AES Puerto Rico

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CAPS
TFP
FC

April 25, 2008

VIA UPS

Mr. Kenneth Eng
Chief, Air Compliance Branch
Division of Enforcement and Compliance Assistance
U.S. Environmental Protection Agency
Region 2
290 Broadway – 21st 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 2008 – CEMS Report

Dear Mr. Eng:

Enclosed is a copy of the AES Puerto Rico, LP CEMS Quarterly Report for the 1st Quarter 2008. 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. b

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

If you have any questions, please contact Carlos M. Gonzalez at (787) 866-8117 ext. 239.

Sincerely,

Allan B. Dyer
President

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

AES PUERTO RICO, LP

Q1 2008

CONTINUOUS EMISSIONS MONITORING

SYSTEM REPORT

AES
Puerto Rico

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AES
Puerto Rico

Excess Emissions and Malfunction Events Summary

Unit 1

Opacity Excess Emissions Report
AES Puerto Rico
Unit #1

Opacity Excess Emission Limit: 20.0 %

Today's Date: 04/17/2008
Time: 15:27:53

Reporting Period
01/01/2008 - 03/31/2008

Date	Time	ID	Value	Reason / Action / Comment
01/09/2008	0348	OPACITY1	27.200%	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: the opacimeter was found out of calibration
02/18/2008	0554	OPACITY1	55.100%	R: MONITOR SYSTEM TROUBLE C: opacity going to 56.6 still closed all rotary
02/18/2008	0600	OPACITY1	57.100%	R: MONITOR SYSTEM TROUBLE A: NOTIFIED ELECTRIC SHOP C: going to 56.6 still closes all rotary valve
02/27/2008	0242	OPACITY1	27.600%	R: PRECIPITATOR TROUBLE A: NOTIFIED BTO C: The TR 1-11 trip on overspark, High Spark in the other trs
02/27/2008	0248	OPACITY1	80.600%	R: PRECIPITATOR TROUBLE A: NOTIFIED BTO C: The TR 1-11 tyrip on overspark, High sparks on the other TRs
02/27/2008	0254	OPACITY1	29.400%	R: PRECIPITATOR TROUBLE A: NOTIFIED BTO C: The TR 1-11 trip on overspark, High sparks at other TRs
02/28/2008	0554	OPACITY1	55.200%	R: MONITOR SYSTEM TROUBLE A: NOTIFIED BTO C: From 5:57 AM to 6:08 AM = 56 % steady. Calibrated at CEMS.
02/28/2008	0600	OPACITY1	56.300%	R: MONITOR SYSTEM TROUBLE C: From 5:57 AM to 6:08 AM = 56 % steady. Calibrated at CEMS.
03/01/2008	1112	OPACITY1	56.400%	R: PRECIPITATOR TROUBLE A: NOTIFIED BTO C: TR 1-11 tripped on overspark
03/01/2008	1118	OPACITY1	28.500%	R: PRECIPITATOR TROUBLE C: TR 11 tripped by overspark
03/01/2008	1148	OPACITY1	35.000%	R: PRECIPITATOR TROUBLE C: TR 1-11 tripped by overspark
03/01/2008	1154	OPACITY1	53.300%	R: PRECIPITATOR TROUBLE C: TR 1-11 tripped by overspark
03/18/2008	1000	OPACITY1	57.300%	R: PRECIPITATOR TROUBLE

				C: PROBLEMS WITH TR 11
03/18/2008	1006	OPACITY1	41.300%	R: PRECIPITATOR TROUBLE C: PROBLEM WITH TR 11
03/18/2008	1106	OPACITY1	29.200%	R: PRECIPITATOR TROUBLE C: PROBLEM WITH TR 11
03/21/2008	0154	OPACITY1	28.600%	R: PRECIPITATOR TROUBLE A: NOTIFIED CONTROLS SHOP C: TR 11 FAILURE
03/21/2008	0200	OPACITY1	37.000%	R: PRECIPITATOR TROUBLE C: TR 11 FAILURE

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

Today's Date: 04/18/2008
Time: 15:14:14

Reporting Period
01/01/2008 - 03/31/2008

Date	Time	ID	Value		Reason / Action / Comment
03/15/2008	1300	CO1_8HR	111	ppmvd	R: MONITOR SYSTEM TROUBLE C: Sample lines plugged.
03/15/2008	1300	CO1_8HR_RT	0.12	lb/mmBtu	R: MONITOR SYSTEM TROUBLE C: Sample lines plugged.
03/15/2008	1400	CO1_8HR	104	ppmvd	R: MONITOR SYSTEM TROUBLE C: Sample lines plugged.
03/15/2008	1400	CO1_8HR_RT	0.11	lb/mmBtu	R: MONITOR SYSTEM TROUBLE C: Sample lines plugged.
03/15/2008	1500	CO1_8HR	97	ppmvd	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: Sample lines plugged.
03/15/2008	1600	CO1_8HR	97	ppmvd	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: Sample lines plugged.
03/15/2008	1700	CO1_8HR	97	ppmvd	R: MONITOR SYSTEM TROUBLE C: Sample lines plugged.
03/15/2008	1800	CO1_8HR	97	ppmvd	R: MONITOR SYSTEM TROUBLE C: Sample lines plugged
03/23/2008	2000	CO1_8HR	112	ppmvd	R: SHUTDOWN/UNIT TRIP A: REDUCE LOAD C: Unit on shutdown to repair hot spot
03/23/2008	2000	CO1_8HR_RT	0.12	lb/mmBtu	R: SHUTDOWN/UNIT TRIP C: Unit on shutdown to repair hot spot
03/23/2008	2100	CO1_8HR	140	ppmvd	R: SHUTDOWN/UNIT TRIP C: Unit on shutdown to repair hot spot
03/23/2008	2100	CO1_8HR_RT	0.15	lb/mmBtu	R: SHUTDOWN/UNIT TRIP C: Unit on shutdown to repair hot

					spot
03/23/2008	2200	CO1_8HR	170	ppmvd	R: SHUTDOWN/UNIT TRIP C: Unit on shutdown to repair hot spot
03/23/2008	2200	CO1_8HR_RT	0.18	lb/mmBtu	R: SHUTDOWN/UNIT TRIP C: Unit on shutdown to repair hot spot
03/23/2008	2300	SO2_3HR	15.40	ppmvd	R: SHUTDOWN/UNIT TRIP C: Unit on shutdown to repair hot spot
03/23/2008	2300	SO2_3HR_RT	0.037	lb/mmBtu	R: SHUTDOWN/UNIT TRIP C: Unit on shutdown to repair hot spot
03/23/2008	2300	CO1_8HR	225	ppmvd	R: SHUTDOWN/UNIT TRIP C: Unit on shutdown to repair hot spot
03/23/2008	2300	CO1_8HR_RT	0.24	lb/mmBtu	R: SHUTDOWN/UNIT TRIP C: Unit on shutdown to repair hot spot
03/29/2008	1200	CO1_8HR	176	ppmvd	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on start up
03/29/2008	1200	CO1_8HR_RT	0.19	lb/mmBtu	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up
03/29/2008	1200	CO1_8HR_ME	250.8	lb/hr	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up
03/29/2008	1300	CO1_8HR	174	ppmvd	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up
03/29/2008	1300	CO1_8HR_RT	0.19	lb/mmBtu	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up
03/29/2008	1300	CO1_8HR_ME	253.3	lb/hr	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up
03/29/2008	1400	CO1_8HR	169	ppmvd	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up
03/29/2008	1400	CO1_8HR_RT	0.18	lb/mmBtu	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up
03/29/2008	1500	CO1_8HR	160	ppmvd	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up
03/29/2008	1500	CO1_8HR_RT	0.17	lb/mmBtu	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up

03/29/2008	1600	CO1_8HR	149	ppmvd	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up
03/29/2008	1600	CO1_8HR_RT	0.16	lb/mmBtu	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up
03/29/2008	1700	CO1_8HR	137	ppmvd	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up
03/29/2008	1700	CO1_8HR_RT	0.15	lb/mmBtu	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up
03/29/2008	1800	CO1_8HR	123	ppmvd	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up
03/29/2008	1800	CO1_8HR_RT	0.13	lb/mmBtu	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up
03/29/2008	1900	CO1_8HR	111	ppmvd	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up
03/29/2008	1900	CO1_8HR_RT	0.12	lb/mmBtu	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up
03/29/2008	2000	CO1_8HR	100	ppmvd	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up
03/29/2008	2000	CO1_8HR_RT	0.11	lb/mmBtu	R: STARTUP A: NOTIFIED CONTROLS SHOP C: Unit on Start up

AES
Puerto Rico

Excess Emissions and Malfunction Events Summary

Unit 2

Opacity Excess Emissions Report
AES Puerto Rico
Unit #2

Opacity Excess Emission Limit: 20.0 %

Today's Date: 04/17/2008
Time: 15:31:47

Reporting Period
01/01/2008 - 03/31/2008

Date	Time	ID	Value	Reason / Action / Comment
01/29/2008	1354	OPACITY2	57.100%	R: SHUTDOWN/UNIT TRIP A: NOTIFIED ELECTRIC SHOP C: F.A. blower trouble-Unit down
01/29/2008	1400	OPACITY2	76.200%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1406	OPACITY2	68.700%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1412	OPACITY2	61.300%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1418	OPACITY2	65.000%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1424	OPACITY2	64.600%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1430	OPACITY2	50.100%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1436	OPACITY2	43.600%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1442	OPACITY2	36.800%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1448	OPACITY2	32.200%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1500	OPACITY2	29.300%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1506	OPACITY2	32.000%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1512	OPACITY2	33.200%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1518	OPACITY2	32.800%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1524	OPACITY2	35.900%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1530	OPACITY2	36.400%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1536	OPACITY2	37.300%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down

01/29/2008	1542	OPACITY2	34.300%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1548	OPACITY2	33.100%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1554	OPACITY2	31.700%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1600	OPACITY2	32.900%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1606	OPACITY2	31.700%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1612	OPACITY2	39.000%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1618	OPACITY2	41.000%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1624	OPACITY2	33.400%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1630	OPACITY2	30.700%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1642	OPACITY2	20.600%	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
02/29/2008	1224	OPACITY2	27.200%	R: SHUTDOWN/UNIT TRIP C: Turbine Trip due D/A Level.
02/29/2008	1318	OPACITY2	41.100%	R: SHUTDOWN/UNIT TRIP C: Turbine Trip due D/A Level.
02/29/2008	1324	OPACITY2	37.600%	R: SHUTDOWN/UNIT TRIP C: Turbine Trip due D/A Level.
02/29/2008	1330	OPACITY2	67.900%	R: SHUTDOWN/UNIT TRIP C: Turbine Trip due D/A Level.
02/29/2008	1336	OPACITY2	49.700%	R: SHUTDOWN/UNIT TRIP C: Turbine Trip due D/A Level.
02/29/2008	1342	OPACITY2	35.600%	R: SHUTDOWN/UNIT TRIP C: Turbine Trip due D/A Level.
02/29/2008	1354	OPACITY2	24.900%	R: SHUTDOWN/UNIT TRIP C: Turbine Trip due D/A Level.
02/29/2008	1618	OPACITY2	22.800%	R: STARTUP C: Turbine Trip due D/A Level.
02/29/2008	1624	OPACITY2	29.700%	R: STARTUP C: Turbine Trip due D/A Level.
02/29/2008	1630	OPACITY2	35.200%	R: STARTUP C: Turbine Trip due D/A Level.
02/29/2008	1636	OPACITY2	41.300%	R: STARTUP C: Turbine Trip due D/A Level.

02/29/2008	1642	OPACITY2	49.100%	R: STARTUP C: Turbine Trip due D/A Level.
02/29/2008	1648	OPACITY2	54.300%	R: STARTUP C: Turbine Trip due D/A Level.
02/29/2008	1654	OPACITY2	56.900%	R: STARTUP C: Turbine Trip due D/A Level.
02/29/2008	1700	OPACITY2	59.900%	R: STARTUP C: Turbine Trip due D/A Level.
02/29/2008	1706	OPACITY2	33.800%	R: STARTUP C: Turbine Trip due D/A Level.
03/08/2008	1554	OPACITY2	28.900%	R: PRECIPITATOR TROUBLE C: TR's 7 & 12 sparking
03/10/2008	0918	OPACITY2	21.000%	R: PRECIPITATOR TROUBLE A: REDUCE LOAD C: Problems with the precipitator s ystem
03/10/2008	1148	OPACITY2	21.600%	R: PRECIPITATOR TROUBLE A: REDUCE LOAD C: Problems with the precipitator
03/29/2008	1842	OPACITY2	29.800%	R: MONITOR SYSTEM TROUBLE A: REDUCE LOAD C: The opacity monitor started show ing bad indications
03/30/2008	0306	OPACITY2	24.900%	R: PRECIPITATOR TROUBLE C: Low CDS Temperature; TR's & ESP Verified & Monitor resetted.
03/30/2008	0312	OPACITY2	28.700%	R: PRECIPITATOR TROUBLE C: Low CDS Temperature; TR's & ESP Verified & Monitor resetted.
03/30/2008	0318	OPACITY2	28.300%	R: PRECIPITATOR TROUBLE C: Low CDS Temperature; TR's & ESP Verified & Monitor resetted.
03/30/2008	0324	OPACITY2	26.300%	R: PRECIPITATOR TROUBLE A: REDUCE LOAD C: Low CDS Temperature; TR's & ESP Verified & Monitor resetted.
03/30/2008	0330	OPACITY2	20.800%	R: PRECIPITATOR TROUBLE C: Low CDS Temperature; TR's & ESP Verified & Monitor resetted.

