Linde Gas LLC
Maumee Specialty Gas Plant
6421 Monclova Road
MAUMEE OH 43537
419-893-7226

Produced for customer:

LINDE GAS PUERTO RICO INC
SAN JUAN PR
USA
800-981-7455

Material:	2179		**Blend Tolerance:**	5 % Relative
MISC 3 COMPONENT	EPA	A31	**Blend Type:**	EPA Protocol
Production #:	100116960		**Cyl. Pressure:**	2000 psig
Lot #:	02499D6040GD		**Balance Gas:**	Nitrogen
Cylinder #:	CC156874		**CGA:**	590
Expiration Date:	4/19/2009		**Volume:**	143 cf
Shelf Life:	36 months		**Analytical Accuracy:**	1.00 % Relative

CAS #	Certified Component	Requested Concentration	Concentration and Uncertainty	Date of Certification
630-08-0	Carbon Monoxide	50	50.5 +/- 0.5 ppm	04/19/2006
7782-44-7	Oxygen	5	4.97 +/- 0.05 %	04/19/2006
7727-37-9	Nitrogen		Balance	04/19/2006

CAS #	Reference Standard	Cylinder/Standard #	Concentration	Expire Date
7782-44-7	Oxygen	CC58998 , NTRM	4.974 %	10/02/2008
630-08-0	Carbon Monoxide	CC180262 , NTRM	49.33 ppm	02/02/2009

Instrument	Serial #	Analytical Principle	Calibration Date
Horiba VIA-510	568384012	Non-Dispersive Infrared	04/11/2006
Rosemount 755R	1000559	Paramagnetic	04/12/2006

All analyses are performed under controlled environmental conditions.This product is manufactured using equipment which has been calibrated with NIST traceable, or equivalent, standards, weights, or equipment.

Analytical report approved by Roy Yoder

Roy Yoder

HiQ Analysis Certificate

PRAXAIR

Cal Config. ✓

Praxair Distribution, Inc.
145 Shimersville Road
Bethlehem, PA 18015

Tel: (610) 691-2474
Fax: (610) 758-9103

CB1 = 1100
Dpp 2 = 1700
3 = 1100

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

CUSTOMER PRAXAIR SOUTHEAST

P.O NUMBER 914589-03

REFERENCE STANDARD

COMPONENT	NIST SRM NO.	CYLINDER NO.	CONCENTRATION
151.4 PPM CARBON MONOXIDE GMIS VS	82636	CC64020	249.4 PPM
22.95 % GMIS VS	2659a	CAL015449	20.72 %

ANALYZER READINGS

R=REFERENCE STANDARD *Z=ZERO GAS* *C=GAS CANDIDATE*

1. COMPONENT 151.4 PPM CARBON MONOXIDE GMIS VS ANALYZER MAKE-MODEL-S/N Siemens Ultramat 5E S/N B8-900
   ANALYTICAL PRINCIPLE NON-DISPERSIVE INFRARED LAST CALIBRATION DATE 10/31/06
   FIRST ANALYSIS DATE 11/15/06 SECOND ANALYSIS DATE 11/22/06

Z	0	R	151.0	C	114.5	CONC.	114.8	Z	0	R	152.5
R	151.0	Z	0	C	114.5	CONC.	114.8	R	152.5	Z	0
Z	0	C	114.5	R	151.0	CONC.	114.8	Z	0	C	115.0
U/M	PPM					MEAN TEST ASSAY	114 8	U/M	PPM		

C	115.0	CONC.	114.2								
C	115.0	CONC.	114.2								
R	152.5	CONC.	114.2								
		MEAN TEST ASSAY	114.2								

2. COMPONENT 22.95 % GMIS VS ANALYZER MAKE-MODEL-S/N Siemens Oxymat 5E S/N F1-111
   ANALYTICAL PRINCIPLE Paramagnetic LAST CALIBRATION DATE 10/31/06
   FIRST ANALYSIS DATE 11/15/06 SECOND ANALYSIS DATE

