INTERNATIONAL PAPER

RIVERDALE MILL
601 COUNTY ROAD 78
SELMA, AL 36703
PHONE: (334) 872-3481

April 26, 2011

Mr. Ron Gore, Chief
Air Division
Alabama Department of Environmental Management
1400 Coliseum Boulevard
Montgomery, Alabama 36110

Subject: First Quarter 2011 Non-MACT Monitoring Reports

Dear Mr. Gore:

The attached table lists the 1Q11 quarterly air reports that are not submitted as a requirement of MACT II for the reporting period of January through March 2011.

Please call me or Randy Boone at 334/418-5232 if you have questions, comments or require additional information.

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

Sincerely,

Russell V. Harris
Mill Manager

Attachments

cc: K.R. Trosper

International Paper - Riverdale Mill
Non-MACT Quarterly Air Monitoring Report List
January 1, 2011 to March 31, 2011

Source	Parameter	Report Period	Comments
No. 1 Recovery Boiler	TRS	Fourth Quarter 2010	Submitted January 2011 with 4th Quarter Report
		First Quarter 2011	Enclosed
No. 2 Recovery Boiler	TRS	Fourth Quarter 2010	Submitted January 2011 with 4th Quarter Report
		First Quarter 2011	Enclosed
Gas Turbine / Duct Burner	Nox Water-to-Fuel Ratio	Fourth Quarter 2010	Submitted January 2011 with 4th Quarter Report
		First Quarter 2011	Enclosed
No. 2 Bark Boiler	Opacity	Fourth Quarter 2010	Submitted January 2011 with 4th Quarter Report
		First Quarter 2011	Enclosed
No. 3 Lime Kiln	TRS	Fourth Quarter 2010	Submitted January 2011 with 4th Quarter Report
		First Quarter 2011	Enclosed

INTERNATIONAL PAPER

COMPLIANCE REPORT

for meeting reporting requirements of Title V

General Information

Facility Identification	
Name:	**Riverdale Mill**
Address:	**601 County Road 78**
City:	**Selma** State: **Alabama** Zip: **36703**
End of Reporting Period	3/31/2011
Relevant standard that is the basis for this report	Title V
Process units covered by this report	- Nos 1 & 2 Recovery Boilers - TRS - Gas Turbine / HRSG - NOx Water to Fuel Ratio - No. 2 Bark Boiler - Opacity
Reports submitted for each process unit	- Emission Data Summary - CMS Performance Summary - Emission Data Detail for SSM Events and Other Events - CMS Performance Detail for Downtime Events
Notes/Comments:	

Certification

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

Name: Russell V. Harris

Title: Mill Manager

Signature: Russell V Harris

Report Date: 4/28/11

INTERNATIONAL PAPER
RIVERDALE MILL, 601 COUNTY ROAD 78
SELMA, ALABAMA 36703

CONTINUOUS EMISSION MONITOR MONTHLY REPORT
SUPPLEMENTAL FORM

SOURCE NAME:	No. 1 RECOVERY BOILER
EMISSION POINT LOCATION:	STACK
POLLUTANT MONITORED:	TRS
MONITOR MANUFACTURER:	ACS
SYSTEM MODEL No.:	600
ANALYZER MODEL No.:	API 100E
SYSTEM SERIAL No.:	06107C RB1
ANALYZER SERIAL No.:	1205
DATE OF CERTIFICATION:	JANUARY 2007
TIME PERIOD:	FIRST QUARTER 2011
TOTAL SOURCE OPERATION TIME:	1,920
DATE:	4/26/2011

REASON FOR EXCESS EMISSION:	TOTAL DURATION HOURS
A Startup / Shutdown	0
B Cleaning / Sootblowing	0
C Process Equipment Malfunction	0
D Unknown/Other	0
REASON FOR MONITOR DOWNTIME	
E Monitor Equipment Malfunction	0
F Non-Monitor Equipment Malfunction	0
G Calibration	0
H Unknown/Other	0

TO BE FILLED IN BY STATE AGENCY

CDS SOURCE ID #:_____

CDS COUNTY #:_____

DATE CEM MONTHLY REPORT RECEIVED: _____

INTERNATIONAL PAPER
RIVERDALE MILL, 601 COUNTY ROAD 78
SELMA, ALABAMA 36703

CONTINUOUS EMISSION MONITOR REPORT

SOURCE NAME: No. 1 RECOVERY BOILER

POLLUTANT MONITORED: TRS

TIME PERIOD: FIRST QUARTER 2011

EXCURSION DATE	EXCURSION REASON CODE	EXCURSION CORRECTIVE ACTION CODE

EXCURSION REASON:

REASON FOR EXCESS EMISSION:
A Startup / Shutdown
B Cleaning / Sootblowing
C Process Equipment Malfunction
D Unknown / Other

REASON FOR MONITOR DOWNTIME:
E Monitor Equipment Malfunction
F Non-Monitor Equipment Malfunction
G Calibration
H Unknown / Other

EXCURSION CORRECTIVE ACTIONS:

CORRECTIVE ACTION FOR EXCESS EMISSION:
A Complete Startup / Shutdown
B Complete Cleaning / Sootblowing
C Correct Process Equipment Malfunction
D Unknown / Other

CORRECTIVE ACTION FOR MONITOR DOWNTIME:
E Correct Monitor Equipment Malfunction
F Correct Non-Monitor Equipment Malfunction
G Complete Calibration
H Unknown / Other

Attachment 1

No. 1 Recovery Boiler TRS Monitor Downtime Summary

Date	Downtime Hours	Reason
		No monitor downtime.

TRS Summary Report

Source: RB1 JAN 2011
Limit: 12 Hr Corrected Avg > 20 ppm
Units: ppm

	1st 12 Hours Averages			2nd 12 Hour Averages			
DATE	O2	TRS	TRS /O2	O2	TRS	TRS /O2	COMMENTS
1/1/11	5.47	1.59	1.33	5.55	1.24	1.04	
1/2/11	5.47	0.76	0.64	5.43	0.85	0.71	
1/3/11	6.00	0.38	0.33	6.42	0.27	0.24	
1/4/11	7.00	0.22	0.21	8.06	0.69	0.70	
1/5/11	7.12	0.30	0.28	5.19	4.78	3.92	
1/6/11	5.83	1.59	1.36	5.83	2.99	2.56	
1/7/11	5.84	3.47	2.97	4.93	8.31	6.71	
1/8/11	5.78	3.03	2.58	5.97	1.02	0.88	
1/9/11	6.27	0.68	0.60	5.96	0.86	0.74	
1/10/11	5.75	0.85	0.72	5.54	1.35	1.13	
1/11/11	5.99	3.04	2.63	5.97	1.57	1.36	
1/12/11	6.10	0.82	0.72	5.80	1.48	1.27	
1/13/11	6.93	0.56	0.52	7.90	0.23	0.22	
1/14/11	7.76	0.23	0.23	5.91	1.04	0.89	
1/15/11	5.76	2.96	2.52	5.79	1.46	1.25	
1/16/11	5.58	1.19	1.00	5.15	8.44	6.91	
1/17/11	5.45	2.54	2.13	5.39	5.35	4.45	
1/18/11	6.16	3.83	3.35	6.53	0.94	0.85	
1/19/11	7.56	4.23	4.09	7.91	9.99	9.92	
1/20/11	5.59	9.50	8.00	6.62	2.50	2.26	
1/21/11	8.75	1.31	1.39	6.08	9.48	8.25	
1/22/11	6.19	4.01	3.52				
1/23/11							Down
1/24/11							Down
1/25/11							Down
1/26/11							Down
1/27/11							Down
1/28/11							Down
1/29/11							Down
1/30/11							Down
1/31/11							Down