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

Today's Date: 04/18/2008
Time: 14:27:19

Reporting Period
01/01/2008 - 03/31/2008

Date	Time	ID	Value	Reason / Action / Comment
01/29/2008	1700	SO2_3HR	25.50 ppmvd	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	1700	SO2_3HR_RT	0.062 lb/mmBtu	R: SHUTDOWN/UNIT TRIP C: F.A. blower trouble-Unit down
01/29/2008	2200	CO1_8HR	127 ppmvd	R: STARTUP A: NOTIFIED BTO C: Unit Start Up (Unit FA Blower T rip)
01/29/2008	2200	CO1_8HR_RT	0.14 lb/mmBtu	R: STARTUP C: Unit Start Up (Unit FA Blower Trip)
01/29/2008	2300	CO1_8HR	95 ppmvd	R: STARTUP C: Unit Start Up (Unit FA Blower T rip)
03/27/2008	1100	SO2_3HR	20.50 ppmvd	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: The system was under maintenace due to pump problems
03/27/2008	1100	SO2_3HR_RT	0.050 lb/mmBtu	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: The system was under maintenace due to pump problems
03/27/2008	1100	NOX_24HR	58 ppmvd	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: The system was under maintenance due to pump problems
03/27/2008	1200	SO2_3HR	17.10 ppmvd	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: The system was under maintenance due to pump problems
03/27/2008	1200	SO2_3HR_RT	0.042 lb/mmBtu	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: The system was under maintenance

					due to pump problems
03/27/2008	1300	SO2_3HR	14.80	ppmvd	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: The system was under maintenance due to pump problems
03/27/2008	1300	SO2_3HR_RT	0.036	lb/mmBtu	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: The system was under maintenance due to pump problems
03/28/2008	0700	NOX_24HR	59	ppmvd	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: The system was under maintenance due to pump problems
03/28/2008	0800	NOX_24HR	61	ppmvd	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: The system was under maintenance due to pump problems
03/28/2008	0800	NOX_24HR_RT	0.11	lb/mmBtu	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: The system was under maintenance due to pump problems
03/28/2008	0900	NOX_24HR	61	ppmvd	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: The system was under maintenance due to pump problems
03/28/2008	0900	NOX_24HR_RT	0.11	lb/mmBtu	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: The system was under maintenance due to pump problems
03/28/2008	1000	NOX_24HR	61	ppmvd	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: The system was under maintenance due to pump problems
03/28/2008	1000	NOX_24HR_RT	0.11	lb/mmBtu	R: MONITOR SYSTEM TROUBLE A: NOTIFIED CONTROLS SHOP C: The system was under maintenance due to pump problems

AES
Puerto Rico

Monitoring System Performance
Monitor Downtime

Unit 1

Monitor Downtime Report
AES Puerto Rico
Unit #1
OPACITY

Report for 01/01/2008 to 03/31/2008
Today's Date: 04/17/2008

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	492	0.38
d. Other Known Causes	240	0.18
e. Unknown Causes	6	0.00
Total CMS Downtime	738	0.57

Total Online Operating Time in Minutes	129786
[Total CMS Downtime] x 100 / [Total source operating time]. (%)	0.57

B. Excess Emissions Summary

1. Number of 6 Minute Averages	21631
2. Number of 6 Minute Averages in Excess of Limit	17

3. Reasons for Excess Emissions Based on 6 Minute Rolling Average	Duration (Minutes)	% E.E. Time To Operating Time
I. Startup / Shutdown	0	0.00
II. Control Equipment Malfunction	0	0.00
III. Process Malfunction	0	0.00
IV. Unknown Causes	0	0.00
V. Other Known Causes	102	0.08
TOTAL	102	

Total Monitored Facility Operating Minutes	129048
Total duration of excess emissions x 100 / [Total source operating time]. (%)	0.08

Monitor Span Exceedance Summary for OPACITY

Instrument Span: 80
Span Range Exceedances

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Monitor Downtime Report
AES Puerto Rico
Unit #1
SO2

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Report for 01/01/2008 to 03/31/2008
Today's Date: 04/17/2008

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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	2072.25
[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	1.00	0.05
e. Unknown Causes	0.00	0.00
Total duration of excess emission	1.00	0.05

Total Monitored Operating Hours in Period	2072.25
Total duration of excess emissions x 100 / [Total source operating time]. (%)	0.05

Monitor Span Exceedance Summary for SO2

Instrument Span: 50

Low Range Exceedances
Instrument Low Range: 20

DATE	HOUR
03/28/2008	22
03/28/2008	23
03/29/2008	0
03/29/2008	1
03/29/2008	2

Monitor Downtime Report
AES Puerto Rico
Unit #1
NOX

Report for 01/01/2008 to 03/31/2008
Today's Date: 04/17/2008

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	2072.25
[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	2072.25
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.

Monitor Downtime Report
AES Puerto Rico
Unit #1
CO

Report for 01/01/2008 to 03/31/2008
Today's Date: 04/17/2008

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	2072.25
[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	9.00	0.43
b. Control Equipment Malfunction	0.00	0.00
c. Process Problems	0.00	0.00
d. Other Known Causes	10.00	0.48
e. Unknown Causes	0.00	0.00
Total duration of excess emission	19.00	0.92

Total Monitored Operating Hours in Period	2072.25
Total duration of excess emissions x 100 / [Total source operating time]. (%)	0.92

Monitor Span Exceedance Summary for CO

Instrument Span: 1000

Low Range Exceedances
Instrument Low Range: 200

DATE	HOUR
03/15/2008	12
03/15/2008	13
03/23/2008	23

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

Monitor Downtime Report
AES Puerto Rico
Unit #1
FLO

Report for 01/01/2008 to 03/31/2008
Today's Date: 04/17/2008

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	2072.25
[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	2072.25
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.

AES
Puerto Rico

Monitoring System Performance
Monitor Downtime

Unit 2

Monitor Downtime Report
AES Puerto Rico
Unit #2
OPACITY

Report for 01/01/2008 to 03/31/2008
Today's Date: 04/18/2008

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	624	0.48
d. Other Known Causes	0	0.00
e. Unknown Causes	12	0.01
Total CMS Downtime	636	0.49

Total Online Operating Time in Minutes	131040
[Total CMS Downtime] x 100 / [Total source operating time]. (%)	0.49

B. Excess Emissions Summary

1. Number of 6 Minute Averages	21840
2. Number of 6 Minute Averages in Excess of Limit	52

3. Reasons for Excess Emissions Based on 6 Minute Rolling Average	Duration (Minutes)	% E.E. Time To Operating Time
I. Startup / Shutdown	258	0.20
II. Control Equipment Malfunction	0	0.00
III. Process Malfunction	0	0.00
IV. Unknown Causes	0	0.00
V. Other Known Causes	54	0.04
TOTAL	312	

Total Monitored Facility Operating Minutes	130404
Total duration of excess emissions x 100 / [Total source operating time]. (%)	0.24

Monitor Span Exceedance Summary for OPACITY

Instrument Span: 80

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

Monitor Downtime Report
AES Puerto Rico
Unit #2
NOX

Report for 01/01/2008 to 03/31/2008
Today's Date: 04/18/2008

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	2181.75
[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	5.00	0.23
e. Unknown Causes	0.00	0.00
Total duration of excess emission	5.00	0.23

Total Monitored Operating Hours in Period	2181.75
Total duration of excess emissions x 100 / [Total source operating time]. (%)	0.23

Monitor Span Exceedance Summary for NOX

Instrument Span: 200

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

Monitor Downtime Report
AES Puerto Rico
Unit #2
CO

Report for 01/01/2008 to 03/31/2008
Today's Date: 04/18/2008

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	2181.75
[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	2.00	0.09
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	2.00	0.09

Total Monitored Operating Hours in Period	2181.75
Total duration of excess emissions x 100 / [Total source operating time]. (%)	0.09

Monitor Span Exceedance Summary for CO

Instrument Span: 1000

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

Monitor Downtime Report
AES Puerto Rico
Unit #2
FLO

Report for 01/01/2008 to 03/31/2008
Today's Date: 04/18/2008

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	2181.75
[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	2181.75
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.

AES
Puerto Rico

Daily Excess Emissions Report
30 Days Rolling Average

Unit 1 & Unit 2

30 Day Rolling Averages Report
AES Puerto Rico
Unit #1

Date and Time Report Generated:
04/18/2008 12:13:12

Reporting Period
Start: 01/01/2008
End : 03/31/2008

		SO2				NOX			
DATE	OP HOURS DAY	DAILY AVERAGE lb/mmBtu	VALID HOURS DAY	30-DAY AVERAGE lb/mmBtu	VALID DAYS	DAILY AVERAGE lb/mmBtu	VALID HOURS DAY	30-DAY AVERAGE lb/mmBtu	VALID DAYS
01/01/2008	24	0.012	24	0.013	30	0.092	24	0.090	30
01/02/2008	24	0.015	24	0.013	30	0.088	24	0.090	30
01/03/2008	24	0.013	24	0.013	30	0.094	24	0.090	30
01/04/2008	24	0.015	24	0.013	30	0.095	24	0.090	30
01/05/2008	24	0.015	24	0.013	30	0.091	24	0.090	30
01/06/2008	24	0.016	24	0.013	30	0.090	24	0.090	30
01/07/2008	24	0.016	24	0.013	30	0.088	24	0.090	30
01/08/2008	24	0.015	24	0.013	30	0.091	24	0.090	30
01/09/2008	24	0.016	24	0.013	30	0.095	24	0.090	30
01/10/2008	24	0.015	24	0.013	30	0.095	24	0.090	30
01/11/2008	24	0.016	24	0.013	30	0.097	24	0.090	30
01/12/2008	24	0.015	24	0.013	30	0.090	24	0.090	30
01/13/2008	24	0.015	24	0.014	30	0.094	24	0.090	30
01/14/2008	24	0.015	24	0.014	30	0.091	24	0.090	30
01/15/2008	24	0.016	24	0.014	30	0.092	24	0.090	30
01/16/2008	24	0.015	24	0.014	30	0.092	24	0.090	30
01/17/2008	24	0.015	24	0.014	30	0.089	24	0.090	30
01/18/2008	24	0.015	24	0.014	30	0.091	24	0.090	30
01/19/2008	24	0.015	24	0.014	30	0.083	24	0.090	30
01/20/2008	24	0.015	24	0.014	30	0.080	24	0.090	30
01/21/2008	24	0.015	24	0.014	30	0.078	24	0.090	30
01/22/2008	24	0.015	24	0.014	30	0.090	24	0.090	30
01/23/2008	24	0.015	24	0.014	30	0.093	24	0.090	30
01/24/2008	24	0.015	24	0.015	30	0.091	24	0.090	30
01/25/2008	24	0.016	23	0.015	30	0.089	23	0.090	30
01/26/2008	24	0.015	24	0.015	30	0.089	24	0.090	30
01/27/2008	24	0.016	24	0.015	30	0.090	24	0.090	30
01/28/2008	24	0.016	24	0.015	30	0.086	24	0.090	30
01/29/2008	24	0.015	24	0.015	30	0.091	24	0.090	30
01/30/2008	24	0.015	24	0.015	30	0.094	24	0.090	30
01/31/2008	24	0.015	24	0.015	30	0.091	24	0.090	30
02/01/2008	24	0.016	24	0.015	30	0.086	24	0.090	30
02/02/2008	24	0.016	24	0.015	30	0.088	24	0.090	30
02/03/2008	24	0.016	24	0.015	30	0.082	24	0.090	30
02/04/2008	24	0.016	24	0.015	30	0.078	24	0.090	30
02/05/2008	24	0.015	24	0.015	30	0.093	24	0.090	30
02/06/2008	24	0.015	24	0.015	30	0.093	24	0.090	30
02/07/2008	24	0.016	24	0.015	30	0.089	24	0.090	30
02/08/2008	24	0.014	24	0.015	30	0.095	24	0.090	30
02/09/2008	24	0.015	24	0.015	30	0.095	24	0.090	30
02/10/2008	24	0.016	24	0.015	30	0.095	24	0.090	30
02/11/2008	24	0.015	24	0.015	30	0.096	24	0.090	30
02/12/2008	24	0.016	24	0.015	30	0.095	24	0.090	30
02/13/2008	24	0.016	24	0.015	30	0.093	24	0.090	30
02/14/2008	24	0.017	24	0.015	30	0.087	24	0.090	30
02/15/2008	24	0.015	24	0.015	30	0.098	24	0.090	30
02/16/2008	24	0.015	24	0.015	30	0.094	24	0.090	30
02/17/2008	24	0.016	24	0.015	30	0.096	24	0.090	30

02/18/2008	24	0.016	24	0.015	30	0.096	24	0.090	30
02/19/2008	24	0.016	24	0.015	30	0.091	24	0.090	30
02/20/2008	24	0.016	24	0.015	30	0.093	24	0.090	30
02/21/2008	24	0.016	24	0.016	30	0.094	24	0.090	30
02/22/2008	24	0.016	24	0.016	30	0.094	24	0.090	30
02/23/2008	24	0.014	24	0.015	30	0.093	24	0.090	30
02/24/2008	24	0.013	24	0.015	30	0.090	24	0.090	30
02/25/2008	24	0.015	24	0.015	30	0.094	24	0.090	30
02/26/2008	24	0.015	24	0.015	30	0.096	24	0.090	30
02/27/2008	24	0.016	24	0.015	30	0.090	24	0.090	30
02/28/2008	24	0.015	24	0.015	30	0.095	24	0.090	30
02/29/2008	24	0.016	24	0.015	30	0.095	24	0.090	30
03/01/2008	24	0.016	24	0.015	30	0.090	24	0.090	30
03/02/2008	24	0.014	24	0.015	30	0.091	24	0.090	30
03/03/2008	24	0.014	24	0.015	30	0.088	24	0.090	30
03/04/2008	24	0.015	24	0.015	30	0.092	24	0.090	30
03/05/2008	24	0.015	24	0.015	30	0.090	24	0.090	30
03/06/2008	24	0.015	24	0.015	30	0.094	24	0.090	30
03/07/2008	24	0.015	24	0.015	30	0.092	24	0.090	30
03/08/2008	24	0.016	24	0.015	30	0.095	24	0.090	30
03/09/2008	24	0.014	24	0.015	30	0.091	24	0.090	30
03/10/2008	24	0.015	24	0.015	30	0.092	24	0.090	30
03/11/2008	24	0.015	24	0.015	30	0.090	24	0.090	30
03/12/2008	24	0.015	24	0.015	30	0.092	24	0.090	30
03/13/2008	24	0.016	24	0.015	30	0.095	24	0.090	30
03/14/2008	24	0.016	24	0.015	30	0.093	24	0.090	30
03/15/2008	24	0.016	22	0.015	30	0.096	22	0.090	30
03/16/2008	24	0.015	24	0.015	30	0.094	24	0.090	30
03/17/2008	24	0.016	24	0.015	30	0.094	24	0.090	30
03/18/2008	24	0.015	23	0.015	30	0.093	23	0.090	30
03/19/2008	24	0.017	21	0.015	30	0.095	21	0.090	30
03/20/2008	24	0.016	24	0.015	30	0.095	24	0.090	30
03/21/2008	24	0.015	24	0.015	30	0.095	24	0.090	30
03/22/2008	24	0.014	24	0.015	30	0.091	24	0.090	30
03/23/2008	23	0.000	0	0.015	30	0.000	0	0.090	30
03/24/2008	0	0.000	0	0.015	30	0.000	0	0.090	30
03/25/2008	0	0.000	0	0.015	30	0.000	0	0.090	30
03/26/2008	0	0.000	0	0.015	30	0.000	0	0.090	30
03/27/2008	0	0.000	0	0.015	30	0.000	0	0.090	30
03/28/2008	8	0.000	0	0.015	30	0.000	0	0.090	30
03/29/2008	24	0.011	19	0.015	30	0.079	19	0.090	30
03/30/2008	24	0.015	24	0.015	30	0.094	24	0.090	30
03/31/2008	24	0.014	24	0.015	30	0.095	24	0.090	30

Fuel Factors used in calculations:

	Fc	Fd
Coal	1800	9780
Oil	1420	9190

* indicates non-compliance

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Data Excluded from 30 Day Rolling Averges
Reporting Period: 01/01/2008 - 03/31/2008

DATE	HOUR	REASON
12/05/2007	0	STARTUP
12/05/2007	1	STARTUP
12/05/2007	2	STARTUP
12/05/2007	3	STARTUP
12/15/2007	0	STARTUP
12/15/2007	1	STARTUP
03/29/2008	0	STARTUP
03/29/2008	1	STARTUP

03/29/2008	2	STARTUP
03/29/2008	3	STARTUP
03/29/2008	4	STARTUP

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30 Day Excess Emissions Report
AES Puerto Rico
Unit #1

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Date and Time Report Generated:
04/18/2008 15:22:34

Reporting Period
Start: 01/01/2008
End : 03/31/2008

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 %

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30 Day Rolling Averages Report
AES Puerto Rico
Unit #2