Z	0	R	23.58	C	11.80	CONC.	11.48	Z		R	
R	23.58	Z	0	C	11.80	CONC.	11.48	R		Z	
Z	0	C	11.80	R	23.58	CONC.	11.48	Z		C	
U/M	%					MEAN TEST ASSAY	11.48	U/M	%		

C		CONC.	
C		CONC.	
R		CONC.	
		MEAN TEST ASSAY	

VALUES NOT VALID BELOW 150 PSIG
UNCERTAINTIES: CO±1.4PPM; O2±0.04%

(Values Change)
02/16/07

THIS CYLINDER NO. SA17376
HAS BEEN CERTIFIED ACCORDING TO SECTION 2.2
OF TRACEABILITY PROTOCOL NO. EPA-600/R97/121
PROCEDURE G1
CERTIFIED ACCURACY ± 1 % NIST TRACEABLE
CYLINDER PRESSURE 2000 PSIG
CERTIFICATION DATE 11/22/06
EXPIRATION DATE 11/22/09 TERM

CERTIFIED CONCENTRATION

CARBON MONOXIDE	CO	114.5PPM	OK
OXYGEN	O_2	11.48%	OK
NITROGEN		BALANCE	

ANALYZED BY KRISTEN BECK

CERTIFIED BY 11-30-06

CB7

A
er of the Linde Gas Group

Linde

Certificate of Analysis

EPA Protocol

Performed according to EPA-600/R-97/121, Procedure G1

Notice: This Cylinder is not to be used when pressure is under 150 psig.

anufactured and certified at:
Linde Gas LLC
Maumee Specialty Gas Plant
6421 Monclova Road
MAUMEE OH 43537
419-893-7226

Produced for customer:
LINDE GAS PUERTO RICO INC
SAN JUAN PR
USA
800-981-7455

Material:	4497		**Blend Tolerance:**	5 % Relativ
EPA THREE COMPONENT MIXTURE		A31	**Blend Type:**	EPA Protocol
Production #:	100101664		**Cyl. Pressure:**	2000 psig
Lot #:	02499G5150AW		**Balance Gas:**	Nitrogen
Cylinder #:	CC39627		**CGA:**	660
Expiration Date:	7/27/2007		**Volume:**	144 cf
Shelf Life:	24 months		**Analytical Accuracy:**	1.00 % Relative

CAS #	Certified Component	Requested Concentration	Concentration and Uncertainty	Date of Certification
10102-43-9	Nitric Oxide	180	174 +/- 2 ppm	07/27/2005
7446-09-5	Sulfur Dioxide	45	45.6 +/- 0.5 ppm	07/27/2005
7727-37-9	Nitrogen		Balance	07/27/2005

CAS #	Analyzed (For Ref Use Only)	Concentration	Analysis Date
N/A	NOx	174 ppm	07/27/2005

CAS #	Reference Standard	Cylinder/Standard #	Concentration	Expire Date
7446-09-5	Sulfur Dioxide	CC13966 , GMIS	50.40 ppm	01/30/2006
10102-43-9	Nitric Oxide	CC4109 , GMIS	19.98 ppm	12/09/2006

Instrument	Serial #	Analytical Principle	Calibration Date
Thermo Nicolet AEM	AET0100218	FTIR	07/05/2005

ll analyses are performed under controlled environmental conditions.This product is manufactured using equipment which has een calibrated with NIST traceable, or equivalent, standards, weights, or equipment.

Analytical report approved by Jennifer Carney

Jennifer Carney

HiQ Analysis Certificate

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CORRECTIVE ACTION REPORT FORM

DATE: 1/2/07	INITIALS: MQ
MALFUNCTION START DATE/TIME: 1/2/07 11:15 am	MALFUNCTION END DATE/TIME: 13:51 pm
UNIT/SYSTEM:	Unit #2
ANALYZER, MONITOR, COMPONENT SERVICED:	CO_2 analyzer

AS FOUND PROBLEM/CONDITION
(ALL DETAILS INCLUDING ALARMS ACTIVATED, ANALYZER VALUES, ETC.):

CO_2 warning alarm condition present after daily automatic calibration. Analyzer reading was 12.2% for a 10.9% standard.