Total Production: 518 Hours

TRS Summary Report

Source: RB1 FEB 2011
Limit: 12 Hr Corrected Avg > 20 ppm
Units: ppm

	1st 12 Hours Averages			2nd 12 Hour Averages			
DATE	O2	TRS	TRS /O2	O2	TRS	TRS /O2	COMMENTS
2/1/11	9.20	7.80	8.60	6.64	10.45	9.45	
2/2/11	6.08	10.58	9.21	6.28	10.91	9.63	
2/3/11	5.77	6.58	5.61	5.61	7.78	6.56	
2/4/11	6.18	6.37	5.58	6.49	8.31	7.44	
2/5/11	5.92	2.98	2.57	7.00	0.69	0.64	
2/6/11	8.08	1.03	1.04	6.56	1.53	1.38	
2/7/11	5.64	7.63	6.45				Down
2/8/11	9.20	0.39	0.43	6.78	3.78	3.45	
2/9/11	5.38	4.60	3.82	8.79	1.81	1.93	
2/10/11	8.99	3.10	3.36	6.15	1.50	1.31	
2/11/11	5.64	3.03	2.56	5.32	2.23	1.85	
2/12/11	5.77	4.43	3.78	5.85	6.63	5.68	
2/13/11	7.71	0.07	0.07	5.48	5.11	4.27	
2/14/11	6.22	1.73	1.52	6.76	0.26	0.24	
2/15/11	7.33	0.23	0.22	6.85	0.24	0.22	
2/16/11	6.19	2.84	2.49	5.93	0.58	0.50	
2/17/11	6.43	0.46	0.41	6.09	1.74	1.52	
2/18/11	6.19	2.21	1.93	6.74	1.02	0.93	
2/19/11	6.61	0.34	0.31	5.69	1.66	1.41	
2/20/11	4.87	11.25	9.05	5.40	3.68	3.06	
2/21/11	5.81	4.02	3.43	5.74	4.38	3.73	
2/22/11	5.44	2.39	1.99	5.68	2.83	2.40	
2/23/11	5.54	3.94	3.31	6.02	1.34	1.16	
2/24/11	6.07	2.74	2.38	5.79	2.07	1.77	
2/25/11	6.32	1.05	0.92	7.58	0.14	0.13	
2/26/11	6.27	2.76	2.44	5.92	2.34	2.01	
2/27/11	5.55	2.57	2.16	4.86	4.14	3.33	
2/28/11	4.87	9.75	7.84	4.80	11.76	9.42	

Total Production: 661 Hours

TRS Summary Report

Source: RB1 MAR 2011
Limit: 12 Hr Corrected Avg > 20 ppm
Units: ppm

	1st 12 Hours Averages			2nd 12 Hour Averages			
DATE	O2	TRS	TRS /O2	O2	TRS	TRS /O2	COMMENTS
3/1/11	5.32	7.53	6.24	5.25	7.64	6.30	
3/2/11	5.45	6.29	5.25	5.18	18.32	15.03	
3/3/11	6.24	1.60	1.40	6.22	4.17	3.67	
3/4/11	5.71	4.53	3.85	5.55	11.92	10.02	
3/5/11	5.02	9.11	7.40	5.07	8.79	7.16	
3/6/11	5.12	6.39	5.22	5.33	2.03	1.68	
3/7/11	5.96	0.36	0.31	5.66	0.51	0.43	
3/8/11	6.01	0.59	0.51	5.88	1.04	0.90	
3/9/11	5.82	3.15	2.69	6.02	0.71	0.61	
3/10/11	6.20	0.57	0.50	7.07	0.16	0.15	
3/11/11	6.91	1.41	1.30	6.02	0.79	0.68	
3/12/11	6.51	0.22	0.19	5.61	2.59	2.19	
3/13/11	5.46	3.10	2.59	5.43	7.41	6.18	
3/14/11	5.57	4.18	3.51	5.37	4.40	3.66	
3/15/11	7.63	2.77	2.69	5.67	8.81	7.46	
3/16/11	6.21	1.53	1.35	6.06	2.28	1.98	
3/17/11	7.34	1.10	1.04	5.59	7.30	6.15	
3/18/11	5.14	8.48	6.94	5.74	3.70	3.15	
3/19/11	5.44	3.50	2.92	5.57	3.69	3.11	
3/20/11	5.69	4.81	4.08	6.40	2.24	1.99	
3/21/11	5.88	2.90	2.49	5.66	8.19	6.93	
3/22/11	5.55	5.60	4.71	6.11	2.53	2.20	
3/23/11	6.39	0.87	0.77	6.59	0.62	0.56	
3/24/11	6.41	0.81	0.72	6.24	1.06	0.93	
3/25/11	6.15	2.69	2.35	5.64	2.14	1.81	
3/26/11	5.77	1.80	1.54	5.70	5.63	4.78	
3/27/11	5.64	3.51	2.97	5.70	2.49	2.12	
3/28/11	5.88	0.81	0.69	6.15	0.55	0.48	
3/29/11	6.89	0.24	0.22	5.84	2.48	2.12	
3/30/11	5.58	5.75	4.84	5.69	6.82	5.79	
3/31/11	6.25	2.25	1.98	6.00	2.61	2.26	

Total Production: **741 Hours**

INTERNATIONAL PAPER
RIVERDALE MILL, 601 COUNTY ROAD 78
SELMA, ALABAMA 36703

CONTINUOUS EMISSION MONITOR MONTHLY REPORT
SUPPLEMENTAL FORM

SOURCE NAME:	No. 2 RECOVERY BOILER
EMISSION POINT LOCATION:	STACK
POLLUTANT MONITORED:	TRS
MONITOR MANUFACTURER:	ACS
SYSTEM MODEL No.:	600
ANALYZER No.:	API 100E
SYSTEM SERIAL No.:	05065C RB2
ANALYZER SERIAL NO.:	1079
DATE OF CERTIFICATION:	MAY 2006
TIME PERIOD:	FIRST QUARTER 2011
TOTAL SOURCE OPERATION TIME:	2,071
DATE:	4/26/2011

REASON FOR EXCESS EMISSION:	TOTAL DURATION HOURS
A Startup / Shutdown	0
B Cleaning / Sootblowing	0
C Process Equipment Malfunction	0
D Unknown/Other	0
REASON FOR MONITOR DOWNTIME	
E Monitor Equipment Malfunction	36
F Non-Monitor Equipment Malfunction	0
G Calibration	0
H Unknown/Other	0

TO BE FILLED IN BY STATE AGENCY

CDS SOURCE ID #:_____

CDS COUNTY #:_____

DATE CEM MONTHLY REPORT RECEIVED: _____

INTERNATIONAL PAPER
RIVERDALE MILL, 601 COUNTY ROAD 78
SELMA, ALABAMA 36703

CONTINUOUS EMISSION MONITOR REPORT

SOURCE NAME: NO. 2 RECOVERY BOILER

POLLUTANT MONITORED: TRS

TIME PERIOD: FIRST QUARTER 2011

EXCURSION DATE	EXCURSION REASON CODE	EXCURSION CORRECTIVE ACTION CODE
02/26/11	E	E
02/27/11	E	E
02/28/11	E	E

EXCURSION REASON:

REASON FOR EXCESS EMISSION:
A Startup / Shutdown
B Cleaning / Sootblowing
C Process Equipment Malfunction
D Unknown / Other

REASON FOR MONITOR DOWNTIME:
E Monitor Equipment Malfunction
F Non-Monitor Equipment Malfunction
G Calibration
H Unknown / Other

EXCURSION CORRECTIVE ACTIONS:

CORRECTIVE ACTION FOR EXCESS EMISSION:
A Complete Startup / Shutdown
B Complete Cleaning / Sootblowing
C Correct Process Equipment Malfunction
D Unknown / Other

CORRECTIVE ACTION FOR MONITOR DOWNTIME:
E Correct Monitor Equipment Malfunction
F Correct Non-Monitor Equipment Malfunction
G Complete Calibration
H Unknown / Other

Attachment 2

No. 2 Recovery Boiler TRS Monitor Downtime Summary

Date	Downtime Hours	Reason
2/26/11	12	Failed calibration; having issues with cooler; high box temperature.
2/27/11	12	Failed calibration; having issues with cooler; high box temperature.
2/28/11	12	Failed calibration; having issues with cooler; high box temperature. Lost O_2 cell; replaced.