Date and Time Report Generated:
04/18/2008 12:14:40

Reporting Period
Start: 01/01/2008
End : 03/31/2008

		SO2				NOX			
DATE	OP HOURS DAY	DAILY AVERAGE lb/mmBtu	VALID HOURS DAY	30-DAY AVERAGE lb/mmBtu	VALID DAYS	DAILY AVERAGE lb/mmBtu	VALID HOURS DAY	30-DAY AVERAGE lb/mmBtu	VALID DAYS
01/01/2008	24	0.016	24	0.015	29	0.090	24	0.090	29
01/02/2008	24	0.014	24	0.015	29	0.082	24	0.090	29
01/03/2008	24	0.015	24	0.015	29	0.094	24	0.090	29
01/04/2008	24	0.015	24	0.015	29	0.091	24	0.090	29
01/05/2008	24	0.016	24	0.015	29	0.074	24	0.090	29
01/06/2008	24	0.013	24	0.015	29	0.077	24	0.090	29
01/07/2008	24	0.014	24	0.015	29	0.081	24	0.090	29
01/08/2008	24	0.015	24	0.015	29	0.083	24	0.090	29
01/09/2008	24	0.014	23	0.015	29	0.090	23	0.090	29
01/10/2008	24	0.013	24	0.015	29	0.093	24	0.090	29
01/11/2008	24	0.015	24	0.015	29	0.092	24	0.090	29
01/12/2008	24	0.014	23	0.015	29	0.097	23	0.090	29
01/13/2008	24	0.014	24	0.015	29	0.095	24	0.090	29
01/14/2008	24	0.015	24	0.015	29	0.093	24	0.090	29
01/15/2008	24	0.012	24	0.015	30	0.098	24	0.090	30
01/16/2008	24	0.014	24	0.015	30	0.090	24	0.090	30
01/17/2008	24	0.015	24	0.014	30	0.090	24	0.090	30
01/18/2008	24	0.015	23	0.014	30	0.084	23	0.090	30
01/19/2008	24	0.014	24	0.014	30	0.075	24	0.090	30
01/20/2008	24	0.012	24	0.014	30	0.084	24	0.090	30
01/21/2008	24	0.013	24	0.014	30	0.083	24	0.090	30
01/22/2008	24	0.014	24	0.014	30	0.091	24	0.090	30
01/23/2008	24	0.011	24	0.014	30	0.085	24	0.090	30
01/24/2008	24	0.014	24	0.014	30	0.083	24	0.090	30
01/25/2008	24	0.015	22	0.014	30	0.093	22	0.090	30
01/26/2008	24	0.015	24	0.014	30	0.093	24	0.090	30
01/27/2008	24	0.015	23	0.014	30	0.089	23	0.090	30
01/28/2008	24	0.013	24	0.014	30	0.077	24	0.090	30
01/29/2008	23	0.000	0	0.014	30	0.000	0	0.090	30
01/30/2008	24	0.013	24	0.014	30	0.090	24	0.090	30
01/31/2008	24	0.013	24	0.014	30	0.088	24	0.090	30
02/01/2008	24	0.014	24	0.014	30	0.083	24	0.090	30
02/02/2008	24	0.015	24	0.014	30	0.076	24	0.090	30
02/03/2008	24	0.015	24	0.014	30	0.073	24	0.090	30
02/04/2008	24	0.015	24	0.014	30	0.070	24	0.090	30
02/05/2008	24	0.014	24	0.014	30	0.082	24	0.090	30
02/06/2008	24	0.013	24	0.014	30	0.082	24	0.090	30
02/07/2008	24	0.014	24	0.014	30	0.080	24	0.090	30
02/08/2008	24	0.015	24	0.014	30	0.080	24	0.090	30
02/09/2008	24	0.014	24	0.014	30	0.086	24	0.090	30
02/10/2008	24	0.016	24	0.014	30	0.087	24	0.090	30
02/11/2008	24	0.014	24	0.014	30	0.089	24	0.090	30
02/12/2008	24	0.015	24	0.014	30	0.092	24	0.090	30
02/13/2008	24	0.015	24	0.014	30	0.091	24	0.090	30
02/14/2008	24	0.016	23	0.014	30	0.092	23	0.090	30
02/15/2008	24	0.016	24	0.014	30	0.096	24	0.090	30
02/16/2008	24	0.015	24	0.014	30	0.094	24	0.090	30
02/17/2008	24	0.016	24	0.014	30	0.094	24	0.090	30
02/18/2008	24	0.016	24	0.014	30	0.095	24	0.090	30

02/19/2008	24	0.015	24	0.014	30	0.095	24	0.090	30
02/20/2008	24	0.016	24	0.014	30	0.094	24	0.090	30
02/21/2008	24	0.016	24	0.015	30	0.092	24	0.090	30
02/22/2008	24	0.015	24	0.015	30	0.091	24	0.090	30
02/23/2008	24	0.015	24	0.015	30	0.095	24	0.090	30
02/24/2008	24	0.015	24	0.015	30	0.090	24	0.090	30
02/25/2008	24	0.016	24	0.015	30	0.093	24	0.090	30
02/26/2008	24	0.016	24	0.015	30	0.096	24	0.090	30
02/27/2008	24	0.015	24	0.015	30	0.093	24	0.090	30
02/28/2008	24	0.016	24	0.015	30	0.093	24	0.090	30
02/29/2008	21	0.000	0	0.015	30	0.000	0	0.090	30
03/01/2008	24	0.014	24	0.015	30	0.075	24	0.090	30
03/02/2008	24	0.014	24	0.015	30	0.093	24	0.090	30
03/03/2008	24	0.016	24	0.015	30	0.090	24	0.090	30
03/04/2008	24	0.015	24	0.015	30	0.097	24	0.090	30
03/05/2008	24	0.015	24	0.015	30	0.094	24	0.090	30
03/06/2008	24	0.015	24	0.015	30	0.090	24	0.090	30
03/07/2008	24	0.016	24	0.015	30	0.089	24	0.090	30
03/08/2008	24	0.015	24	0.015	30	0.088	24	0.090	30
03/09/2008	24	0.015	24	0.015	30	0.096	24	0.090	30
03/10/2008	24	0.016	24	0.015	30	0.095	24	0.090	30
03/11/2008	24	0.014	24	0.015	30	0.095	24	0.090	30
03/12/2008	24	0.014	24	0.015	30	0.096	24	0.090	30
03/13/2008	24	0.016	24	0.015	30	0.096	24	0.090	30
03/14/2008	24	0.016	24	0.015	30	0.096	24	0.090	30
03/15/2008	24	0.016	24	0.015	30	0.098	24	0.090	30
03/16/2008	24	0.015	24	0.015	30	0.092	24	0.090	30
03/17/2008	24	0.016	20	0.015	30	0.094	20	0.090	30
03/18/2008	24	0.015	20	0.015	30	0.097	20	0.090	30
03/19/2008	24	0.013	23	0.015	30	0.096	23	0.090	30
03/20/2008	24	0.015	23	0.015	30	0.097	23	0.090	30
03/21/2008	24	0.015	24	0.015	30	0.095	24	0.090	30
03/22/2008	24	0.014	24	0.015	30	0.097	24	0.090	30
03/23/2008	24	0.016	24	0.015	30	0.096	24	0.090	30
03/24/2008	24	0.015	24	0.015	30	0.094	24	0.090	30
03/25/2008	24	0.016	24	0.015	30	0.094	24	0.090	30
03/26/2008	24	0.014	24	0.015	30	0.095	24	0.090	30
03/27/2008	24	0.016	20	0.015	30	0.073	19	0.090	30
03/28/2008	24	0.015	24	0.015	30	0.087	24	0.090	30
03/29/2008	24	0.015	24	0.015	30	0.091	24	0.090	30
03/30/2008	24	0.015	24	0.015	30	0.091	24	0.090	30
03/31/2008	24	0.015	23	0.015	30	0.091	23	0.090	30

Fuel Factors used in calculations:

	Fc	Fd
Coal	1800	9780
Oil	1420	9190

* indicates non-compliance

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Data Excluded from 30 Day Rolling Averges
Reporting Period: 01/01/2008 - 03/31/2008

DATE	HOUR	REASON
12/05/2007	0	STARTUP

==========

30 Day Excess Emissions Report
AES Puerto Rico
Unit #2

==========

Date and Time Report Generated:
04/17/2008 16:49:48

Reporting Period
Start: 01/01/2008
End : 03/31/2008

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

Q1'08 Coal Analytical Data

Unit 1 & Unit 2

INSPECTORATE

#167

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

Certificate :01-13477
Our Ref :5901-1
Slate :08018

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

VESSEL	: HARMEN 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	: JANUARY 02nd, 2008
QUANTITY	: 41,563.00 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 RUN	AS RECEIVED
EQUILIBRIUM MOISTURE	9.75 %	
SUPERFICIAL MOISTURE	2.50 %	

PROXIMATE ANALYSIS	
Total Moisture, pct. wt.	12.25
Ash, pct. wt.	9.29
Volatile matter, pct. wt	32.71
Fixed carbon, pct. wt	45.75
Sulphur, pct. wt.	0.67
Gross calorific value,Btu/Lb	11283

RESULTS BASED ON AVERAGE WEIGHTED COMPOSITE SAMPLE

MINERAL ANALYSIS OF ASH,% wt	IGNITED BASIS
Silica, SiO_2	60.24
Alumina,Al_2O_3	20.25
Titania,TiO_2	1.08
Ferric Oxide,Fe_2O_3	8.53
Lime, CaO	2.22

INSPECTORATE

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

Certificate :01-13477
Our Ref :5901-1
Slate :08018

VESSEL : HARMEN OLDENDORFF

ANALYSIS CERTIFICATE

Magnesia, MgO	2.26
Sodium Oxide,Na2O	0.53
Potassium Oxide, K2O	2.09
Phos. Pentoxide, P2O5	0.22
Sulfur Trioxide, SO3	2.15
Undetermined	0.43

HARDGROVE GRINDABILITY INDEX
HGI= 51 at 3.68 Percent of moisture

FUSION TEMPERATURE OF ASH (°C)	AS RUN REDUCING
Initial deformation temperature. IT	1219
Softening temperature, (H=W),ST	1289
Hemispherical temperature, (H=1/2W),HT	1355
Fluid temperature FT.	1413

	AS RECEIVED	DRY BASIS
FLUORINE (PPM)	53	60
ULTIMATE ANALYSIS		
Total moisture, pct. wt	12.25	
Carbon, pct. wt	64.59	73.61
Hydrogen, pct. wt	4.41	5.03
Nitrogen, pct. wt	1.17	1.33
Ash, pct. wt	9.29	10.59
Sulfur, pct. wt	0.67	0.76
Chlorine, pct. wt	0.04	0.04
Oxigen, pct. wt (by diff)	7.58	8.64

PUERTO BOLIVAR, COLOMBIA
January 06th, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

FORMATO SPAC REV. #2 11/04

#167

INSPECTORATE COLOMBIA LTDA.
Calle 77ª No. 74-172
Tel 3530564-3532550 Fax 3531364
Barranquilla – Colombia

Certificate Nbr.: 01-13477
Our Ref. : 5901-1
Slate : 08-018

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

VESSEL	:	HARMEN 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	:	JANUARY 02nd, 2008
QUANTITY	:	41,563.00 MT

ANALYSIS CERTIFICATE

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

Antimony Sb	:	3.77	ppm
Arsenic, As	:	0.76	ppm
Berylium, Be	:	1.10	ppm
Cadmium, Cd	:	1.43	ppm
Chromium Cr	:	11.75	ppm
Copper, Cu	:	7.05	ppm
Mercury, Hg	:	< 0.01	ppm
Molybdenum, Mo	:	3.22	ppm
Nickel, Ni	:	12.32	ppm
Selenium , Se	:	0.15	ppm
Lead, Pb	:	9.74	ppm
Vanadium, V	:	32.91	ppm
Zinc, Zn	:	18.16	ppm

Puerto Bolívar, Colombia
January 11th, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

FORMATO AC REV #2 11/04

#168

INSPECTORATE

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

Certificate :01-13480
Our Ref :5904-1
Slate :08019

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

VESSEL	: HARMEN OLDENDORFF
SHIPPER	: CERREJON C/O CMC COAL MARKETING COMPANY LTD.
CONSIGNEE	: AES PUERTO RICO, LP
PRODUCT	: STEAM COAL IN BULK
SELLER	: CERREJON C/O COAL MARKETING COMPANY LTD.
LOADING PORT	: PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	: LAS MAREAS HARBOR, PUERTO RICO
DATE	: JANUARY 06th, 2008
QUANTITY	: 41,610.00 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 RUN	AS RECEIVED
EQUILIBRIUM MOISTURE	8.78 %	
SUPERFICIAL MOISTURE	3.11 %	

PROXIMATE ANALYSIS	
Total Moisture, pct. wt.	11.89
Ash, pct. wt.	9.74
Volatile matter, pct. wt	32.97
Fixed carbon, pct. wt	45.40
Sulphur, pct. wt.	0.57
Gross calorific value,Btu/Lb	11255

RESULTS BASED ON AVERAGE WEIGHTED COMPOSITE SAMPLE

MINERAL ANALYSIS OF ASH,% wt	IGNITED BASIS
Silica, SiO_2	60.50
Alumina,Al_2O_3	20.08
Titania,TiO_2	0.97
Ferric Oxide,Fe_2O_3	8.12
Lime, CaO	2.33

INSPECTORATE

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

Certificate :01-13480
Our Ref :5904-1
Slate :08019

VESSEL : HARMEN OLDENDORFF

ANALYSIS CERTIFICATE

Magnesia, MgO	2.33
Sodium Oxide,Na2O	0.57
Potassium Oxide, K2O	2.09
Phos. Pentoxide, P2O5	0.20
Sulfur Trioxide, SO3	2.08
Undetermined	0.73

HARDGROVE GRINDABILITY INDEX
HGI= 53 at 4.10 Percent of moisture

FUSION TEMPERATURE OF ASH (°C)	AS RUN REDUCING
Initial deformation temperature. IT	1228
Softening temperature, (H=W),ST	1291
Hemispherical temperature, (H=1/2W),HT	1350
Fluid temperature FT.	1407

	AS RECEIVED	DRY BASIS
FLUORINE (PPM)	52	59
ULTIMATE ANALYSIS		
Total moisture, pct. wt	11.89	
Carbon, pct. wt	64.24	72.91
Hydrogen, pct. wt	4.41	5.00
Nitrogen, pct. wt	1.20	1.36
Ash, pct. wt	9.74	11.06
Sulfur, pct. wt	0.57	0.65
Chlorine, pct. wt	0.03	0.03
Oxigen, pct. wt (by diff)	7.92	8.99

PUERTO BOLIVAR, COLOMBIA
January 09th, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

FORMATO SPAC REV. #2 11/04

#168

INSPECTORATE COLOMBIA LTDA.
Calle 77ª No. 74-172
Tel 3530564-3532550 Fax 3531364
Barranquilla – Colombia