CORRECTIVE ACTION TAKEN
(INCLUDE ALL TESTS/CHECKS PERFORMED ANDRESULTS):

CO_2 analyzer was mannaly calibrated.

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

CO_2 analyzer reading after calibration was 11.0% for a 10.9% standard; therefore working properly.

FIGURE 10-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CORRECTIVE ACTION REPORT FORM

DATE: 1/17/07	INITIALS: WOU
MALFUNCTION START DATE/TIME: 16:45 Suspect High Reading	MALFUNCTION END DATE/TIME: 1/17/07 19:00
Unit #2 Opacity Analyzer	UNIT/SYSTEM:
ANALYZER, MONITOR, COMPONENT SERVICED:	

AS FOUND PROBLEM/CONDITION
(ALL DETAILS INCLUDING ALARMS ACTIVATED, ANALYZER VALUES, ETC.):

Remove to the shop for suspect High Reading

CORRECTIVE ACTION TAKEN
(INCLUDE ALL TESTS/CHECKS PERFORMED AND RESULTS):

Taken to shop for test and running clean path test Ok.

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

OK

FIGURE 10-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CORRECTIVE ACTION REPORT FORM

DATE: 1/19/07	INITIALS: WDU
MALFUNCTION START DATE/TIME: 9:40	MALFUNCTION END DATE/TIME: 1/19/07 10:57
Unit # 2 UNIT/SYSTEM:	Opacity Analyzer.
ANALYZER, MONITOR, COMPONENT SERVICED:	

AS FOUND PROBLEM/CONDITION
(ALL DETAILS INCLUDING ALARMS ACTIVATED, ANALYZER VALUES, ETC.):

Purge for test zero

CORRECTIVE ACTION TAKEN
(INCLUDE ALL TESTS/CHECKS PERFORMED ANDRESULTS):

N/A the reading was OK.

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

N/A

FIGURE 10-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CORRECTIVE ACTION REPORT FORM

DATE: 1/23/07	INITIALS: WDV
MALFUNCTION START DATE/TIME: Time Difference to DCS	MALFUNCTION END DATE/TIME: 1/23/07 12:30.
CEMs Server UNIT/SYSTEM:	
ANALYZER, MONITOR, COMPONENT SERVICED:	

AS FOUND PROBLEM/CONDITION
(ALL DETAILS INCLUDING ALARMS ACTIVATED, ANALYZER VALUES, ETC.):

The Time of the CEMs Server have 30 min late that the DSC.

CORRECTIVE ACTION TAKEN
(INCLUDE ALL TESTS/CHECKS PERFORMED AND RESULTS):

Correct the time in the Server By Brion from Spectrum System.
Change from 11:42 to 12:12.
Done.

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

The time compare the DCS to CEMs Scaler.

FIGURE 10-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CORRECTIVE ACTION REPORT FORM

DATE: 02-11-07	INITIALS: C.S.
MALFUNCTION START DATE/TIME: 02-10-07	MALFUNCTION END DATE/TIME: 02-11-07
UNIT/SYSTEM:	CEMS U1
ANALYZER, MONITOR, COMPONENT SERVICED:	O2 analyzer

AS FOUND PROBLEM/CONDITION
(ALL DETAILS INCLUDING ALARMS ACTIVATED, ANALYZER VALUES, ETC.):

Yellow alarm on the O2. When try to calibrate the O2 didn't goes to Ø

CORRECTIVE ACTION TAKEN
(INCLUDE ALL TESTS/CHECKS PERFORMED ANDRESULTS):

Clean the line that goes to the sample condition.