TRS Summary Report

Source: RB2 JAN 2011
Limit: 12 Hr Corrected Avg > 5 ppm
Units: ppm

	1st 12 Hours Averages			2nd 12 Hour Averages			
DATE	O2	TRS	TRS /O2	O2	TRS	TRS /O2	COMMENTS
1/1/11	5.49	0.29	0.24	6.55	0.16	0.14	
1/2/11	6.00	0.08	0.07	6.03	0.17	0.15	
1/3/11	6.43	0.10	0.09	6.31	0.68	0.60	
1/4/11	6.79	0.07	0.06	6.35	0.10	0.09	
1/5/11	6.01	0.29	0.25	5.23	1.67	1.38	
1/6/11	6.22	0.09	0.07	5.43	1.64	1.37	
1/7/11	4.10	0.68	0.53	4.22	1.37	1.06	
1/8/11	4.86	0.07	0.06	4.92	0.10	0.08	
1/9/11	5.37	0.28	0.23	4.93	0.20	0.16	
1/10/11	4.71	0.58	0.46	4.71	0.25	0.20	
1/11/11	5.11	1.74	1.42	6.06	0.24	0.21	
1/12/11	7.21	0.09	0.08	6.59	0.08	0.07	
1/13/11	6.74	0.10	0.09	7.16	0.07	0.07	
1/14/11	5.50	0.06	0.05	5.54	0.09	0.08	
1/15/11	6.50	0.10	0.09	5.83	0.14	0.12	
1/16/11	5.48	0.09	0.08	4.71	0.30	0.24	
1/17/11	4.88	0.38	0.31	4.70	0.07	0.06	
1/18/11	5.07	0.45	0.37	5.06	0.27	0.22	
1/19/11							Down
1/20/11							Down
1/21/11	10.99	0.08	0.11	4.75	0.82	0.66	
1/22/11	5.17	0.29	0.24	6.40	0.16	0.14	
1/23/11	6.80	0.12	0.11	7.60	0.14	0.13	
1/24/11	7.67	0.15	0.15	5.31	0.36	0.30	
1/25/11	4.40	3.95	3.09	4.93	0.08	0.06	
1/26/11	5.79	0.14	0.12	7.22	0.14	0.13	
1/27/11	7.06	0.12	0.11	7.38	0.09	0.09	
1/28/11	6.21	0.10	0.09	5.60	0.10	0.09	
1/29/11	6.70	0.11	0.10	6.15	0.14	0.12	
1/30/11	6.14	0.14	0.12	6.97	0.14	0.12	
1/31/11	7.64	0.12	0.12	6.26	0.11	0.10	

Total Production: **699 Hours**

TRS Summary Report

Source: RB2 FEB 2011
Limit: 12 Hr Corrected Avg > 5 ppm
Units: ppm

	1st 12 Hours Averages			2nd 12 Hour Averages			
DATE	O2	TRS	TRS /O2	O2	TRS	TRS /O2	COMMENTS
2/1/11	5.62	0.12	0.10	4.99	1.01	0.82	
2/2/11	5.03	0.21	0.17	5.45	0.17	0.14	
2/3/11	5.63	0.28	0.24	5.03	0.41	0.33	
2/4/11	7.12	0.15	0.14	5.95	0.50	0.44	
2/5/11	5.84	0.61	0.52	5.64	0.12	0.10	
2/6/11	11.45	0.08	0.11	5.84	1.79	1.53	
2/7/11							Down
2/8/11				7.32	0.32	0.30	Down
2/9/11	7.09	0.18	0.17	6.62	0.18	0.16	
2/10/11	6.72	0.24	0.22	5.83	0.21	0.18	
2/11/11	5.47	0.22	0.18	5.79	0.87	0.74	
2/12/11	6.70	0.11	0.10	7.07	0.15	0.14	
2/13/11	8.31	0.15	0.15	6.56	0.67	0.60	
2/14/11	5.40	0.64	0.53	5.57	1.23	1.04	
2/15/11	5.99	0.11	0.09	5.47	0.21	0.17	
2/16/11	5.31	0.19	0.15	5.17	0.12	0.10	
2/17/11	5.43	0.70	0.58	4.34	1.98	1.54	
2/18/11	4.75	0.22	0.18	4.51	0.13	0.10	
2/19/11	5.56	0.12	0.10	5.10	1.54	1.26	
2/20/11	5.60	0.13	0.11	5.42	2.03	1.69	
2/21/11	5.76	1.36	1.16	5.39	0.89	0.74	
2/22/11	5.35	1.01	0.84	5.17	1.43	1.18	
2/23/11	5.33	0.47	0.39	6.01	0.16	0.14	
2/24/11	6.35	0.24	0.21	5.31	0.47	0.39	
2/25/11	5.80	0.16	0.14	6.85	0.15	0.13	
2/26/11				6.25	0.11	0.10	E 1st 12 hours
2/27/11				5.73	0.29	0.25	E 1st 12 hours
2/28/11				4.56	1.80	1.42	E 1st 12 hours

Total Production: **648 Hours**

TRS Summary Report

Source: RB2 MAR 2011
Limit: 12 Hr Corrected Avg > 5 ppm
Units: ppm

	1st 12 Hours Averages			2nd 12 Hour Averages			
DATE	O2	TRS	TRS /O2	O2	TRS	TRS /O2	COMMENTS
3/1/11	5.90	1.67	1.44	5.36	1.88	1.56	
3/2/11	6.05	0.50	0.44	6.48	0.11	0.10	
3/3/11	7.62	0.10	0.10	8.12	0.14	0.14	
3/4/11	7.65	0.13	0.13	6.34	0.97	0.86	
3/5/11	5.91	0.24	0.21	5.31	2.05	1.70	
3/6/11							
3/7/11	5.74	0.37	0.31	5.40	0.97	0.80	
3/8/11	6.19	0.20	0.18	5.79	0.88	0.75	
3/9/11	6.31	0.82	0.72	5.95	0.70	0.60	
3/10/11	6.66	0.10	0.09	7.16	0.09	0.09	
3/11/11	7.16	0.11	0.11	6.29	0.13	0.11	
3/12/11	6.53	0.21	0.19	6.11	0.64	0.56	
3/13/11	6.31	0.15	0.13	5.25	2.22	1.83	
3/14/11	5.07	0.14	0.11	6.27	0.97	0.86	
3/15/11	7.28	0.10	0.10	5.79	0.16	0.14	
3/16/11	6.31	0.24	0.21	5.58	0.95	0.80	
3/17/11	6.53	0.35	0.31	5.04	0.53	0.43	
3/18/11	5.00	2.83	2.30	5.66	0.89	0.75	
3/19/11	5.51	0.33	0.28	5.25	0.19	0.15	
3/20/11	5.69	0.54	0.46	5.93	0.75	0.65	
3/21/11	5.46	0.84	0.70	4.50	0.19	0.15	
3/22/11	4.83	0.17	0.13	5.15	0.16	0.13	
3/23/11	5.67	0.13	0.11	5.36	0.45	0.37	
3/24/11	5.38	0.26	0.22	5.17	0.27	0.22	
3/25/11	6.07	0.62	0.54	4.78	1.33	1.06	
3/26/11	5.64	0.38	0.32	5.61	0.10	0.09	
3/27/11	6.04	0.46	0.40	5.88	0.18	0.15	
3/28/11	4.88	0.83	0.66	5.38	0.12	0.10	
3/29/11	5.57	0.43	0.36	6.23	0.07	0.06	
3/30/11	4.80	0.08	0.07	5.43	0.20	0.17	
3/31/11	5.10	0.10	0.08	5.30	0.07	0.06	