Certificate Nbr.: 01-13480
Our Ref. : 5904-1
Slate : 08-019

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

VESSEL	:	HARMEN OLDENDORFF
SHIPPER	:	CERREJON C/O CMC COAL MARKETING COMPANY LTD.
CONSIGNEE		AES PUERTO RICO, LP
PRODUCT	:	STEAM COAL IN BULK
SELLER	:	CERREJON C/O COAL MARKETING COMPANY LTD.
LOADING PORT	:	PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	:	LAS MAREAS HARBOR, PUERTO RICO
DATE	:	JANUARY 06th, 2008
QUANTITY	:	41,610.00 MT

ANALYSIS CERTIFICATE

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

Antimony Sb	:	3.94	ppm
Arsenic, As	:	0.82	ppm
Berylium, Be	:	1.31	ppm
Cadmium, Cd	:	1.50	ppm
Chromium Cr	:	12.41	ppm
Copper, Cu	:	7.85	ppm
Mercury, Hg	:	< 0.01	ppm
Molybdenum, Mo	:	4.22	ppm
Nickel, Ni	:	12.85	ppm
Selenium , Se	:	0.19	ppm
Lead, Pb	:	10.49	ppm
Vanadium, V	:	34.54	ppm
Zinc, Zn	:	19.23	ppm

Puerto Bolívar, Colombia
January 12th, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

FORMATO AC REV #2 11/04

INSPECTORATE

#169

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

Certificate :01-13534
Our Ref :5950-1
Slate :08020

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

VESSEL	: HARMEN OLDENDORFF
SHIPPER	: CERREJON C/O CMC COAL MARKETING COMPANY LTD.
CONSIGNEE	: AES PUERTO RICO, LP
PRODUCT	: STEAM COAL IN BULK
SELLER	: CERREJON C/O COAL MARKETING COMPANY LTD.
LOADING PORT	: PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	: LAS MAREAS HARBOR, PUERTO RICO
DATE	: JANUARY 10th - 11th, 2008
QUANTITY	: 41,735.00 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 RUN	AS RECEIVED
EQUILIBRIUM MOISTURE	8.83 %	
SUPERFICIAL MOISTURE	3.02 %	

PROXIMATE ANALYSIS	
Total Moisture, pct. wt.	11.85
Ash, pct. wt.	9.19
Volatile matter, pct. wt	32.84
Fixed carbon, pct. wt	46.12
Sulphur, pct. wt.	0.48
Gross calorific value,Btu/Lb	11355

RESULTS BASED ON AVERAGE WEIGHTED COMPOSITE SAMPLE

MINERAL ANALYSIS OF ASH,% wt	IGNITED BASIS
Silica, SiO_2	60.25
Alumina,Al_2O_3	20.84
Titania,TiO_2	0.99
Ferric Oxide,Fe_2O_3	7.65
Lime, CaO	3.13

INSPECTORATE

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

Certificate :01-13534
Our Ref :5950-1
Slate :08020

VESSEL : HARMEN OLDENDORFF

ANALYSIS CERTIFICATE

Magnesia, MgO	1.99
Sodium Oxide,Na2O	0.48
Potassium Oxide, K2O	2.09
Phos. Pentoxide, P2O5	0.22
Sulfur Trioxide, SO3	2.12
Undetermined	0.24

HARDGROVE GRINDABILITY INDEX
HGI= 52 at 4.30 Percent of moisture

FUSION TEMPERATURE OF ASH (°C)	AS RUN REDUCING
Initial deformation temperature. IT	1227
Softening temperature, (H=W),ST	1295
Hemispherical temperature, (H=1/2W),HT	1355
Fluid temperature FT.	1408

	AS RECEIVED	DRY BASIS
FLUORINE (PPM)	51	58
ULTIMATE ANALYSIS		
Total moisture, pct. wt	11.85	
Carbon, pct. wt	65.81	74.66
Hydrogen, pct. wt	4.29	4.87
Nitrogen, pct. wt	1.34	1.52
Ash, pct. wt	9.19	10.43
Sulfur, pct. wt	0.48	0.55
Chlorine, pct. wt	0.04	0.04
Oxigen, pct. wt (by diff)	7.00	7.93

PUERTO BOLIVAR, COLOMBIA
January 13th, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

FORMATO SPAC REV. #2 11/04

#169

INSPECTORATE COLOMBIA LTDA.
Calle 77ª No. 74-172
Tel 3530564-3532550 Fax 3531364
Barranquilla – Colombia

Certificate Nbr.: 01-13534
Our Ref. : 5950-1
Slate : 08-020

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

VESSEL	:	HARMEN OLDENDORFF
SHIPPER	:	CERREJON C/O CMC COAL MARKETING COMPANY LTD.
CONSIGNEE		AES PUERTO RICO, LP
PRODUCT	:	STEAM COAL IN BULK
SELLER	:	CERREJON C/O COAL MARKETING COMPANY LTD.
LOADING PORT	:	PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	:	LAS MAREAS HARBOR, PUERTO RICO
DATE	:	JANUARY 10th - 11th, 2008
QUANTITY	:	41,735.00 MT

ANALYSIS CERTIFICATE

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

Antimony Sb	:	4.88	ppm
Arsenic, As	:	0.59	ppm
Berylium, Be	:	1.18	ppm
Cadmium, Cd	:	1.48	ppm
Chromium Cr	:	11.15	ppm
Copper, Cu	:	7.69	ppm
Mercury, Hg	:	< 0.01	ppm
Molybdenum, Mo	:	4.10	ppm
Nickel, Ni	:	12.77	ppm
Selenium , Se	:	0.19	ppm
Lead, Pb	:	9.29	ppm
Vanadium, V	:	31.49	ppm
Zinc, Zn	:	17.26	ppm

Puerto Bolívar, Colombia
January 16th, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

FORMATO AC REV #2 11/04

#170

INSPECTORATE

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

Certificate :01-13579
Our Ref :5985-1
Slate :08047

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

VESSEL	: HARMEN OLDENDORFF
SHIPPER	: CERREJON C/O CMC COAL MARKETING COMPANY LTD.
CONSIGNEE	: AES PUERTO RICO, LP
PRODUCT	: STEAM COAL IN BULK
SELLER	: CERREJON C/O COAL MARKETING COMPANY LTD.
LOADING PORT	: PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	: LAS MAREAS HARBOR, PUERTO RICO
DATE	: JANUARY 31st - FEBRUARY 01st, 2008
QUANTITY	: 41,772.00 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 RUN	AS RECEIVED
EQUILIBRIUM MOISTURE	9.91 %	
SUPERFICIAL MOISTURE	3.04 %	

PROXIMATE ANALYSIS	
Total Moisture, pct. wt.	12.95
Ash, pct. wt.	8.37
Volatile matter, pct. wt	33.00
Fixed carbon, pct. wt	45.68
Sulphur, pct. wt.	0.56
Gross calorific value,Btu/Lb	11314

RESULTS BASED ON AVERAGE WEIGHTED COMPOSITE SAMPLE

MINERAL ANALYSIS OF ASH,% wt	IGNITED BASIS
Silica, SiO_2	59.79
Alumina,Al_2O_3	21.14
Titania,TiO_2	1.08
Ferric Oxide,Fe_2O_3	8.20
Lime, CaO	2.24

INSPECTORATE

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

Certificate :01-13579
Our Ref :5985-1
Slate :08047

VESSEL : HARMEN OLDENDORFF

ANALYSIS CERTIFICATE

Magnesia, MgO	2.00
Sodium Oxide,Na2O	0.55
Potassium Oxide, K2O	2.06
Phos. Pentoxide, P2O5	0.21
Sulfur Trioxide, SO3	2.15
Undetermined	0.58

HARDGROVE GRINDABILITY INDEX
HGI= 50 at 4.69 Percent of moisture

FUSION TEMPERATURE OF ASH (°C)	AS RUN REDUCING
Initial deformation temperature. IT	1223
Softening temperature, (H=W),ST	1289
Hemispherical temperature, (H=1/2W),HT	1352
Fluid temperature FT.	1405

	AS RECEIVED	DRY BASIS
FLUORINE (PPM)	51	59
ULTIMATE ANALYSIS		
Total moisture, pct. wt	12.95	
Carbon, pct. wt	65.57	75.32
Hydrogen, pct. wt	4.29	4.93
Nitrogen, pct. wt	1.23	1.41
Ash, pct. wt	8.37	9.61
Sulfur, pct. wt	0.56	0.64
Chlorine, pct. wt	0.03	0.04
Oxigen, pct. wt (by diff)	7.00	8.05

PUERTO BOLIVAR, COLOMBIA
February 04th, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

FORMATO SPAC REV. #2 11/04

#170

INSPECTORATE COLOMBIA LTDA.
Calle 77ª No. 74-172
Tel 3530564-3532550 Fax 3531364
Barranquilla – Colombia

Certificate Nbr.: 01-13579
Our Ref. : 5985-1
Slate : 08-047

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

VESSEL	:	HARMEN OLDENDORFF
SHIPPER	:	CERREJON C/O CMC COAL MARKETING COMPANY LTD.
CONSIGNEE		AES PUERTO RICO, LP
PRODUCT	:	STEAM COAL IN BULK
SELLER	:	CERREJON C/O COAL MARKETING COMPANY LTD.
LOADING PORT	:	PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	:	LAS MAREAS HARBOR, PUERTO RICO
DATE	:	JANUARY 31st - FEBRUARY 01st, 2008
QUANTITY	:	41,772.00 MT

ANALYSIS CERTIFICATE

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

Antimony Sb	:	3.83	ppm
Arsenic, As	:	0.54	ppm
Berylium, Be	:	0.42	ppm
Cadmium, Cd	:	1.06	ppm
Chromium Cr	:	10.27	ppm
Copper, Cu	:	7.54	ppm
Mercury, Hg	:	< 0.01	ppm
Molybdenum, Mo	:	3.59	ppm
Nickel, Ni	:	11.34	ppm
Selenium , Se	:	0.20	ppm
Lead, Pb	:	6.79	ppm
Vanadium, V	:	34.01	ppm
Zinc, Zn	:	15.77	ppm

Puerto Bolívar, Colombia
February 07th, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

FORMATO AC REV #2 11/04

#171

INSPECTORATE

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

Certificate :01-13590
Our Ref :5996-1
Slate :08048

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

VESSEL	: HARMEN OLDENDORFF
SHIPPER	: CERREJON C/O CMC COAL MARKETING COMPANY LTD.
CONSIGNEE	: AES PUERTO RICO, LP
PRODUCT	: STEAM COAL IN BULK
SELLER	: CERREJON c/o COAL MARKETING COMPANY LTD.
LOADING PORT	: PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	: LAS MAREAS HARBOR, PUERTO RICO
DATE	: FEBRUARY 08th - 09th, 2008
QUANTITY	: 41,690.00 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 RUN	AS RECEIVED
EQUILIBRIUM MOISTURE	9.19 %	
SUPERFICIAL MOISTURE	3.63 %	

PROXIMATE ANALYSIS	
Total Moisture, pct. wt.	12.82
Ash, pct. wt.	8.20
Volatile matter, pct. wt	33.03
Fixed carbon, pct. wt	45.95
Sulphur, pct. wt.	0.57
Gross calorific value,Btu/Lb	11305

RESULTS BASED ON AVERAGE WEIGHTED COMPOSITE SAMPLE

MINERAL ANALYSIS OF ASH,% wt	IGNITED BASIS
Silica, SiO_2	60.72
Alumina,Al_2O_3	19.92
Titania,TiO_2	0.96
Ferric Oxide,Fe_2O_3	8.36
Lime, CaO	2.22

INSPECTORATE

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

Certificate :01-13590
Our Ref :5996-1
Slate :08048

VESSEL : HARMEN OLDENDORFF

ANALYSIS CERTIFICATE

Magnesia, MgO	2.32
Sodium Oxide,Na2O	0.51
Potassium Oxide, K2O	2.22
Phos. Pentoxide, P2O5	0.22
Sulfur Trioxide, SO3	2.11
Undetermined	0.44

HARDGROVE GRINDABILITY INDEX
HGI= 54 at 4.60 Percent of moisture

FUSION TEMPERATURE OF ASH (°C)	AS RUN REDUCING
Initial deformation temperature. IT	1227
Softening temperature, (H=W),ST	1290
Hemispherical temperature, (H=1/2W),HT	1351
Fluid temperature FT.	1407

	AS RECEIVED	DRY BASIS
FLUORINE (PPM)	50	57
ULTIMATE ANALYSIS		
Total moisture, pct. wt	12.82	
Carbon, pct. wt	64.74	74.26
Hydrogen, pct. wt	4.25	4.87
Nitrogen, pct. wt	1.23	1.41
Ash, pct. wt	8.20	9.41
Sulfur, pct. wt	0.57	0.65
Chlorine, pct. wt	0.03	0.03
Oxigen, pct. wt (by diff)	8.16	9.37

PUERTO BOLIVAR, COLOMBIA
February 11th, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

FORMATO SPAC REV. #2 11/04

#171

INSPECTORATE COLOMBIA LTDA.
Calle 77ª No. 74-172
Tel 3530564-3532550 Fax 3531364
Barranquilla – Colombia

Certificate Nbr.: 01-13590
Our Ref. : 5996-1
Slate : 08-048

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

VESSEL	:	HARMEN OLDENDORFF
SHIPPER	:	CERREJON C/O CMC COAL MARKETING COMPANY LTD.
CONSIGNEE		AES PUERTO RICO, LP
PRODUCT	:	STEAM COAL IN BULK
SELLER	:	CERREJON C/O COAL MARKETING COMPANY LTD.
LOADING PORT	:	PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	:	LAS MAREAS HARBOR, PUERTO RICO
DATE	:	FEBRUARY 08th - 09th, 2008
QUANTITY	:	41,690.00 MT

ANALYSIS CERTIFICATE

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

Antimony Sb	:	5.58	ppm
Arsenic, As	:	0.38	ppm
Berylium, Be	:	0.50	ppm
Cadmium, Cd	:	1.33	ppm
Chromium Cr	:	10.00	ppm
Copper, Cu	:	7.15	ppm
Mercury, Hg	:	< 0.01	ppm
Molybdenum, Mo	:	7.28	ppm
Nickel, Ni	:	11.39	ppm
Selenium , Se	:	0.16	ppm
Lead, Pb	:	6.52	ppm
Vanadium, V	:	27.08	ppm
Zinc, Zn	:	14.71	ppm

Puerto Bolívar, Colombia
February 15th, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

FORMATO AC REV #2 11/04

INSPECTORATE

#172

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

Certificate :01-13674
Our Ref :6065-1
Slate :08049

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

VESSEL	: HARMEN OLDENDORFF
SHIPPER	: CERREJON
CONSIGNEE	: AES PUERTO RICO, LP
PRODUCT	: STEAM COAL IN BULK
SELLER	: CERREJON c/o COAL MARKETING COMPANY LTD.
LOADING PORT	: PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	: LAS MAREAS HARBOR, PUERTO RICO
DATE	: FEBRUARY 15th - 16th, 2008
QUANTITY	: 41,696.00 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 RUN	AS RECEIVED
EQUILIBRIUM MOISTURE	9.29 %	
SUPERFICIAL MOISTURE	3.10 %	

PROXIMATE ANALYSIS	
Total Moisture, pct. wt.	12.39
Ash, pct. wt.	8.97
Volatile matter, pct. wt	32.97
Fixed carbon, pct. wt	45.67
Sulphur, pct. wt.	0.59
Gross calorific value,Btu/Lb	11270