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Run Calibration and passed

FIGURE 10-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CORRECTIVE ACTION REPORT FORM

DATE: 02-12-07	INITIALS: G.D.
MALFUNCTION START DATE/TIME: 02-12-07	MALFUNCTION END DATE/TIME: 02-12-07
UNIT/SYSTEM:	O^2 U1
ANALYZER, MONITOR, COMPONENT SERVICED:	O^2 analyzer

AS FOUND PROBLEM/CONDITION
(ALL DETAILS INCLUDING ALARMS ACTIVATED, ANALYZER VALUES, ETC.):

Red alarm on O2 analyzer. fail
Span 13.8 & zero 5.7.
Apparently leak

CORRECTIVE ACTION TAKEN
(INCLUDE ALL TESTS/CHECKS PERFORMED ANDRESULTS):

Verify the lines and tight terminals

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Run zero and span calibration
passed

FIGURE 10-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CORRECTIVE ACTION REPORT FORM

DATE: 02-14-07	INITIALS: G.D.
MALFUNCTION START DATE/TIME: 2/14/07 7:32 AM	MALFUNCTION END DATE/TIME: 2/14/07 9:53 AM
UNIT/SYSTEM:	U2
ANALYZER, MONITOR, COMPONENT SERVICED:	Opacity Monitor

AS FOUND PROBLEM/CONDITION
(ALL DETAILS INCLUDING ALARMS ACTIVATED, ANALYZER VALUES, ETC.):

Opacity monitor Alarm in Red. Dirty alarm on system

CORRECTIVE ACTION TAKEN
(INCLUDE ALL TESTS/CHECKS PERFORMED ANDRESULTS):

Clean the lens

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

The system calibrate automaticaly and passed the calibration and erase the alarm

FIGURE 10-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CORRECTIVE ACTION REPORT FORM

DATE: 3/12/07	INITIALS: MA
MALFUNCTION START DATE/TIME: 3/11/07 4:57am	MALFUNCTION END DATE/TIME: 3/12/07 4:36 am
UNIT/SYSTEM:	Unit #1
ANALYZER, MONITOR, COMPONENT SERVICED:	NDx analyzer

AS FOUND PROBLEM/CONDITION
(ALL DETAILS INCLUDING ALARMS ACTIVATED, ANALYZER VALUES, ETC.):

NDx analyzer found in alarm do to cooler temperature above normal. It was alarming ON and OFF since 3/11/07 at 4:57am. alarm condition stay ON at 1:53am on 3/12/07. Analyzer was placed out of service at 4:28am and placed back in service at 4:36am.

CORRECTIVE ACTION TAKEN
(INCLUDE ALL TESTS/CHECKS PERFORMED ANDRESULTS):

Analyzer problem was troubleshooted and found to be dirt on heat dissipator. Analyzer and equipment cabinets filters were cleaned.

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Analyzer alarm condition cleared after it cool down. Analyzer is working properly.

FIGURE 10-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CORRECTIVE ACTION REPORT FORM

DATE: 12 March 07	INITIALS: RMK
MALFUNCTION START DATE/TIME: 12 March 07 600	MALFUNCTION END DATE/TIME:
2 UNIT/SYSTEM:	
ANALYZER, MONITOR, COMPONENT SERVICED:	

AS FOUND PROBLEM/CONDITION
(ALL DETAILS INCLUDING ALARMS ACTIVATED, ANALYZER VALUES, ETC.):

Unit #2 Cem: Problem with Sample Line.
Sample Line plugged.

CORRECTIVE ACTION TAKEN
(INCLUDE ALL TESTS/CHECKS PERFORMED ANDRESULTS):

Vacuum Pump Replaced, Sample Line Cleaned.
System Back in Service.

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Alarm cleared, after PM performed.

FIGURE 10-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CORRECTIVE ACTION REPORT FORM

DATE: 13 March 07	INITIALS: RMR
MALFUNCTION START DATE/TIME: 13 March 07	MALFUNCTION END DATE/TIME: 13 March 07
2 UNIT/SYSTEM:	
ANALYZER, MONITOR, COMPONENT SERVICED:	Cem.

AS FOUND PROBLEM/CONDITION
(ALL DETAILS INCLUDING ALARMS ACTIVATED, ANALYZER VALUES, ETC.):

O_2 and CO_2 failed Calibration due to Sample Line plugged.

RMR

CORRECTIVE ACTION TAKEN
(INCLUDE ALL TESTS/CHECKS PERFORMED ANDRESULTS):

Sample Line cleaned. CO_2 Calibrated. passed Cal.

RMR

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Instrument back in Service

RMR

FIGURE 10-1