Total Production: **724 Hours**

CONTINUOUS EMISSION MONITOR QUARTERLY REPORT

Supplemental Form

Quarter and Year: First Quarter 2011

Source Name: International Paper - Riverdale Mill

Emission Point Location: Stationary Gas Turbine

Parameter/Pollutant Monitored: Water-to-Fuel Ratio/NO_x

Type Period: Discrete One-Hour Average

Total Source Operating Time: 2,129 Hours

REASON FOR EXCESS EMISSION

Startup/Shutdown _0_HRS
Cleaning/Soot-blowing _0_HRS
Equipment/Process Malfunction _0_HRS
Unknown Causes _0_HRS

REASON FOR MONITOR DOWNTIME

Monitor Equipment Malfunction _0_HRS
Non-Monitoring Equipment Malfunction _0_HRS
Unknown Causes _0_HRS

To be completed by Control Agency Official

1.CDS Report Source Identification Number (County and Source):047 00003
2.Date Received by Agency:
3.Date Report Due to Agency:

QUARTERLY EXCESS STATIONARY GAS TURBINE EMISSIONS REPORT

Part 1.**GENERAL INFORMATION**

A. Company Name: International Paper - Riverdale Mill

B. Quarterly Emission Report Period Ending: (Circle One)

March 31 June 30 September 30 December 31

C. Reporting Year: 2011

D. Reporting Date: April 20, 2011

E. Person Completing Report: Carla Pearson

F. Source Description: Stationary Gas Turbine

G. Monitoring Period: First Quarter 2011

H. Person Responsible for Review and Integrity of Report:

Donald G. Parrish

I. Mailing Address of Person in 1-H above:

601 County Road 78
Selma, AL 36703

J. Phone Number for 1H above:

334/418-5356

Fuel bound Nitrogen for # 2 Fuel Oil does not exceed 310 ppm (0.031%).

Part 3. **ICE FOG (IF APPLICABLE)**

DATE	TIME NO_X Control Deactivated	TIME NO_X Control Reactivated

Part 4. **EMERGENCY FUEL OIL: (IF APPLICABLE)**

MONTH / YEAR	GALLONS (MTD)	GALLONS (YTD)	GALLONS (ROLLING*)
JAN / 10	0.0	0	0
FEB / 10	0.0	0	0
MAR / 10	0.0	0	0

* Twelve month rolling total

Part 5. **NUMBER OF DAYS SOURCE DOWN:** 1.3 Days

Part 6. **PERIODS MONITOR INOPERATIVE:**

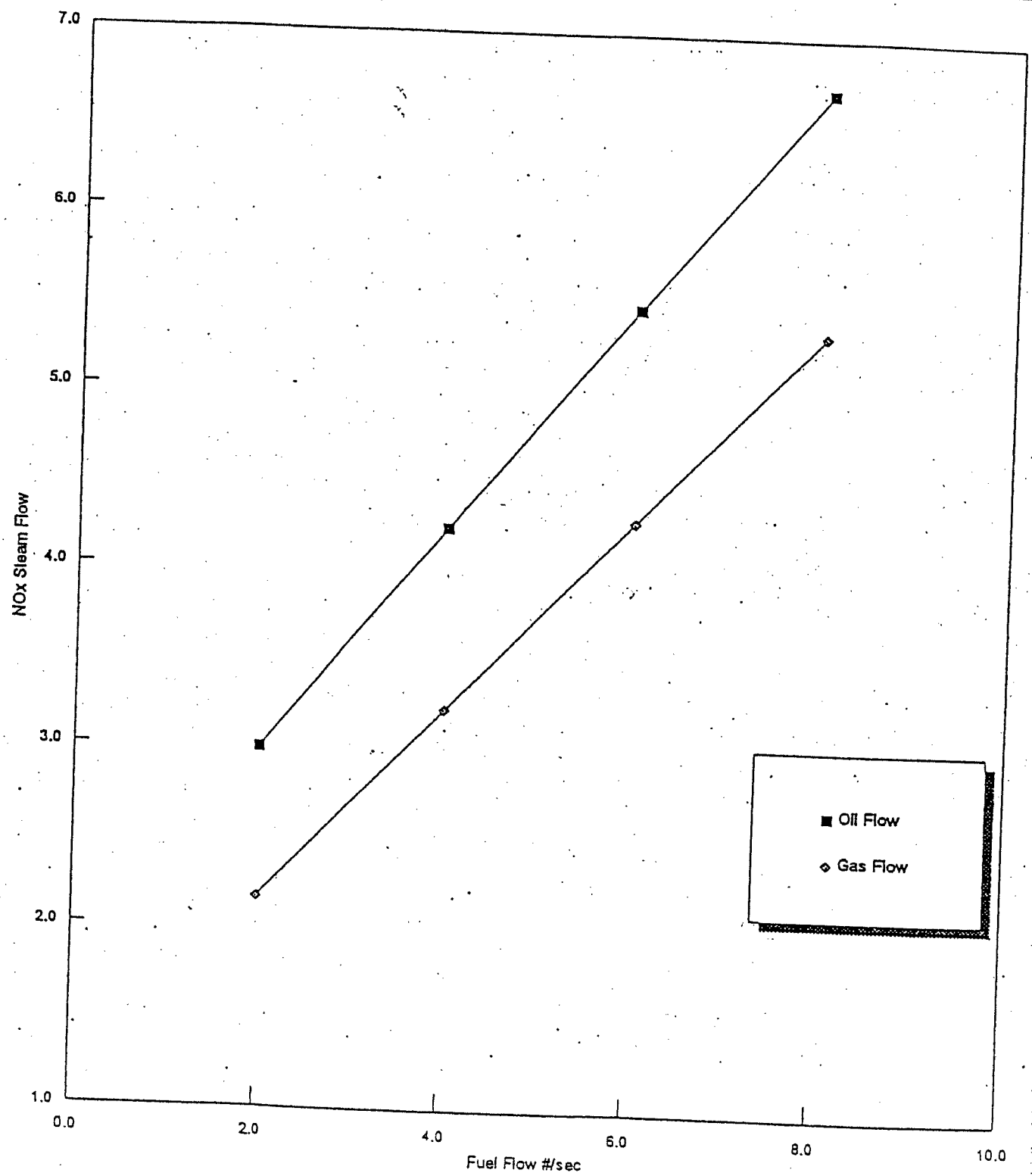
DATE	EFFECTIVE HOURS MONITOR INOPERATIVE	NATURE OF REPAIR / ADJUSTMENT
	N/A	

TOTAL PERIODS MONITORED	2,129
TOTAL PERIODS SOURCE OPERATED	2,129
PERCENT MONITOR UPTIME	100%

PART 2 EXCESS EMISSION LISTING

DATE	1-Hour Period (Ending)	Gas Turbine Load,MW	Actual STM/Fuel Ratio	Required STM/Fuel Ratio	Inlet Temp, °F	Exhaust Temp, °F	Humidity, #H/#A	Reason Code
No excess emissions.								