RESULTS BASED ON AVERAGE WEIGHTED COMPOSITE SAMPLE

MINERAL ANALYSIS OF ASH,% wt	IGNITED BASIS
Silica, SiO_2	60.19
Alumina,Al_2O_3	19.98
Titania,TiO_2	1.05
Ferric Oxide,Fe_2O_3	8.55
Lime, CaO	2.31
Magnesia, MgO	2.29

INSPECTORATE

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

Certificate :01-13674
Our Ref :6065-1
Slate :08049

VESSEL : HARMEN OLDENDORFF

ANALYSIS CERTIFICATE

Sodium Oxide,Na2O	0.53
Potassium Oxide, K2O	2.08
Phos. Pentoxide, P2O5	0.22
Sulfur Trioxide, SO3	2.15
Undetermined	0.65

HARDGROVE GRINDABILITY INDEX
HGI= 51 at 4.81 Percent of moisture

FUSION TEMPERATURE OF ASH (°C)	AS RUN REDUCING
Initial deformation temperature. IT	1220
Softening temperature, (H=W),ST	1291
Hemispherical temperature, (H=1/2W),HT	1351
Fluid temperature FT.	1411

	AS RECEIVED	DRY BASIS
FLUORINE (PPM)	53	60
ULTIMATE ANALYSIS		
Total moisture, pct. wt	12.39	
Carbon, pct. wt	64.24	73.33
Hydrogen, pct. wt	4.21	4.81
Nitrogen, pct. wt	1.35	1.54
Ash, pct. wt	8.97	10.24
Sulfur, pct. wt	0.59	0.67
Chlorine, pct. wt	0.04	0.04
Oxigen, pct. wt (by diff)	8.21	9.37

PUERTO BOLIVAR, COLOMBIA
February 19th, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

FORMATO SPAC REV. #2 11/04

#172

INSPECTORATE COLOMBIA LTDA.
Calle 77ª No. 74-172
Tel 3530564-3532550 Fax 3531364
Barranquilla – Colombia

Certificate Nbr.: 01-13674
Our Ref. : 6065-1
Slate : 08-049

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

VESSEL	:	HARMEN OLDENDORFF
SHIPPER	:	CERREJON
CONSIGNEE		AES PUERTO RICO, LP
PRODUCT	:	STEAM COAL IN BULK
SELLER	:	CERREJON c/o COAL MARKETING COMPANY LTD.
LOADING PORT	:	PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	:	LAS MAREAS HARBOR, PUERTO RICO
DATE	:	FEBRUARY 15th - 16th, 2008
QUANTITY	:	41,696.00 MT

ANALYSIS CERTIFICATE

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

Antimony Sb	:	2.98	ppm
Arsenic, As	:	0.38	ppm
Berylium, Be	:	0.46	ppm
Cadmium, Cd	:	1.13	ppm
Chromium Cr	:	10.43	ppm
Copper, Cu	:	7.16	ppm
Mercury, Hg	:	< 0.01	ppm
Molybdenum, Mo	:	2.53	ppm
Nickel, Ni	:	12.82	ppm
Selenium , Se	:	0.19	ppm
Lead, Pb	:	7.93	ppm
Vanadium, V	:	32.96	ppm
Zinc, Zn	:	15.68	ppm

Puerto Bolívar, Colombia
February 22nd, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

FORMATO AC REV #2 11/04

#173

INSPECTORATE

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

Certificate :01-13768
Our Ref :6144-1
Slate :08095

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

VESSEL	: HARMEN OLDENDORFF
SHIPPER	: CERREJON
CONSIGNEE	: AES PUERTO RICO, LP
PRODUCT	: STEAM COAL IN BULK
SELLER	: CERREJON c/o COAL MARKETING COMPANY LTD.
LOADING PORT	: PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	: LAS MAREAS HARBOR, PUERTO RICO
DATE	: MARCH 07th - 08th, 2008
QUANTITY	: 41,653.00 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 RUN	AS RECEIVED
EQUILIBRIUM MOISTURE	9.31 %	
SUPERFICIAL MOISTURE	3.09 %	
PROXIMATE ANALYSIS		
Total Moisture, pct. wt.		12.40
Ash, pct. wt.		8.98
Volatile matter, pct. wt		33.24
Fixed carbon, pct. wt		45.38
Sulphur, pct. wt.		0.54
Gross calorific value,Btu/Lb		11250

RESULTS BASED ON AVERAGE WEIGHTED COMPOSITE SAMPLE

MINERAL ANALYSIS OF ASH,% wt	IGNITED BASIS
Silica, SiO_2	60.79
Alumina,Al_2O_3	20.48
Titania,TiO_2	1.02
Ferric Oxide,Fe_2O_3	7.52
Lime, CaO	2.36
Magnesia, MgO	2.12

INSPECTORATE

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

Certificate :01-13768
Our Ref :6144-1
Slate :08095

VESSEL : HARMEN OLDENDORFF

ANALYSIS CERTIFICATE

Sodium Oxide,Na2O	0.59
Potassium Oxide, K2O	2.21
Phos. Pentoxide, P2O5	0.22
Sulfur Trioxide, SO3	2.10
Undetermined	0.59

HARDGROVE GRINDABILITY INDEX
HGI= 51 at 3.70 Percent of moisture

FUSION TEMPERATURE OF ASH (°C)	AS RUN REDUCING
Initial deformation temperature. IT	1223
Softening temperature, (H=W),ST	1291
Hemispherical temperature, (H=1/2W),HT	1353
Fluid temperature FT.	1406

	AS RECEIVED	DRY BASIS
FLUORINE (PPM)	50	57
ULTIMATE ANALYSIS		
Total moisture, pct. wt	12.40	
Carbon, pct. wt	66.06	75.41
Hydrogen, pct. wt	4.23	4.83
Nitrogen, pct. wt	1.31	1.49
Ash, pct. wt	8.98	10.25
Sulfur, pct. wt	0.54	0.62
Chlorine, pct. wt	0.03	0.03
Oxigen, pct. wt (by diff)	6.45	7.37

PUERTO BOLIVAR, COLOMBIA
March 11th, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

FORMATO SPAC REV. #2 11/04

#173

INSPECTORATE COLOMBIA LTDA.
Calle 77ª No. 74-172
Tel 3530564-3532550 Fax 3531364
Barranquilla – Colombia

Certificate Nbr.: 01-13768
Our Ref. : 6144-1
Slate : 08095

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

VESSEL	:	HARMEN OLDENDORFF
SHIPPER	:	CERREJON
CONSIGNEE	:	AES PUERTO RICO, LP
PRODUCT	:	STEAM COAL IN BULK
SELLER	:	CERREJON c/o COAL MARKETING COMPANY LTD.
LOADING PORT	:	PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	:	LAS MAREAS HARBOR, PUERTO RICO
DATE	:	MARCH 07th - 08th, 2008
QUANTITY	:	41,653.00 MT

ANALYSIS CERTIFICATE

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

Antimony Sb	:	2.78	ppm
Arsenic, As	:	0.52	ppm
Berylium, Be	:	0.32	ppm
Cadmium, Cd	:	1.03	ppm
Chromium Cr	:	11.51	ppm
Copper, Cu	:	6.68	ppm
Mercury, Hg	:	< 0.01	ppm
Molybdenum, Mo	:	1.71	ppm
Nickel, Ni	:	12.70	ppm
Selenium , Se	:	0.22	ppm
Lead, Pb	:	6.48	ppm
Vanadium, V	:	33.28	ppm
Zinc, Zn	:	15.65	ppm

Puerto Bolívar, Colombia
March 13th, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

FORMATO AC REV #2 11/04

#174

INSPECTORATE

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

Certificate :01-13776
Our Ref :6152-1
Slate :08096

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

VESSEL	: HARMEN OLDENDORFF
SHIPPER	: CERREJON
CONSIGNEE	: AES PUERTO RICO, LP
PRODUCT	: STEAM COAL IN BULK
SELLER	: CERREJON c/o COAL MARKETING COMPANY LTD.
LOADING PORT	: PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	: LAS MAREAS HARBOR, PUERTO RICO
DATE	: MARCH 15th, 2008
QUANTITY	: 41,845.00 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 RUN	AS RECEIVED
EQUILIBRIUM MOISTURE	9.78 %	
SUPERFICIAL MOISTURE	2.95 %	
PROXIMATE ANALYSIS		
Total Moisture, pct. wt.		12.73
Ash, pct. wt.		8.20
Volatile matter, pct. wt		33.18
Fixed carbon, pct. wt		45.89
Sulphur, pct. wt.		0.55
Gross calorific value,Btu/Lb		11315

RESULTS BASED ON AVERAGE WEIGHTED COMPOSITE SAMPLE

MINERAL ANALYSIS OF ASH,% wt	IGNITED BASIS
Silica, SiO_2	60.24
Alumina,Al_2O_3	19.93
Titania,TiO_2	1.07
Ferric Oxide,Fe_2O_3	8.46
Lime, CaO	2.22
Magnesia, MgO	2.29

INSPECTORATE

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

Certificate :01-13776
Our Ref :6152-1
Slate :08096

VESSEL : HARMEN OLDENDORFF

ANALYSIS CERTIFICATE

Sodium Oxide,Na2O	0.53
Potassium Oxide, K2O	2.11
Phos. Pentoxide, P2O5	0.21
Sulfur Trioxide, SO3	2.15
Undetermined	0.79

HARDGROVE GRINDABILITY INDEX
HGI= 50 at 4.27 Percent of moisture

FUSION TEMPERATURE OF ASH (°C)	AS RUN REDUCING
Initial deformation temperature. IT	1234
Softening temperature, (H=W),ST	1293
Hemispherical temperature, (H=1/2W),HT	1352
Fluid temperature FT.	1415

	AS RECEIVED	DRY BASIS
FLUORINE (PPM)	51	58
ULTIMATE ANALYSIS		
Total moisture, pct. wt	12.73	
Carbon, pct. wt	64.70	74.14
Hydrogen, pct. wt	4.29	4.92
Nitrogen, pct. wt	1.28	1.47
Ash, pct. wt	8.20	9.40
Sulfur, pct. wt	0.55	0.63
Chlorine, pct. wt	0.03	0.03
Oxigen, pct. wt (by diff)	8.22	9.41

PUERTO BOLIVAR, COLOMBIA
March 17th, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

#174

INSPECTORATE COLOMBIA LTDA.
Calle 77ª No. 74-172
Tel 3530564-3532550 Fax 3531364
Barranquilla – Colombia

Certificate Nbr.: 01-13776
Our Ref. : 6152-1
Slate : 08096

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

VESSEL	:	HARMEN OLDENDORFF
SHIPPER	:	CERREJON
CONSIGNEE	:	AES PUERTO RICO, LP
PRODUCT	:	STEAM COAL IN BULK
SELLER	:	CERREJON c/o COAL MARKETING COMPANY LTD.
LOADING PORT	:	PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	:	LAS MAREAS HARBOR, PUERTO RICO
DATE	:	MARCH 15th, 2008
QUANTITY	:	41,845.00 MT

ANALYSIS CERTIFICATE

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

Antimony Sb	:	3.39	ppm
Arsenic, As	:	0.45	ppm
Berylium, Be	:	0.34	ppm
Cadmium, Cd	:	0.60	ppm
Chromium Cr	:	10.44	ppm
Copper, Cu	:	6.68	ppm
Mercury, Hg	:	< 0.01	ppm
Molybdenum, Mo	:	2.70	ppm
Nickel, Ni	:	11.79	ppm
Selenium , Se	:	0.13	ppm
Lead, Pb	:	8.25	ppm
Vanadium, V	:	30.77	ppm
Zinc, Zn	:	18.67	ppm

Puerto Bolívar, Colombia
March 25th, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

#175

INSPECTORATE

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

Certificate :01-13812
Our Ref :6179-1
Slate :08097

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

VESSEL	: HARMEN OLDENDORFF
SHIPPER	: CERREJON
CONSIGNEE	: AES PUERTO RICO, LP
PRODUCT	: STEAM COAL IN BULK
SELLER	: CERREJON c/o COAL MARKETING COMPANY LTD.
LOADING PORT	: PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	: LAS MAREAS HARBOR, PUERTO RICO
DATE	: MARCH 22nd, 2008
QUANTITY	: 41,577.00 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 RUN	AS RECEIVED
EQUILIBRIUM MOISTURE	9.40 %	
SUPERFICIAL MOISTURE	2.77 %	

PROXIMATE ANALYSIS	
Total Moisture, pct. wt.	12.17
Ash, pct. wt.	9.22
Volatile matter, pct. wt	33.21
Fixed carbon, pct. wt	45.40
Sulphur, pct. wt.	0.60
Gross calorific value,Btu/Lb	11279

RESULTS BASED ON AVERAGE WEIGHTED COMPOSITE SAMPLE

MINERAL ANALYSIS OF ASH,% wt	IGNITED BASIS
Silica, SiO_2	60.19
Alumina,Al_2O_3	20.51
Titania,TiO_2	1.05
Ferric Oxide,Fe_2O_3	8.19
Lime, CaO	2.25
Magnesia, MgO	2.29

INSPECTORATE

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

Certificate :01-13812
Our Ref :6179-1
Slate :08097

VESSEL : HARMEN OLDENDORFF

ANALYSIS CERTIFICATE

Sodium Oxide,Na2O	0.59
Potassium Oxide, K2O	2.21
Phos. Pentoxide, P2O5	0.24
Sulfur Trioxide, SO3	2.20
Undetermined	0.28

HARDGROVE GRINDABILITY INDEX
HGI= 51 at 4.04 Percent of moisture

FUSION TEMPERATURE OF ASH (°C)	AS RUN REDUCING
Initial deformation temperature. IT	1233
Softening temperature, (H=W),ST	1292
Hemispherical temperature, (H=1/2W),HT	1350
Fluid temperature FT.	1411

	AS RECEIVED	DRY BASIS
FLUORINE (PPM)	48	55
ULTIMATE ANALYSIS		
Total moisture, pct. wt	12.17	
Carbon, pct. wt	65.55	74.63
Hydrogen, pct. wt	4.18	4.76
Nitrogen, pct. wt	1.26	1.43
Ash, pct. wt	9.22	10.50
Sulfur, pct. wt	0.60	0.68
Chlorine, pct. wt	0.03	0.03
Oxigen, pct. wt (by diff)	6.99	7.97

PUERTO BOLIVAR, COLOMBIA
March 26th, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

#175

INSPECTORATE COLOMBIA LTDA.
Calle 77ª No. 74-172
Tel 3530564-3532550 Fax 3531364
Barranquilla – Colombia

Certificate Nbr.: 01-13812
Our Ref. : 6179-1
Slate : 08097

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

VESSEL	:	HARMEN OLDENDORFF
SHIPPER	:	CERREJON
CONSIGNEE	:	AES PUERTO RICO, LP
PRODUCT	:	STEAM COAL IN BULK
SELLER	:	CERREJON c/o COAL MARKETING COMPANY LTD.
LOADING PORT	:	PUERTO BOLIVAR, COLOMBIA
DISCHARGE PORT	:	LAS MAREAS HARBOR, PUERTO RICO
DATE	:	MARCH 22nd, 2008
QUANTITY	:	41,577.00 MT

ANALYSIS CERTIFICATE

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

Antimony Sb	:	3.83	ppm
Arsenic, As	:	0.69	ppm
Berylium, Be	:	0.79	ppm
Cadmium, Cd	:	0.50	ppm
Chromium Cr	:	10.19	ppm
Copper, Cu	:	5.34	ppm
Mercury, Hg	:	< 0.01	ppm
Molybdenum, Mo	:	3.05	ppm
Nickel, Ni	:	12.54	ppm
Selenium , Se	:	0.20	ppm
Lead, Pb	:	6.23	ppm
Vanadium, V	:	30.60	ppm
Zinc, Zn	:	19.56	ppm

Puerto Bolívar, Colombia
March 28th, 2008

For and on behalf of,

INSPECTORATE COLOMBIA LTDA.

FORMATO AC REV #2 11/04

AES
Puerto Rico

CEMS Maintenance Records

Unit 1 & 2

Calibration Gas Audit Report

Record Number= 22

U 2 NOx SO2 CO2 Start Time: 16:11 Date: 3/18/08 End Time: 3/18/08 Date: 16:49

Analyzer NOx	LOW	HIGH
REF GAS VALUE	24.80	52.40
DATE	03/18/2008	03/18/2008
TIME	16:11	16:16
RUN 1	23.90	51.30
DATE	03/18/2008	03/18/2008
TIME	16:30	16:37
RUN 2	23.60	51.60
DATE	03/18/2008	03/18/2008
TIME	16:44	16:49
RUN 3	23.70	51.50
AVERAGE=SUM/3	23.73	51.47
% ACCURACY	-4.31	-1.77
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC120473	CC83657
CERTIFICATION DATE	04/15/2008	01/02/2008

Analyzer SO2	LOW	HIGH
REF GAS VALUE	5.16	10.48
DATE	03/18/2008	03/18/2008
TIME	16:11	16:16
RUN 1	5.32	10.18
DATE	03/18/2008	03/18/2008
TIME	16:30	16:37
RUN 2	5.51	10.39
DATE	03/18/2008	03/18/2008
TIME	16:44	16:49
RUN 3	5.41	10.19
AVERAGE=SUM/3	5.41	10.25
% ACCURACY	4.84	-2.19
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC120473	CC83657
CERTIFICATION DATE	04/15/2008	01/02/2008

Analyzer CO2	LOW	HIGH
REF GAS VALUE	5.59	10.90
DATE	03/18/2008	03/18/2008
TIME	16:11	16:16
RUN 1	5.80	10.99
DATE	03/18/2008	03/18/2008
TIME	16:30	16:37
RUN 2	5.64	10.93
DATE	03/18/2008	03/18/2008
TIME	16:44	16:49
RUN 3	5.63	10.92
AVERAGE=SUM/3	5.69	10.95
% ACCURACY	1.79	0.46
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC120473	CC83657
CERTIFICATION DATE	04/15/2007	01/02/2008

Calibration Gas Audit Report

Record Number= 20

J 2 CO O2 Start Time: 0750 Date: 3/19/2008 End Time: 08:07 Date: 3/19/2008

Analyzer CO	LOW	HIGH
REF GAS VALUE	50.50	109.60
DATE	03/19/2008	03/19/2008
TIME	07:50	07:55
RUN 1	48.90	109.70
DATE	03/19/2008	03/19/2008
TIME	07:57	08:00
RUN 2	49.00	109.70
DATE	03/19/2008	03/19/2008
TIME	08:05	08:07
RUN 3	49.00	110.00
AVERAGE=SUM/3	48.97	109.80
% ACCURACY	-3.03	0.18
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC156874	CC139125
CERTIFICATION DATE	04/19/2009	09/12/2007

Analyzer OXY	LOW	HIGH
REF GAS VALUE	4.97	11.47
DATE	03/19/2008	03/19/2008
TIME	07:50	07:55
RUN 1	4.58	11.54
DATE	03/19/2008	03/19/2008
TIME	07:57	08:00
RUN 2	5.02	11.47
DATE	03/19/2008	03/19/2008
TIME	08:05	08:07
RUN 3	4.97	11.46
AVERAGE=SUM/3	4.86	11.49
% ACCURACY	-2.21	0.17
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC156874	CC139125
CERTIFICATION DATE	04/19/2009	09/12/2007

Calibration Gas Audit Report

:ecord Number= 18

I 2 Hi NOx SO2 Start Time: 12:49 Date: 3/19/08 End Time: 13:26 Date: 3/19/08

ıalyzer NOx High	LOW	HIGH
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ɪEF GAS VALUE	109.00	179.00
)ATE	03/19/2008	03/19/2008
ΓIME	12:49	13:03
ɪUN 1	108.00	179.30
)ATE	03/19/2008	03/19/2008
ΓIME	13:06	13:14
ɪUN 2	108.10	179.60
)ATE	03/19/2008	03/19/2008
ΓIME	13:17	13:26
RUN 3	107.80	180.10
ɴVERAGE=SUM/3	107.97	179.67
% ACCURACY	-0.94	0.37
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC150546	CC138508
CERTIFICATION DATE	04/26/2006	08/23/2007

Analyzer SO2 High	LOW	HIGH
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REF GAS VALUE	27.80	44.80
DATE	03/19/2008	03/19/2008
TIME	12:49	13:03
RUN 1	25.10	38.61
DATE	03/19/2008	03/19/2008
TIME	13:06	13:14
RUN 2	28.69	39.38
DATE	03/19/2008	03/19/2008
TIME	13:17	13:26
RUN 3	28.72	39.33
AVERAGE=SUM/3	27.50	39.11
% ACCURACY	-1.08	-12.70
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC150546	CC138508
CERTIFICATION DATE	04/26/2006	08/23/2007

Calibration Gas Audit Report

Record Number= 30

U 1 NOx SO2 CO2 Start Time: 09:45 Date: 3/18/08 End Time: 10:42 Date: 3/18/08

Analyzer NOx	LOW	HIGH
REF GAS VALUE	24.80	52.60
DATE	03/18/2008	03/18/2008
TIME	09:45	09:48
RUN 1	24.00	52.30
DATE	03/18/2008	03/18/2008
TIME	10:33	10:36
RUN 2	24.00	52.10
DATE	03/18/2008	03/18/2008
TIME	10:39	10:42
RUN 3	24.10	52.00
AVERAGE=SUM/3	24.03	52.13
% ACCURACY	-3.10	-0.89
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC120473	CC107846
CERTIFICATION DATE	10/15/2007	01/02/2008

Analyzer SO2	LOW	HIGH
REF GAS VALUE	5.16	10.58
DATE	03/18/2008	03/18/2008
TIME	09:45	09:48
RUN 1	5.26	10.56
DATE	03/18/2008	03/18/2008
TIME	10:33	10:36
RUN 2	5.09	10.42
DATE	03/18/2008	03/18/2008
TIME	10:39	10:42
RUN 3	5.13	10.55
AVERAGE=SUM/3	5.16	10.51
% ACCURACY	0.00	-0.66
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC120473	CC107846
CERTIFICATION DATE	10/15/2007	01/02/2008

Analyzer CO2	LOW	HIGH
REF GAS VALUE	5.59	10.81
DATE	03/18/2008	03/18/2008
TIME	09:45	09:48
RUN 1	5.63	10.79
DATE	03/18/2008	03/18/2008
TIME	10:33	10:36
RUN 2	5.59	10.79
DATE	03/18/2008	03/18/2008
TIME	10:39	10:42
RUN 3	5.63	10.80
AVERAGE=SUM/3	5.62	10.79
% ACCURACY	0.54	-0.19
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC120473	CC107846
CERTIFICATION DATE	10/15/2007	01/02/2008

Calibration Gas Audit Report

Record Number= 18

U 1 CO O2 Start Time: 13:29 Date: 3/18/2008 End Time: 13:47 Date: 3/18/2008

Analyzer CO	LOW	HIGH
REF GAS VALUE	50.50	109.60
DATE	03/18/2008	03/18/2008
TIME	13:44	13:47
RUN 1	52.30	109.60
DATE	03/18/2008	03/18/2008
TIME	13:50	13:54
RUN 2	50.70	107.60
DATE	03/18/2008	03/18/2008
TIME	13:29	13:35
RUN 3	50.60	109.10
AVERAGE=SUM/3	51.20	108.77
% ACCURACY	1.39	-0.76
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC156874	CC139125
CERTIFICATION DATE	04/19/2009	09/12/2007

Analyzer OXY	LOW	HIGH
REF GAS VALUE	4.97	11.47
DATE	03/18/2008	03/18/2008
TIME	13:44	13:47
RUN 1	4.95	11.52
DATE	03/18/2008	03/18/2008
TIME	13:50	13:54
RUN 2	4.97	11.58
DATE	03/18/2008	03/18/2008
TIME	13:29	13:35
RUN 3	4.96	11.56
AVERAGE=SUM/3	4.96	11.55
% ACCURACY	-0.20	0.70
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC156874	CC139125
CERTIFICATION DATE	04/19/2009	09/12/2007

Calibration Gas Audit Report

Record Number= 19

U 1 Hi NOx SO2 Start Time: 9:43 Date: 3/19/2008 End Time: 11:05 Date: 3/19/2008

Analyzer NOx High	LOW	HIGH
REF GAS VALUE	109.00	179.00
DATE	03/19/2008	03/19/2008
TIME	09:43	09:59
RUN 1	107.30	182.60
DATE	03/19/2008	03/19/2008
TIME	10:46	10:53
RUN 2	107.40	181.30
DATE	03/19/2008	03/19/2008
TIME	11:01	11:05
RUN 3	107.50	180.60
AVERAGE=SUM/3	107.40	181.50
% ACCURACY	-1.47	1.40
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC150546	CC138508
CERTIFICATION DATE	04/26/2006	08/23/2007

Analyzer SO2 High	LOW	HIGH
REF GAS VALUE	27.80	44.80
DATE	03/19/2008	03/19/2008
TIME	09:43	09:59
RUN 1	29.77	40.66
DATE	03/19/2008	03/19/2008
TIME	10:46	10:53
RUN 2	29.97	43.47
DATE	03/19/2008	03/19/2008
TIME	11:01	11:05
RUN 3	29.79	44.43
AVERAGE=SUM/3	29.84	42.85
% ACCURACY	7.34	-4.35
OUT OF CONTROL	NO	NO
SERIAL NUMBER	CC150546	CC138508
CERTIFICATION DATE	04/26/2006	08/23/2007

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CB 1
3/18/2008

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

CUSTOMER PRAXAIR SOUTHEAST

P.O NUMBER 4458636-06

REFERENCE STANDARD

COMPONENT	NIST SRM NO.	CYLINDER NO.	CONCENTRATION
76.70 PPM NITRIC OXIDE GMIS VS	1683b	CAL015567	48.52 PPM
50.7 PPM SULFUR DIOXIDE GMIS VS	1694a	CAL-010658	97.6 PPM
17.96 % CARBON DIOXIDE GMIS VS	2745	CALC16031	15.633 %

ANALYZER READINGS

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

1. COMPONENT 76.70 PPM NITRIC OXIDE GMIS ANALYZER MAKE-MODEL-S/N TECO MODEL 42C 42CH-57352-312

ANALYTICAL PRINCIPLE Chemiluminescence — LAST CALIBRATION DATE 11/30/07

FIRST ANALYSIS DATE 12/10/07 — SECOND ANALYSIS DATE 12/17/07

Z 0	R 76.6	C 52.5	CONC. 52.4	Z 0	R 74.7	C 51.4	CONC. 52.5
R 77.1	Z 0	C 52.7	CONC. 52.6	R 75.3	Z 0	C 51.5	CONC. 52.6
Z 0	C 52.7	R 77.0	CONC. 52.6	Z 0	C 51.8	R 75.3	CONC. 52.9

U/M PPM MEAN TEST ASSAY 52.5 — U/M PPM MEAN TEST ASSAY 52.7

2. COMPONENT 50.7 PPM SULFUR DIOXIDE GMIS ANALYZER MAKE-MODEL-S/N SIEMENS ULTRAMAT 6E S/N:J2-36

ANALYTICAL PRINCIPLE NON-DISPERSIVE INFRARED — LAST CALIBRATION DATE 12/31/07

FIRST ANALYSIS DATE 12/10/07 — SECOND ANALYSIS DATE 01/02/08

Z 0	R 49.39	C 10.30	CONC. 10.41	Z 0	R 51.38	C 10.73	CONC. 10.52
R 49.77	Z 0	C 10.41	CONC. 10.52	R 51.26	Z 0	C 10.92	CONC. 10.71
Z 0	C 10.48	R 49.88	CONC. 10.59	Z 0	C 10.98	R 51.83	CONC. 10.77

U/M PPM MEAN TEST ASSAY 10.51 — U/M PPM MEAN TEST ASSAY 10.67

3. COMPONENT 17.96 % CARBON DIOXIDE GMIS ANALYZER MAKE-MODEL-S/N HORIBA VA 3011 SN: 43638558001

ANALYTICAL PRINCIPLE NON-DISPERSIVE INFRARED — LAST CALIBRATION DATE 11/30/07

FIRST ANALYSIS DATE 12/10/07 — SECOND ANALYSIS DATE

Z 0	R 17.90	C 10.77	CONC. 10.81	Z	R	C	CONC.
R 17.90	Z 0	C 10.77	CONC. 10.81	R	Z	C	CONC.
Z 0	C 10.77	R 17.90	CONC. 10.81	Z	C	R	CONC.