Reason Code: A = Startup/Shutdown
C = Equipment Malfunction


NOx Steam/Fuel Flow
7.0
6.0
5.0
4.0
3.0
2.0
1.0
NOx Steam Flow
0.0
2.0
4.0
6.0
8.0
10.0
Fuel Flow #/sec
Oil Flow
Gas Flow

SoNet Premier

SNG - SOUTH GEORGIA FACILITIES
GAS COMPOSITION DATA

SCHEDULE:MSM006
Version: 1.3

FOR 991030
MONTH : JANUARY
YEAR : 2011

OPELIKA CHROMATOGRAPH

DATE	BTU	GRAV	NIT	CO2	OXY	CO	METH	ETH	PROP	I-BUT	BUT	I-PEN	PEN	HEX+
01/01/2011	1.0166	0.5776	0.3957	1.0584	0.0000	0.0000	96.7764	1.4987	0.1593	0.0336	0.0332	0.0140	0.0085	0.0221
01/02/2011	1.0169	0.5786	0.4206	1.0954	0.0000	0.0000	96.5816	1.6386	0.1576	0.0316	0.0322	0.0134	0.0083	0.0209
01/03/2011	1.0151	0.5787	0.4450	1.1583	0.0000	0.0000	96.6231	1.5124	0.1545	0.0311	0.0309	0.0139	0.0085	0.0223
01/04/2011	1.0169	0.5796	0.4244	1.1555	0.0000	0.0000	96.5026	1.6173	0.1789	0.0367	0.0357	0.0154	0.0094	0.0240
01/05/2011	1.0150	0.5795	0.4191	1.2278	0.0000	0.0000	96.5511	1.5264	0.1638	0.0337	0.0325	0.0143	0.0088	0.0226
01/06/2011	1.0156	0.5793	0.4186	1.1908	0.0000	0.0000	96.5698	1.5373	0.1691	0.0349	0.0327	0.0150	0.0093	0.0227
01/07/2011	1.0157	0.5786	0.4104	1.1505	0.0000	0.0000	96.6508	1.5182	0.1611	0.0334	0.0311	0.0139	0.0084	0.0223
01/08/2011	1.0164	0.5796	0.4323	1.1691	0.0000	0.0000	96.4904	1.6182	0.1738	0.0350	0.0339	0.0149	0.0091	0.0234
01/09/2011	1.0154	0.5792	0.4285	1.1890	0.0000	0.0000	96.5437	1.5754	0.1589	0.0315	0.0308	0.0133	0.0082	0.0206
01/10/2011	1.0159	0.5787	0.4302	1.1387	0.0000	0.0000	96.6078	1.5508	0.1632	0.0333	0.0323	0.0138	0.0085	0.0214
01/11/2011	1.0164	0.5785	0.4319	1.1016	0.0000	0.0000	96.6284	1.5605	0.1654	0.0340	0.0334	0.0141	0.0087	0.0220
01/12/2011	1.0176	0.5789	0.4244	1.0805	0.0000	0.0000	96.5419	1.6713	0.1677	0.0345	0.0344	0.0144	0.0091	0.0219
01/13/2011	1.0189	0.5799	0.4159	1.1012	0.0000	0.0000	96.3599	1.8359	0.1727	0.0342	0.0346	0.0144	0.0090	0.0221
01/14/2011	1.0177	0.5793	0.4117	1.1138	0.0000	0.0000	96.5175	1.6625	0.1738	0.0358	0.0358	0.0151	0.0096	0.0245
01/15/2011	1.0178	0.5792	0.4253	1.0962	0.0000	0.0000	96.5001	1.6861	0.1742	0.0348	0.0348	0.0147	0.0093	0.0245
01/16/2011	1.0174	0.5793	0.4359	1.1073	0.0000	0.0000	96.5144	1.6423	0.1799	0.0361	0.0357	0.0149	0.0094	0.0241
01/17/2011	1.0165	0.5798	0.4584	1.1629	0.0000	0.0000	96.4376	1.6454	0.1788	0.0353	0.0346	0.0144	0.0090	0.0234
01/18/2011	1.0167	0.5792	0.4510	1.1238	0.0000	0.0000	96.5216	1.6144	0.1723	0.0348	0.0345	0.0150	0.0093	0.0234
01/19/2011	1.0169	0.5798	0.4480	1.1546	0.0000	0.0000	96.4465	1.6497	0.1792	0.0366	0.0361	0.0156	0.0097	0.0241
01/20/2011	1.0172	0.5797	0.4476	1.1347	0.0000	0.0000	96.4584	1.6573	0.1809	0.0354	0.0353	0.0159	0.0100	0.0245
01/21/2011	1.0174	0.5799	0.4444	1.1394	0.0000	0.0000	96.4360	1.6686	0.1863	0.0371	0.0375	0.0158	0.0100	0.0250
01/22/2011	1.0172	0.5790	0.4267	1.1016	0.0000	0.0000	96.5483	1.6353	0.1739	0.0341	0.0347	0.0141	0.0089	0.0224
01/23/2011	1.0170	0.5789	0.4361	1.1022	0.0000	0.0000	96.5516	1.6224	0.1731	0.0342	0.0343	0.0143	0.0090	0.0228
01/24/2011	1.0167	0.5793	0.4389	1.1397	0.0000	0.0000	96.5026	1.6340	0.1716	0.0340	0.0335	0.0142	0.0089	0.0226
01/25/2011	1.0168	0.5788	0.4511	1.0903	0.0000	0.0000	96.5525	1.6291	0.1676	0.0332	0.0323	0.0138	0.0085	0.0216
01/26/2011	1.0164	0.5791	0.4563	1.1214	0.0000	0.0000	96.5234	1.6197	0.1686	0.0334	0.0331	0.0138	0.0087	0.0216
01/27/2011	1.0166	0.5788	0.4445	1.1053	0.0000	0.0000	96.5815	1.5814	0.1708	0.0348	0.0352	0.0146	0.0089	0.0229
01/28/2011	1.0170	0.5790	0.4391	1.1059	0.0000	0.0000	96.5525	1.6069	0.1772	0.0354	0.0354	0.0146	0.0092	0.0238
01/29/2011	1.0188	0.5792	0.4352	1.0489	0.0000	0.0000	96.5669	1.5989	0.2088	0.0407	0.0407	0.0190	0.0119	0.0291
01/30/2011	1.0175	0.5797	0.4697	1.1128	0.0000	0.0000	96.4533	1.6436	0.1911	0.0388	0.0379	0.0163	0.0100	0.0265
01/31/2011	1.0169	0.5798	0.4712	1.1359	0.0000	0.0000	96.4069	1.6983	0.1753	0.0333	0.0331	0.0139	0.0087	0.0234
AVERAGE:	**1.0168**	**0.5792**	**0.4351**	**1.1262**	**0.0000**	**0.0000**	**96.5322**	**1.6180**	**0.1726**	**0.0347**	**0.0343**	**0.0147**	**0.0091**	**0.0232**