U/M % MEAN TEST ASSAY 10.81 — U/M % MEAN TEST ASSAY

THIS CYLINDER NO. CC107846
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 01/02/08
EXPIRATION DATE 07/02/08 TERM

CERTIFIED CONCENTRATION

NITRIC OXIDE	52.6PPM
SULFUR DIOXIDE	10.58PPM
CARBON DIOXIDE	10.81%
NOx (FOR REFERENCE ONLY)	52.6PPM

VALUES NOT VALID BELOW 150PSIG; BALANCE:NITROGEN
UNCERTAINTIES: NO±0.5PPM; SO2±0.21PPM; CO2±0.09%

ANALYZED BY COLLEEN STRAUBINGER

CERTIFIED BY MQ 1-7-08

PRAXAIR

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

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

02/22/08
CB2

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

CUSTOMER PRAXAIR SOUTHEAST **P.O NUMBER** 3546251-03

REFERENCE STANDARD

COMPONENT	NIST SRM NO.	CYLINDER NO.	CONCENTRATION
149 PPM CARBON MONOXIDE GMIS VS	2636A	FF23213	247.1 PPM
22.95 % OXYGEN GMIS VS	2659a	CAL015449	20.72 %

ANALYZER READINGS

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

1. COMPONENT 149 PPM CARBON MONOXIDE GMIS ANALYZER MAKE-MODEL-S/N SIEMENS ULTRAMAT 5E S/N B8-900
ANALYTICAL PRINCIPLE NON-DISPERSIVE INFRARED LAST CALIBRATION DATE 08/31/07
FIRST ANALYSIS DATE 09/05/07 SECOND ANALYSIS DATE 09/12/07

Z 0	R 150.3	C 111.0	CONC. 110.0	Z 0	R 152.4	C 112.0	CONC. 109.5
R 150.3	Z 0	C 110.9	CONC. 109.9	R 152.4	Z 0	C 112.0	CONC. 109.5
Z 0	C 110.9	R 150.3	CONC. 109.9	Z 0	C 112.0	R 152.5	CONC. 109.5
U/M PPM		MEAN TEST ASSAY	110.0	U/M PPM		MEAN TEST ASSAY	109.5

2. COMPONENT 22.95 % OXYGEN GMIS VS ANALYZER MAKE-MODEL-S/N Siemens Oxymat 5E S/N F1-111
ANALYTICAL PRINCIPLE Paramagnetic LAST CALIBRATION DATE 08/31/07
FIRST ANALYSIS DATE 09/15/07 SECOND ANALYSIS DATE

Z 0	R 23.14	C 11.56	CONC. 11.47	Z	R	C	CONC.
R 23.14	Z 0	C 11.56	CONC. 11.47	R	Z	C	CONC.
Z 0	C 11.56	R 23.14	CONC. 11.47	Z	C	R	CONC.
U/M %		MEAN TEST ASSAY	11.47	U/M %		MEAN TEST ASSAY	

VALUES NOT VALID BELOW 150 PSIG
UNCERTAINTIES: CO±0.7PPM; O2±0.06%

THIS CYLINDER NO. CC139125
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 09/12/07
EXPIRATION DATE 09/12/10 TERM

CERTIFIED CONCENTRATION

CARBON MONOXIDE	109.6PPM
OXYGEN	11.47%
NITROGEN	BALANCE

ANALYZED BY ANGELA BOLLINGER

CERTIFIED BY MB 9-12-07

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

Praxair
5700 South Alameda Street
Los Angeles, CA 90058
Telephone: (323) 585-2154
Facsimile: (323) 585-0582

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

CUSTOMER PDI PUERTO RICO **P.O NUMBER** 94779

REFERENCE STANDARD

COMPONENT	NIST SRM NO.	CYLINDER NO.	CONCENTRATION
NITRIC OXIDE GMIS	vsSRM#2629a	SA 171297	24.2 ppm
SULFUR DIOXIDE GMIS	vs.SRM#1693	CC 19018	10.4 ppm
CARBON DIOXIDE GMIS	vs.SRM#1674	CC 101954	5.04 %

ANALYZER READINGS

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

1. **COMPONENT** NITRIC OXIDE GMIS **ANALYZER MAKE-MODEL-S/N** Thermo Env. 42H S/N 42H-44979-273
   ANALYTICAL PRINCIPLE CHEMILUMINESCENCE **LAST CALIBRATION DATE** 10/04/07
   FIRST ANALYSIS DATE 10/08/07 **SECOND ANALYSIS DATE** 10/15/07

Z 0	R 23.45	C 24.08	CONC. 24.9	Z 0	R 24.21	C 24.24	CONC. 24.7
R 23.40	Z 0	C 23.88	CONC. 24.7	R 24.11	Z 0	C 24.56	CONC. 24.7
Z 0	C 23.90	R 23.38	CONC. 24.7	Z 0	C 24.56	R 24.12	CONC. 24.6
U/M ppm		MEAN TEST ASSAY	24.8	U/M ppm		MEAN TEST ASSAY	24.7

2. **COMPONENT** SULFUR DIOXIDE GMIS **ANALYZER MAKE-MODEL-S/N** ROSEMOUNT, 890129300000, 1000150
   ANALYTICAL PRINCIPLE ULTRAVIOLET ABSORPTION **LAST CALIBRATION DATE** 10/04/07
   FIRST ANALYSIS DATE 10/08/07 **SECOND ANALYSIS DATE** 10/15/07

Z 0	R 85.5	C 42.1	CONC. 5.12	Z 0	R 82.9	C 41.3	CONC. 5.18
R 85.8	Z 0	C 42.4	CONC. 5.14	R 83.0	Z 0	C 41.4	CONC. 5.19
Z 0	C 42.5	R 86.0	CONC. 5.14	Z 0	C 41.7	R 83.3	CONC. 5.21
U/M mV		MEAN TEST ASSAY	5.13	U/M mV		MEAN TEST ASSAY	5.19

3. **COMPONENT** CARBON DIOXIDE GMIS **ANALYZER MAKE-MODEL-S/N** Siemens Ultramat 5E S/N A12-730
   ANALYTICAL PRINCIPLE NDIR **LAST CALIBRATION DATE** 10/03/07
   FIRST ANALYSIS DATE 10/08/07 **SECOND ANALYSIS DATE**

Z 0	R 5.00	C 5.55	CONC. 5.59	Z	R	C	CONC.
R 4.99	Z 0	C 5.54	CONC. 5.59	R	Z	C	CONC.
Z 0	C 5.54	R 5.00	CONC. 5.58	Z	C	R	CONC.
U/M %		MEAN TEST ASSAY	5.59	U/M %			MEAN TEST ASSAY

THIS CYLINDER NO. CC 120473
HAS BEEN CERTIFIED ACCORDING TO SECTION EPA-600/R97/121
OF TRACEABILITY PROTOCOL NO. Rev. 9/97
PROCEDURE G1
CERTIFIED ACCURACY ± 1 **% NIST TRACEABLE**
CYLINDER PRESSURE 2000 **PSIG**
CERTIFICATION DATE 10/15/07
EXPIRATION DATE 04/15/08 **TERM** 6 MONTHS

CERTIFIED CONCENTRATION

NITRIC OXIDE	24.8 ppm
SULFUR DIOXIDE(±2%)	5.16 ppm
CARBON DIOXIDE	5.59 %
NITROGEN	BALANCE

NOx=15.2 ppm(For reference only). Values not valid below 150 psig. NO conc. is corrected for CO2 interference.

ANALYZED BY PHIL KIM *CERTIFIED BY* HENRY KOUNG

IMPORTANT
Information contained herein has been prepared at your request by qualified experts within Praxair Distribution, Inc. While we believe that the information is accurate within the limits of the analytical methods employed and is complete to the extent of the specific analyses performed, we make no warranty or representation as to the suitability of the use of the information for any particular purpose. The information is offered with the understanding that any use of the information is at the sole discretion and risk of the user. In no event shall liability of Praxair Distribution, Inc. arising out of the use of the information contained herein exceed the fee established for providing such information.

PRAXAIR

CB1 Entered 08/27/07 JAE

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 3304942-03

REFERENCE STANDARD

COMPONENT	NIST SRM NO.	CYLINDER NO.	CONCENTRATION
187 PPM NITRIC OXIDE GMIS VS	1685b	FF28120	245.3 PPM
150.8 PPM SULFUR DIOXIDE GMIS VS	1694a	XF004068B	97.9 PPM

ANALYZER READINGS

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

1. **COMPONENT** 187 PPM NITRIC OXIDE GMIS VS **ANALYZER MAKE-MODEL-S/N** TECO MODEL 42C 42CHL-55533-304

ANALYTICAL PRINCIPLE CHEMILUMINESCENCE **LAST CALIBRATION DATE** 07/31/07

FIRST ANALYSIS DATE 08/16/07 **SECOND ANALYSIS DATE** 08/23/07

Z 0	R 184.9	C 177.1	CONC. 179.7	Z 0	R 190.0	C 181.8	CONC. 179.4
R 184.4	Z 0	C 177.4	CONC. 180.0	R 189.5	Z 0	C 181.6	CONC. 179.2
Z 0	C 177.0	R 187.6	CONC. 179.6	Z 0	C 181.0	R 188.9	CONC. 178.6

U/M PPM **MEAN TEST ASSAY** 179.8 U/M PPM **MEAN TEST ASSAY** 179.1

2. **COMPONENT** 150.8 PPM SULFUR DIOXIDE GMI **ANALYZER MAKE-MODEL-S/N** SIEMENS ULTRAMAT 5E S/N C7-228

ANALYTICAL PRINCIPLE NON-DISPERSIVE INFRARED **LAST CALIBRATION DATE** 07/31/07

FIRST ANALYSIS DATE 08/16/07 **SECOND ANALYSIS DATE** 08/23/07

Z 0	R 152.6	C 45.09	CONC. 44.6	Z 0	R 152.6	C 45.40	CONC. 44.8
R 152.3	Z 0	C 45.41	CONC. 44.9	R 152.9	Z 0	C 45.32	CONC. 44.8
Z 0	C 45.25	R 152.4	CONC. 44.8	Z 0	C 45.19	R 152.4	CONC. 44.6

U/M PPM **MEAN TEST ASSAY** 44.8 U/M PPM **MEAN TEST ASSAY** 44.8

VALUES NOT VALID BELOW 150 PSIG

UNCERTAINTIES: NO±1.2PPM; SO2±0.5PPM

THIS CYLINDER NO. CC138508
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 08/23/07
EXPIRATION DATE 08/23/09 **TERM**

CERTIFIED CONCENTRATION

NITRIC OXIDE	179PPM
SULFUR DIOXIDE	44.8PPM
NITROGEN	BALANCE
NOx (FOR REFERENCE ONLY)	179PPM

ANALYZED BY MELISSA BORDIERE

CERTIFIED BY 8/23/07

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

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

DATE: 3/22/08	INITIALS: J.A.R.
MALFUNCTION START DATE/TIME: 3/22/08 / 11:52 A.M.	MALFUNCTION END DATE/TIME: 3/23/2008 / 12:05 P.M.
UNIT/SYSTEM:	Unit I / CO2
ANALYZER, MONITOR, COMPONENT SERVICED:	Analyzer

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

1) Found CO2 span calibration on warning alarm.
2) Sample Pump line Pluggged.

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

1) Unplugged Sample Pupline.
2) Recalibrated CO2 span of the Analyzer

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

1) Resetted Alarm
2) Working Properly

FIGURE 10-1

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

DATE: 1/1/08	INITIALS: F.A.R.
MALFUNCTION START DATE/TIME: 1/1/08	MALFUNCTION END DATE/TIME: 1/1/08
UNIT/SYSTEM:	Unit # 2
ANALYZER, MONITOR, COMPONENT SERVICED:	Opacity Meter

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

Received call In from Luis Lasanta (Shift Supervisor) Because Opacity Meter of the Unit II malfuctione.

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

Cleaned Optic Lens and Recalibrated of the opacity Meter of the Unit II

AS LEFT CONDITION (NOTE CORRECTED VALUES WHERE APPLICABLE):

Let Working Properly.

FIGURE 10-1

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

DATE: 1/14/08	INITIALS: FiAR
MALFUNCTION START DATE/TIME: 1/11/08 / 9:45 A.M.	MALFUNCTION END DATE/TIME: 1/11/08 / 9:56 A.M.
UNIT/SYSTEM:	2
ANALYZER, MONITOR, COMPONENT SERVICED:	Opacity Meter

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

Found Dirt Optic Lens in the opacity Meter Unit II

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

1) Cleaned optic lens and Dust canister of the Opacity Meter
2) Recalibrated

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Reseted alarm and working properly.

FIGURE 10-1

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

DATE: 01/14/08	INITIALS: J.B.
MALFUNCTION START DATE/TIME: 01/12/08 / 14:45	MALFUNCTION END DATE/TIME: 01/12/08 / 15:11
UNIT/SYSTEM:	Unit II / CO2
ANALYZER, MONITOR, COMPONENT SERVICED:	Analyzer

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

Found CO2 Span calibration alarm

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

1) Recalibrated Span calibration of the CO2 analyzer
2) Reseted Lockout alarm in the CO2 analyzer.

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

1) Working Properly

FIGURE 10-1

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

DATE: 1/25/08	INITIALS: 1/25/08
MALFUNCTION START DATE/TIME: 1/25/08 / 4:00 P.M.	MALFUNCTION END DATE/TIME: 1/25/08 / 5:18 P.M.
UNIT/SYSTEM:	Unit 2 / CO2 analyzer
ANALYZER, MONITOR, COMPONENT SERVICED:	Analyzer

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

CO2 analyzer ~~bad~~ loss indication.

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

Replaced Dilution 50:1 device and Recalibrate CO2 Span of the Analyzer

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Working properly

F. Guaya / J. Bermudez

FIGURE 10-1

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

DATE: 1/27/08	INITIALS: J.O.-O
MALFUNCTION START DATE/TIME: 1/27/08 / 13:43	MALFUNCTION END DATE/TIME: 1/27/08 / 14:58
UNIT/SYSTEM:	Unit 2 / CO2 Analyzer
ANALYZER, MONITOR, COMPONENT SERVICED:	Analyzer

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

Found CO2 and SO2 Span On Alarms

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

1) Flushed and Cleaned Dilution
2) Recalibrated CO2 and SO2 Span
3) Reseted both Alarms (SO2 and CO2)

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Working Properly

FIGURE 10-1

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

DATE: 1/22/08	INITIALS: F.A.R.
MALFUNCTION START DATE/TIME: 1/22/08 / 20:08	MALFUNCTION END DATE/TIME: 1/22/08 / 21:02
UNIT/SYSTEM:	Unit 2 / CO2 Analyzer
ANALYZER, MONITOR, COMPONENT SERVICED:	Analyzer

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

1) CO2 Reading very High.
2) Sample line had water

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

flushed and Recalibrated CO2 span

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Working Properly

FIGURE 10-1

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

DATE: 2/5/08	INITIALS: J.A.R
MALFUNCTION START DATE/TIME: 2/5/08 / 13:19	MALFUNCTION END DATE/TIME: 2/5/08 / 13:27
UNIT/SYSTEM:	Unit II / SO2 analyzer
ANALYZER, MONITOR, COMPONENT SERVICED:	Analyzer (SO2)

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

Found SO2 span in warning alarm

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

Recalibrated SO2 span and ressetted alarm.

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Working Properly.

FIGURE 10-1

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

DATE: 02/07/08	INITIALS: JMB / FAR
MALFUNCTION START DATE/TIME: 02/07/08 7:33AM	MALFUNCTION END DATE/TIME: 02/07/08 9:30 AM
UNIT/SYSTEM:	Unit 2 Opacity Meter
ANALYZER, MONITOR, COMPONENT SERVICED:	Optic Lens.

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

Optic Lens Dirty and disaling

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

Lens clean, alignment and re-calibrate

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Let working properly

FIGURE 10-1

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

DATE: 2/7/08	INITIALS: P.A.R.
MALFUNCTION START DATE/TIME: 2/7/08 / 11:00 P.M.	MALFUNCTION END DATE/TIME: 2/7/08 / 11:40 P.M.
UNIT/SYSTEM:	Unit I & II / CEMS
ANALYZER, MONITOR, COMPONENT SERVICED:	Loss Indication of the CEMS

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

Loss Indication on the monitors of the CEMS

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

Found low battery alarm indicating CEMS main P.C. Performed auto boot in the main P.C. and Pending to call Spectrum systems to talk about "low battery alarm".

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Working Properly

FIGURE 10-1

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

DATE: 2/11/08	INITIALS: F.A.R.
MALFUNCTION START DATE/TIME: 2/11/08 / 9:32 A.M.	MALFUNCTION END DATE/TIME: 2/11/08 / 9:57 A.M.
UNIT/SYSTEM:	Unit II / opacity Meter
ANALYZER, MONITOR, COMPONENT SERVICED:	Opacity Probes

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

Found Opacity Probe was disaligned.