SoNet Premier

SNG - SOUTH GEORGIA FACILITIES
GAS COMPOSITION DATA

SCHEDULE:MSM006
Version: 1.3

FOR 991030 OPELIKA CHROMATOGRAPH
MONTH : FEBRUARY
YEAR : 2011

DATE	BTU	GRAV	NIT	CO2	OXY	CO	METH	ETH	PROP	I-BUT	BUT	I-PEN	PEN	HEX+
02/01/2011	1.0169	0.5795	0.4510	1.1336	0.0000	0.0000	96.4684	1.6591	0.1751	0.0342	0.0330	0.0137	0.0087	0.0233
02/02/2011	1.0164	0.5777	0.3796	1.0867	0.0000	0.0000	96.7763	1.4928	0.1541	0.0337	0.0314	0.0139	0.0084	0.0232
02/03/2011	1.0186	0.5789	0.3606	1.0871	0.0000	0.0000	96.6497	1.5637	0.2005	0.0427	0.0420	0.0174	0.0105	0.0258
02/04/2011	1.0209	0.5804	0.3412	1.1047	0.0000	0.0000	96.4803	1.6491	0.2556	0.0532	0.0539	0.0208	0.0133	0.0277
02/05/2011	1.0213	0.5807	0.3480	1.1023	0.0000	0.0000	96.4309	1.6810	0.2645	0.0542	0.0563	0.0209	0.0141	0.0277
02/06/2011	1.0209	0.5799	0.3310	1.0778	0.0000	0.0000	96.5696	1.5965	0.2544	0.0533	0.0547	0.0208	0.0135	0.0284
02/07/2011	1.0193	0.5778	0.3414	1.0022	0.0000	0.0000	96.8011	1.5088	0.2051	0.0440	0.0445	0.0171	0.0108	0.0251
02/08/2011	1.0173	0.5770	0.3580	1.0217	0.0000	0.0000	96.8850	1.4486	0.1685	0.0364	0.0357	0.0145	0.0090	0.0226
02/09/2011	1.0164	0.5770	0.3624	1.0582	0.0000	0.0000	96.8560	1.4724	0.1465	0.0324	0.0314	0.0127	0.0079	0.0201
02/10/2011	1.0160	0.5773	0.3537	1.0949	0.0000	0.0000	96.8291	1.4791	0.1403	0.0312	0.0306	0.0128	0.0078	0.0205
02/11/2011	1.0162	0.5772	0.3614	1.0794	0.0000	0.0000	96.8384	1.4743	0.1412	0.0314	0.0313	0.0134	0.0083	0.0211
02/12/2011	1.0169	0.5776	0.3837	1.0603	0.0000	0.0000	96.7439	1.5522	0.1537	0.0323	0.0319	0.0133	0.0083	0.0204
02/13/2011	1.0178	0.5783	0.4004	1.0579	0.0000	0.0000	96.6415	1.6150	0.1693	0.0351	0.0346	0.0144	0.0091	0.0226
02/14/2011	1.0176	0.5786	0.3998	1.0813	0.0000	0.0000	96.6240	1.6005	0.1748	0.0362	0.0356	0.0148	0.0092	0.0238
02/15/2011	1.0174	0.5790	0.4141	1.1050	0.0000	0.0000	96.5312	1.6674	0.1764	0.0310	0.0316	0.0136	0.0085	0.0211
02/16/2011	1.0231	0.5824	0.3915	1.1049	0.0000	0.0000	96.1947	1.8186	0.2922	0.0600	0.0621	0.0251	0.0169	0.0341
02/17/2011	1.0207	0.5793	0.3581	1.0340	0.0000	0.0000	96.6102	1.6034	0.2275	0.0515	0.0495	0.0208	0.0134	0.0317
02/18/2011	1.0179	0.5783	0.3662	1.0731	0.0000	0.0000	96.7177	1.5318	0.1804	0.0397	0.0396	0.0160	0.0100	0.0254
02/19/2011	1.0166	0.5784	0.3966	1.1122	0.0000	0.0000	96.6669	1.5495	0.1628	0.0332	0.0341	0.0137	0.0085	0.0226
02/20/2011	1.0202	0.5804	0.4081	1.0863	0.0000	0.0000	96.3986	1.7264	0.2257	0.0461	0.0482	0.0195	0.0126	0.0285
02/21/2011	1.0225	0.5804	0.3827	1.0079	0.0000	0.0000	96.4455	1.7271	0.2506	0.0545	0.0578	0.0238	0.0156	0.0345
02/22/2011	1.0231	0.5811	0.3746	1.0383	0.0000	0.0000	96.3339	1.8138	0.2513	0.0549	0.0562	0.0249	0.0161	0.0360
02/23/2011	1.0218	0.5815	0.3897	1.1042	0.0000	0.0000	96.2910	1.7848	0.2504	0.0530	0.0520	0.0233	0.0154	0.0363
02/24/2011	1.0205	0.5804	0.4022	1.0758	0.0000	0.0000	96.4147	1.7218	0.2253	0.0476	0.0459	0.0206	0.0130	0.0332
02/25/2011	1.0185	0.5810	0.4395	1.1700	0.0000	0.0000	96.3195	1.7135	0.2116	0.0426	0.0430	0.0188	0.0121	0.0296
02/26/2011	1.0179	0.5809	0.4470	1.1805	0.0000	0.0000	96.2996	1.7466	0.1953	0.0386	0.0395	0.0167	0.0106	0.0256
02/27/2011	1.0182	0.5785	0.4069	1.0457	0.0000	0.0000	96.6140	1.6446	0.1688	0.0349	0.0352	0.0157	0.0096	0.0247
02/28/2011	1.0196	0.5791	0.3920	1.0388	0.0000	0.0000	96.5506	1.6932	0.1884	0.0402	0.0400	0.0182	0.0111	0.0275
AVERAGE:	**1.0189**	**0.5792**	**0.3836**	**1.0795**	**0.0000**	**0.0000**	**96.5708**	**1.6263**	**0.2004**	**0.0421**	**0.0422**	**0.0175**	**0.0112**	**0.0265**

SoNet Premier

SNG - SOUTH GEORGIA FACILITIES
GAS COMPOSITION DATA

SCHEDULE:MSM006
Version: 1.3

FOR 991030
MONTH : MARCH
YEAR : 2011

OPELIKA CHROMATOGRAPH

DATE	BTU	GRAV	NIT	CO2	OXY	CO	METH	ETH	PROP	I-BUT	BUT	I-PEN	PEN	HEX+
03/01/2011	1.0188	0.5790	0.3814	1.0680	0.0000	0.0000	96.5660	1.6772	0.1800	0.0379	0.0373	0.0163	0.0101	0.0258
03/02/2011	1.0189	0.5785	0.3610	1.0507	0.0000	0.0000	96.6076	1.7021	0.1604	0.0353	0.0336	0.0155	0.0093	0.0244
03/03/2011	1.0180	0.5785	0.3467	1.0984	0.0000	0.0000	96.6840	1.5749	0.1667	0.0382	0.0359	0.0178	0.0106	0.0270
03/04/2011	1.0195	0.5788	0.3433	1.0559	0.0000	0.0000	96.6380	1.6452	0.1806	0.0394	0.0352	0.0196	0.0123	0.0306
03/05/2011	1.0194	0.5776	0.3383	0.9886	0.0000	0.0000	96.7538	1.6366	0.1594	0.0369	0.0336	0.0166	0.0100	0.0261
03/06/2011	1.0183	0.5782	0.3239	1.0807	0.0000	0.0000	96.7220	1.5890	0.1576	0.0368	0.0344	0.0179	0.0108	0.0269
03/07/2011	1.0160	0.5772	0.3061	1.1184	0.0000	0.0000	96.9192	1.4042	0.1393	0.0330	0.0302	0.0159	0.0094	0.0243
03/08/2011	1.0199	0.5796	0.3372	1.0930	0.0000	0.0000	96.6201	1.5544	0.2298	0.0500	0.0501	0.0218	0.0138	0.0298
03/09/2011	1.0218	0.5810	0.3348	1.1083	0.0000	0.0000	96.4242	1.6915	0.2536	0.0562	0.0574	0.0242	0.0154	0.0344
03/10/2011	1.0211	0.5821	0.3581	1.1884	0.0000	0.0000	96.3227	1.6643	0.2657	0.0597	0.0625	0.0255	0.0162	0.0370
03/11/2011	1.0228	0.5834	0.3788	1.1893	0.0000	0.0000	96.1489	1.7654	0.2953	0.0625	0.0667	0.0309	0.0198	0.0421
03/12/2011	1.0243	0.5835	0.3460	1.1576	0.0000	0.0000	96.2138	1.7175	0.3094	0.0712	0.0771	0.0325	0.0216	0.0530
03/13/2011	1.0166	0.5778	0.3269	1.1244	0.0000	0.0000	96.8167	1.4626	0.1511	0.0337	0.0321	0.0157	0.0093	0.0275
03/14/2011	1.0156	0.5772	0.3130	1.1313	0.0000	0.0000	96.9377	1.3641	0.1388	0.0326	0.0319	0.0158	0.0093	0.0255
03/15/2011	1.0168	0.5783	0.3192	1.1483	0.0000	0.0000	96.8041	1.4327	0.1617	0.0383	0.0375	0.0181	0.0107	0.0293
03/16/2011	1.0163	0.5795	0.3648	1.2115	0.0000	0.0000	96.5929	1.5391	0.1639	0.0359	0.0363	0.0172	0.0103	0.0281
03/17/2011	1.0169	0.5810	0.3994	1.2588	0.0000	0.0000	96.3542	1.6784	0.1784	0.0368	0.0378	0.0174	0.0106	0.0282
03/18/2011	1.0154	0.5793	0.3754	1.2300	0.0000	0.0000	96.5970	1.5284	0.1554	0.0324	0.0322	0.0151	0.0091	0.0251
03/19/2011	1.0152	0.5789	0.3791	1.2073	0.0000	0.0000	96.6632	1.4808	0.1561	0.0327	0.0319	0.0150	0.0090	0.0248
03/20/2011	1.0154	0.5790	0.3711	1.2144	0.0000	0.0000	96.6324	1.5195	0.1527	0.0314	0.0305	0.0145	0.0086	0.0249
03/21/2011	1.0151	0.5795	0.3468	1.2714	0.0000	0.0000	96.6203	1.4853	0.1571	0.0337	0.0330	0.0161	0.0095	0.0268
03/22/2011	1.0158	0.5799	0.3628	1.2613	0.0000	0.0000	96.5647	1.5123	0.1686	0.0359	0.0363	0.0179	0.0109	0.0293
03/23/2011	1.0154	0.5795	0.3716	1.2459	0.0000	0.0000	96.5756	1.5359	0.1561	0.0321	0.0319	0.0156	0.0094	0.0258
03/24/2011	1.0151	0.5797	0.3785	1.2638	0.0000	0.0000	96.5599	1.5201	0.1607	0.0331	0.0332	0.0159	0.0096	0.0252
03/25/2011	1.0155	0.5812	0.4097	1.3173	0.0000	0.0000	96.3610	1.6074	0.1762	0.0363	0.0370	0.0171	0.0104	0.0277
03/26/2011	1.0155	0.5812	0.4097	1.3173	0.0000	0.0000	96.3610	1.6074	0.1762	0.0363	0.0370	0.0171	0.0104	0.0277
03/27/2011	1.0155	0.5812	0.4097	1.3173	0.0000	0.0000	96.3610	1.6074	0.1762	0.0363	0.0370	0.0171	0.0104	0.0277
03/28/2011	1.0158	0.5778	0.3209	1.1571	0.0000	0.0000	96.8305	1.4399	0.1347	0.0331	0.0330	0.0167	0.0096	0.0245
03/29/2011	1.0153	0.5773	0.3386	1.1375	0.0000	0.0000	96.8756	1.4058	0.1354	0.0310	0.0309	0.0142	0.0085	0.0224
03/30/2011	1.0150	0.5783	0.3486	1.2027	0.0000	0.0000	96.7473	1.4521	0.1413	0.0315	0.0309	0.0141	0.0085	0.0230
03/31/2011	1.0146	0.5780	0.3102	1.2217	0.0000	0.0000	96.8350	1.3964	0.1283	0.0312	0.0307	0.0145	0.0085	0.0236
AVERAGE:	**1.0173**	**0.5794**	**0.3552**	**1.1754**	**0.0000**	**0.0000**	**96.6036**	**1.5548**	**0.1763**	**0.0388**	**0.0386**	**0.0181**	**0.0110**	**0.0283**

Version: 4.0 - 4.44

INTERNATIONAL PAPER

SUMMARY REPORT - Gaseous and Opacity Excess Emissions

Riverdale Mill

Bark Boiler 2 TV Opacity

Reporting Period: From 1/1/2011 To 4/1/2011

Report Run Date 4/21/2011 1:45 PM

Hazardous Air Pollutants (HAPS) Monitored: Particulate Matter (PM) emissions as a surrogate for HAP metals (Subpart MM, §63.860).

Brief description of process unit: The No. 2 bark boiler is a steam generating unit that burns primarily wood waste with natural gas and No. 2 fuel oil as supplemental fuels. The boiler's particulate emissions control is an electrostatic precipitator.

Emission Data Summary

Emission Point:	BB2 Opacity			
Source Operating Time:	2105.9 Hours			
Operating Parameter:	Opacity		Opacity	
Averaging Period:	6-min Avg		60-min Avg	
Parameter Limit:	20%		10%	
Monitoring Exceedances In Reporting Period Due To:	Duration Hours	Count No.	Duration Hours	Count No.
a. Startup/Shutdown	0.0	0	0.0	0
b. Control Equipment Problems-Malfunction	0.0	0	0.0	0
c. Process Problems-Malfunction	0.2	2	1.0	1
Total SSM monitoring exceedances	0.2	2	1.0	1
d. Other Known Causes	0.0	0	0.0	0
e. Other Unknown Causes	0.0	0	0.0	0
Total Other monitoring exceedances	0.0	0	0.0	0
[(Total Other monitoring exceedances)/(Total source operating time)]X100 (%)	0.00%		0.00%	
Total monitoring exceedances	0.2	2	1.0	1
[(Total monitoring exceedances)/(Total source operating time)]X100 (%)	0.01%		0.05%	

Version 4.0 - 4.44

INTERNATIONAL PAPER

Riverdale Mill

DETAIL REPORT - Gaseous and Opacity Excess Emissions

Bark Boiler 2 TV Opacity

Reporting Period: From 1/1/2011 To 4/1/2011

Report Run Date: 4/21/2011 1:45 PM

Emission Data Detail for SSM Events and Other Events

Start Time	End Time	Duration (Hours)	Location	Trouble	Cause	Correction	Report Code
Bark Boiler 2 TV Opacity							
1/7/2011 4:17 PM	1/7/2011 4:23 PM	0.1	BB2 TV Opacity EE (6-Min)	High Opacity	Poor Boiler Combustion	Follow SOP	Process Problems
3/29/2011 10:53 AM	3/29/2011 10:59 AM	0.1	BB2 TV Opacity EE (6-Min)	High Opacity	Bark Fuel Quality	Follow SOP	Process Problems
1/4/2011 4:35 PM	1/4/2011 5:35 PM	1.0	BB2 TV Opacity EE (60-Min)	High Opacity	Bark Fuel Quality	Follow SOP	Process Problems

Version: 4.0 - 4.44

INTERNATIONAL PAPER

SUMMARY REPORT - Continuous Monitoring System Performance

Riverdale Mill

Bark Boiler 2 TV Opacity

Reporting Period: From 1/1/2011 To 4/1/2011

Report Run Date 4/21/2011 1:45 PM

CMS Performance Summary

Emission Point:	BB2 Opacity
Source Operating Time:	2105.9 Hours
Monitoring Equipment:	Opacity

CMS Downtime In Reporting Period Due To:	Duration Hours	Count No.
a. Monitor Equipment Malfunctions	0.0	0
b. Non-Monitor Equipment Malfunctions	0.0	0
c. Quality Assurance/Quality Control Calibrations	9.1	83
Total malfunctions & QA/QC calibrations	9.1	83
d. Other Known Causes	0.0	0
e. Other Unknown Causes	0.0	0
Total Other causes	0.0	0
Total CMS downtime	9.1	83
[(Total CMS downtime)/(Total source operating time)]X100 (%)	0.43%	