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

Aligned, Cleaned Optic Lens and Recalibrated Opacity Meter

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Working Properly

FIGURE 10-1

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

DATE: 2/28/08	INITIALS: J.A.R. / J.B.
MALFUNCTION START DATE/TIME: 2/28/08 / 14:52 P.M.	MALFUNCTION END DATE/TIME: 2/28/08 / 15:09 P.M.
UNIT/SYSTEM:	Unit 2 / SO2 analyzer
ANALYZER, MONITOR, COMPONENT SERVICED:	Analyzer

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

Found SO2 span warning alarm

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

Recalibrated SO2 span mode

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Working Properly

FIGURE 10-1

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

DATE: 3/3/08	INITIALS: J. Ad.
MALFUNCTION START DATE/TIME: 3/3/08 / 10:00 A.M.	MALFUNCTION END DATE/TIME: 1059 a.m. / 3/3/08
UNIT/SYSTEM:	Unit II / Opacity Meter
ANALYZER, MONITOR, COMPONENT SERVICED:	Opacity Probe

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

Found disaligment Opacity Probe

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

Aligment and Recalibrated Opacity Meter

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Working Properly

FIGURE 10-1

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

DATE: 3/9/08	INITIALS: F.A.U.
MALFUNCTION START DATE/TIME: 3/9/08 / 11:13am.	MALFUNCTION END DATE/TIME: 3/9/08 / 11:30 a.m.
UNIT/SYSTEM:	Unit II / opacity meter
ANALYZER, MONITOR, COMPONENT SERVICED:	Opacity Probe

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

found opacity Probe was bisaliquent

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

Aliquent and cleaned Optic lens of the Opacity

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Working Properly

FIGURE 10-1

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

DATE: 3/18/08	INITIALS: J.A.R.
MALFUNCTION START DATE/TIME: 3/18/08 / 7:49 a.m.	MALFUNCTION END DATE/TIME: 3/18/08 / 8:51 a.m
UNIT/SYSTEM:	Unit II / Opacity Meter
ANALYZER, MONITOR, COMPONENT SERVICED:	Optic lens

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

1) Found Opacity Meter of the Unit II on warning alarm

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

1) Cleaned Optic lens and Recalibrated Opacity Meter
2) Reseted warning alarm of the Opacity Meter.

AS LEFT CONDITION (NOTE CORRECTED VALUES WHERE APPLICABLE):

1) Working Properly.

FIGURE 10-1

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

DATE: 3/18/08	INITIALS: J.A.R.
MALFUNCTION START DATE/TIME: 3/18/08 / 11:01 a.m.	MALFUNCTION END DATE/TIME: 3/18/08
UNIT/SYSTEM:	Unit II / Oxigen & NOX analyzer
ANALYZER, MONITOR, COMPONENT SERVICED:	Analyzers

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

1) Found NOx and Oxigen Analyzers were on warning alarms.

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

1) Unplugged Sample Lines
2) Recalibrate NOx and Oxigen Analyzers
3)

AS LEFT CONDITION (NOTE CORRECTED VALUES WHERE APPLICABLE):

1) Resetted Alarms and Working Properly

FIGURE 10-1

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

DATE: 3/20/08	INITIALS: J.A.R. / J.B.
MALFUNCTION START DATE/TIME: 3/20/08 / 13:35 P.M.	MALFUNCTION END DATE/TIME: 3/20/08 / 15:00 P.M.
UNIT/SYSTEM:	Unit II / SO2 & O2
ANALYZER, MONITOR, COMPONENT SERVICED:	Analyzers

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

1) found SO2 span mode on warning alarm.
2) " O2 zero " " " " .

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

3) Checked Samples line, was leaking thru lines
4) Recalibrate both analyzers

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

1) Reset Alarms and working Properly

FIGURE 10-1

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

DATE: 3/26/08	INITIALS: J.A.R. / JB
MALFUNCTION START DATE/TIME: 3/26/08 / 14:33	MALFUNCTION END DATE/TIME: 3/26/08 / 14:42
UNIT/SYSTEM:	Unit II / CO2 analyzer
ANALYZER, MONITOR, COMPONENT SERVICED:	

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

1) found CO2 span calibration mode on warning alarm.

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

1) Flushed Sample Pup Line of the CO2
2) Recalibrated CO2 Span

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

1) Working Properly and Resetted alarm.

FIGURE 10-1

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

DATE: 3/28/08	INITIALS: J.B. / F.A.R.
MALFUNCTION START DATE/TIME: 3/28/08 / 12:38 P.M.	MALFUNCTION END DATE/TIME: 3/28/08 /
UNIT/SYSTEM:	Unit 2 / CO2 analyzer
ANALYZER, MONITOR, COMPONENT SERVICED:	Analyzer

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

1) found CO2 span calibration mode on ~~warning~~ alarm.
2) Plug Sample Pup line of the CO2 Dilution

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

1) Unplugged sample Pup line of the CO2 Dilution
2) Recalibrated CO2 span

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

1) Reseted alarm
2) CO2 analyzer let working Properly.

FIGURE 10-1

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

DATE: 2/27/08	INITIALS: J.A.R.
MALFUNCTION START DATE/TIME: Feb. 27, 2008 / 09:22 a.m.	MALFUNCTION END DATE/TIME: Feb. 27, 2008 / 9:57 am
UNIT/SYSTEM:	Unit I Sample Lines
ANALYZER, MONITOR, COMPONENT SERVICED:	

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

Sample Lines Plugged

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

Unplugged and Flushed sample Lines

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Working Properly

FIGURE 10-1

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

DATE: 3/12/08	INITIALS: J.A.R.
MALFUNCTION START DATE/TIME: 3/13/08 / 8:55 a.m.	MALFUNCTION END DATE/TIME: 3/13/08 / 9:04 am.
UNIT/SYSTEM:	Unit 2 / CO2 analyzer
ANALYZER, MONITOR, COMPONENT SERVICED:	CO2 analyzer

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

Found CO2 span warning alarm.

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

Calibrated CO2 Span of the analyzer and Reseted Warning alarm.

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Working Properly.

FIGURE 10-1

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

DATE: 3/15/08	INITIALS: J.A. / G.A.
MALFUNCTION START DATE/TIME: 3/15/08 / 11:00 A.M.	MALFUNCTION END DATE/TIME: 3/15/08 / 3:30 P.M.
UNIT/SYSTEM:	Unit I / CO2 analyzer
ANALYZER, MONITOR, COMPONENT SERVICED:	Analyzer

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

Found CO2 Span on warning alarm. Do not pass Span Calibration Mode.

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

Unplugged Sample Lines and Recalibrate CO2 Analyzer.

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

Working Properly

FIGURE 10-1

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

DATE: 3/20/08	INITIALS: J.A.A / J.B.
MALFUNCTION START DATE/TIME: 3/20/08 / 12:30 P.M.	MALFUNCTION END DATE/TIME: 3/20/08 / 13:30 P.M.
UNIT/SYSTEM:	Unit I / CO2
ANALYZER, MONITOR, COMPONENT SERVICED:	Analyzer

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

1) found CO2 span mode on warning alarm.

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

1) Unplugged Sample pump lines
2) Recalibrated CO2 Span

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

1) Ressetted alarm
2) Unit Working properly

FIGURE 10-1

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

DATE: 3/23/08	INITIALS: J.A.R.
MALFUNCTION START DATE/TIME: 2/23/08 / 11:50 A.M.	MALFUNCTION END DATE/TIME: 3/23/08 / 11:55 A.M.
UNIT/SYSTEM:	Unit I / opacity
ANALYZER, MONITOR, COMPONENT SERVICED:	Monitor

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

1) Found Opacity Monitor on alarm

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

1) Recalibrated Opacity Meter.

AS LEFT CONDITION
(NOTE CORRECTED VALUES WHERE APPLICABLE):

1) Resetted Alarm
2) Working Properly

FIGURE 10-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CEMS WEEKLY CHECK FORM

UNIT: 1/2

DATE: 1/4/08 TIME STARTED: 13:00

INITIALS: J.A.R. TIME COMPLETED: 14:26

CALIBRATION GAS CYLINDERS	
ANY CYLINDER BELOW 150 PSI? (Y/N)	N
COMMENTS:	
1) Replaced CB2 Cilynder.	
2) Cleaned Optic lens of the Opacity Meter Unit 1&2.	

ANY YES (Y) RESPONSE
REQUIRES CORRECTIVE ACTION

FIGURE 5-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CEMS WEEKLY CHECK FORM

UNIT: 1/2

DATE: 1/11/08 TIME STARTED: 9:30

INITIALS: J.A.R. TIME COMPLETED: 9:59

CALIBRATION GAS CYLINDERS	
ANY CYLINDER BELOW 150 PSI? (Y/N)	N
COMMENTS:	
1) Found Dirt Optic Lens Alarm in the	
opacity Meter of the Unit II. Cleaned optic	
lenses and Recalibrated. Reset the Alarm	

ANY YES (Y) RESPONSE
REQUIRES CORRECTIVE ACTION

FIGURE 5-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CEMS WEEKLY CHECK FORM

UNIT: 1 and 2

DATE: 1/18/2008 TIME STARTED: 12:24

INITIALS: J.A.R. TIME COMPLETED: 13:15

CALIBRATION GAS CYLINDERS	
ANY CYLINDER BELOW 150 PSI? (Y/N)	Y
COMMENTS:	
1) Replaced CB1 : NOx, CO2 and SO2	
CB2 : CO and O2	
CB3 : Nitrogen	

ANY YES (Y) RESPONSE
REQUIRES CORRECTIVE ACTION

FIGURE 5-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CEMS WEEKLY CHECK FORM

UNIT: 1/2

DATE: 1/25/08 TIME STARTED: 08:58

INITIALS: J.A.R. TIME COMPLETED: 08:59

CALIBRATION GAS CYLINDERS	
ANY CYLINDER BELOW 150 PSI? (Y/N)	N
COMMENTS:	

ANY YES (Y) RESPONSE
REQUIRES CORRECTIVE ACTION

FIGURE 5-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CEMS WEEKLY CHECK FORM

UNIT: 1/2

DATE: 2/1/2008 TIME STARTED: 08:34

INITIALS: J.A.R TIME COMPLETED: 08:35

CALIBRATION GAS CYLINDERS	
ANY CYLINDER BELOW 150 PSI? (Y/N)	N
COMMENTS:	

ANY YES (Y) RESPONSE
REQUIRES CORRECTIVE ACTION

FIGURE 5-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CEMS WEEKLY CHECK FORM

UNIT: 1 y 2

DATE: 02/07/08 TIME STARTED: 9:25 AM

INITIALS: JMB/FAR TIME COMPLETED: 9:26 AM

CALIBRATION GAS CYLINDERS	
ANY CYLINDER BELOW 150 PSI? (Y/N)	Yes
COMMENTS:	
Replaced CB1 cylinder	

ANY YES (Y) RESPONSE
REQUIRES CORRECTIVE ACTION

FIGURE 5-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CEMS WEEKLY CHECK FORM

UNIT: 1/2

DATE: 2/8/08 TIME STARTED: 10:10 A.M.

INITIALS: J.A.R. TIME COMPLETED: 10:30 A.M.

CALIBRATION GAS CYLINDERS	
ANY CYLINDER BELOW 150 PSI? (Y/N)	Y
COMMENTS:	
Replaced CB1 and CB3	
CB1 = Nitric Oxide, Sulfur Dioxide and Carbon Dioxide	
CB2 = Nitrogen	

ANY YES (Y) RESPONSE
REQUIRES CORRECTIVE ACTION

FIGURE 5-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CEMS WEEKLY CHECK FORM

UNIT: 1/2

DATE: 2/15/08 TIME STARTED: 13:10

INITIALS: J.A.V. TIME COMPLETED: 13:11

CALIBRATION GAS CYLINDERS	
ANY CYLINDER BELOW 150 PSI? (Y/N)	N
COMMENTS:	

ANY YES (Y) RESPONSE
REQUIRES CORRECTIVE ACTION

FIGURE 5-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CEMS WEEKLY CHECK FORM

UNIT: 1/2

DATE: 02/22/08 TIME STARTED: 15:40

INITIALS: JMB/FA TIME COMPLETED: 15:50

CALIBRATION GAS CYLINDERS	
ANY CYLINDER BELOW 150 PSI? (Y/N)	Yes
COMMENTS:	
CB2 Cylinder was changed.	
(CO-O_2)	

ANY YES (Y) RESPONSE
REQUIRES CORRECTIVE ACTION

FIGURE 5-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CEMS WEEKLY CHECK FORM

UNIT: 1/2

DATE: 2/28/08 TIME STARTED: 15:10 p.m.

INITIALS: J.A.R / J.B. TIME COMPLETED: 15:14 p.m.

CALIBRATION GAS CYLINDERS	
ANY CYLINDER BELOW 150 PSI? (Y/N)	Y
COMMENTS:	
Replaced CB1 → NOX, SO2 and CO2 samples.	

ANY YES (Y) RESPONSE
REQUIRES CORRECTIVE ACTION

FIGURE 5-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CEMS WEEKLY CHECK FORM

UNIT: 1/2

DATE: 3/3/08 TIME STARTED: 16:20

INITIALS: J.A.R. TIME COMPLETED: 16:22

CALIBRATION GAS CYLINDERS	
ANY CYLINDER BELOW 150 PSI? (Y/N)	Y
COMMENTS:	
Replaced CB3 (Nitrogen Cylinder)	

ANY YES (Y) RESPONSE
REQUIRES CORRECTIVE ACTION

FIGURE 5-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CEMS WEEKLY CHECK FORM

UNIT: 1/2

DATE: 3/7/08 TIME STARTED: 8:00 A.M

INITIALS: J.A.R. TIME COMPLETED: 8:05 A.M.

CALIBRATION GAS CYLINDERS	
ANY CYLINDER BELOW 150 PSI? (Y/N)	N
COMMENTS:	

ANY YES (Y) RESPONSE
REQUIRES CORRECTIVE ACTION

FIGURE 5-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CEMS WEEKLY CHECK FORM

UNIT: 1/2

DATE: 3/14/08 TIME STARTED: 09:24 a.m.

INITIALS: J.A.N. TIME COMPLETED: 09:25 a.m.

CALIBRATION GAS CYLINDERS	
ANY CYLINDER BELOW 150 PSI? (Y/N)	N
COMMENTS:	

ANY YES (Y) RESPONSE
REQUIRES CORRECTIVE ACTION

FIGURE 5-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CEMS WEEKLY CHECK FORM

UNIT: 1/2

DATE: 3/20/08 TIME STARTED: 2:30 p.m.

INITIALS: J.A.R. / J.B. TIME COMPLETED: 3:00 p.m.

CALIBRATION GAS CYLINDERS	
ANY CYLINDER BELOW 150 PSI? (Y/N)	Y
COMMENTS:	
Replaced CB2 (CO & O2) and CB3 (Nitrogen).	

ANY YES (Y) RESPONSE
REQUIRES CORRECTIVE ACTION

FIGURE 5-1

A.E.S. PUERTO RICO COGENERATION PLANT
UNITS 1 and 2
CEMS WEEKLY CHECK FORM

UNIT: 1 | 2

DATE: 3/28/08 TIME STARTED: 13:00

INITIALS: J.A.A / J.B. TIME COMPLETED: 13:30

CALIBRATION GAS CYLINDERS	
ANY CYLINDER BELOW 150 PSI? (Y/N)	Y
COMMENTS:	
Replaced CO2 Cylinder	

ANY YES (Y) RESPONSE
REQUIRES CORRECTIVE ACTION

FIGURE 5-1