Version 4.0 - 4.44

INTERNATIONAL PAPER

DETAIL REPORT - Continuous Monitoring System Performance

Riverdale Mill

Bark Boiler 2 TV Opacity

Reporting Period: From 1/1/2011 To 4/1/2011

Report Run Date: 4/21/2011 1:45 PM

CMS Performance Detail for SSM Events and Other Events

Start Time	End Time	Duration (Hours)	Location	Trouble	Cause	Correction	Report Code
	Bark Boiler 2 TV Opacity						
1/2/2011 11:17 AM	1/2/2011 11:29 AM	0.2	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/3/2011 8:05 AM	1/3/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/4/2011 8:05 AM	1/4/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/5/2011 8:05 AM	1/5/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/6/2011 8:05 AM	1/6/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/7/2011 8:05 AM	1/7/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/7/2011 4:17 PM	1/7/2011 4:29 PM	0.2	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/8/2011 8:05 AM	1/8/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/11/2011 8:05 AM	1/11/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/12/2011 8:05 AM	1/12/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/13/2011 8:05 AM	1/13/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/14/2011 8:05 AM	1/14/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/15/2011 8:05 AM	1/15/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/16/2011 8:05 AM	1/16/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/17/2011 8:05 AM	1/17/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/17/2011 11:05 AM	1/17/2011 11:17 AM	0.2	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/18/2011 8:05 AM	1/18/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/19/2011 8:05 AM	1/19/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/20/2011 8:05 AM	1/20/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/21/2011 8:05 AM	1/21/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/22/2011 8:05 AM	1/22/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/23/2011 8:05 AM	1/23/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/24/2011 8:05 AM	1/24/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/25/2011 8:05 AM	1/25/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/26/2011 8:05 AM	1/26/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/27/2011 8:05 AM	1/27/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/28/2011 8:05 AM	1/28/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/29/2011 8:05 AM	1/29/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/30/2011 8:05 AM	1/30/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
1/31/2011 8:05 AM	1/31/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/1/2011 8:05 AM	2/1/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/2/2011 8:05 AM	2/2/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/4/2011 8:05 AM	2/4/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/5/2011 8:05 AM	2/5/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/6/2011 8:05 AM	2/6/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/7/2011 8:05 AM	2/7/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/8/2011 8:05 AM	2/8/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/9/2011 8:05 AM	2/9/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/10/2011 8:05 AM	2/10/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/11/2011 8:05 AM	2/11/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/12/2011 8:05 AM	2/12/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/13/2011 8:05 AM	2/13/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/15/2011 8:05 AM	2/15/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/16/2011 8:05 AM	2/16/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/17/2011 8:05 AM	2/17/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/18/2011 8:05 AM	2/18/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/19/2011 8:05 AM	2/19/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/20/2011 8:05 AM	2/20/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/21/2011 8:05 AM	2/21/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/22/2011 8:05 AM	2/22/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/23/2011 8:05 AM	2/23/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/23/2011 10:59 AM	2/23/2011 11:23 AM	0.4	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/24/2011 8:05 AM	2/24/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/25/2011 8:05 AM	2/25/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/26/2011 8:05 AM	2/26/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations

Version 4.0 - 4.44

INTERNATIONAL PAPER

Riverdale Mill

DETAIL REPORT - Continuous Monitoring System Performance

Bark Boiler 2 TV Opacity

Reporting Period: From 1/1/2011 To 4/1/2011

Report Run Date: 4/21/2011 1:45 PM

CMS Performance Detail for SSM Events and Other Events

Start Time	End Time	Duration (Hours)	Location	Trouble	Cause	Correction	Report Code
2/27/2011 8:05 AM	2/27/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
2/28/2011 8:05 AM	2/28/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/1/2011 8:05 AM	3/1/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/2/2011 8:05 AM	3/2/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/3/2011 8:05 AM	3/3/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/4/2011 8:05 AM	3/4/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/5/2011 8:05 AM	3/5/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/6/2011 8:05 AM	3/6/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/7/2011 8:05 AM	3/7/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/8/2011 8:05 AM	3/8/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/9/2011 8:05 AM	3/9/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/10/2011 8:05 AM	3/10/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/11/2011 8:05 AM	3/11/2011 8:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/14/2011 9:05 AM	3/14/2011 9:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/15/2011 9:05 AM	3/15/2011 9:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/16/2011 9:05 AM	3/16/2011 9:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/17/2011 9:05 AM	3/17/2011 9:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/18/2011 9:05 AM	3/18/2011 9:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/19/2011 9:05 AM	3/19/2011 9:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/22/2011 9:05 AM	3/22/2011 9:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/23/2011 9:05 AM	3/23/2011 9:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/25/2011 9:05 AM	3/25/2011 9:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/27/2011 9:05 AM	3/27/2011 9:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/28/2011 9:05 AM	3/28/2011 9:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/29/2011 9:05 AM	3/29/2011 9:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/29/2011 10:53 AM	3/29/2011 11:11 AM	0.3	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/30/2011 9:05 AM	3/30/2011 9:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations
3/31/2011 9:05 AM	3/31/2011 9:11 AM	0.1	BB2 TV Opacity DQ (6-Min)	Automatic Calibration	Passed	None	QA/QC Calibrations

INTERNATIONAL PAPER

COMPLIANCE REPORT

for meeting reporting requirements of Title V

General Information

Facility Identification	
Name:	**Riverdale Mill**
Address:	**601 County Road 78**
City:	**Selma** State: **Alabama** Zip: **36703**
End of Reporting Period	3/31/2011
Relevant standard that is the basis for this report	Title V
Process units covered by this report	- No 3 Lime Kiln - TRS
Reports submitted for each process unit	- Emission Data Summary - CMS Performance Summary - Emission Data Detail for SSM Events and Other Events - CMS Performance Detail for Downtime Events
Notes/Comments:	

Certification

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

Name: Russell V. Harris

Title: Mill Manager

Signature: Russell V Harris

Report Date: 4/28/11

INTERNATIONAL PAPER
RIVERDALE MILL, 601 COUNTY ROAD 78
SELMA, ALABAMA 36703

CONTINUOUS EMISSION MONITOR MONTHLY REPORT
SUPPLEMENTAL FORM

SOURCE NAME:	#3 LIME KILN
EMISSION POINT LOCATION:	STACK
POLLUTANT MONITORED:	TRS
MONITOR MANUFACTURER:	ACS
SYSTEM MODEL No.:	600
ANALYZER MODEL No.:	API 100E
SYSTEM SERIAL No.:	06107C LK3
ANALYZER SERIAL No.:	1356
DATE OF CERTIFICATION:	APRIL 2007
TIME PERIOD:	FIRST QUARTER 2011
TOTAL SOURCE OPERATION TIME:	1,972
DATE:	4/26/2011

REASON FOR EXCESS EMISSION:	TOTAL DURATION HOURS
A Startup / Shutdown	0
B Cleaning / Sootblowing	0
C Process Equipment Malfunction	0
D Unknown/Other	0
REASON FOR MONITOR DOWNTIME	
E Monitor Equipment Malfunction	96
F Non-Monitor Equipment Malfunction	0
G Calibration	0
H Unknown/Other	0

TO BE FILLED IN BY STATE AGENCY

CDS SOURCE ID #:_____

CDS COUNTY #:_____

DATE CEM MONTHLY REPORT RECEIVED: _____

INTERNATIONAL PAPER
RIVERDALE MILL, 601 COUNTY ROAD 78
SELMA, ALABAMA 36703

CONTINUOUS EMISSION MONITOR REPORT

SOURCE NAME: No. 3 LIME KILN

POLLUTANT MONITORED: TRS

TIME PERIOD: FIRST QUARTER 2011

EXCURSION DATE	EXCURSION REASON CODE	EXCURSION CORRECTIVE ACTION CODE
02/07/11	E	E
02/11/11	E	E
02/12/11	E	E
02/13/11	E	E
02/14/11	E	E

REASON FOR EXCESS EMISSION:
A Startup / Shutdown
B Cleaning / Sootblowing
C Process Equipment Malfunction
D Unknown / Other

REASON FOR MONITOR DOWNTIME:
E Monitor Equipment Malfunction
F Non-Monitor Equipment Malfunction
G Calibration
H Unknown / Other

EXCURSION CORRECTIVE ACTION

CORRECTIVE ACTION FOR EXCESS EMISSION:
A Complete Startup / Shutdown
B Complete Cleaning / Sootblowing
C Correct Process Equipment Malfunction
D Unknown / Other

CORRECTIVE ACTION FOR MONITOR DOWNTIME:
E Correct Monitor Equipment Malfunction
F Correct Non-Monitor Equipment Malfunction
G Complete Calibration
H Unknown / Other

Attachment 3

No. 3 Lime Kiln TRS Monitor Downtime Summary

Date	Downtime Hours	Reason
2/07/11	12	Replaced UV lamp; changed out calibration gas flow controller; performed calibration with passing results.
2/11/11	24	Continue to have issues with UV lamp; changed beads and filters; adjusted UV/MV; recalibrated with passing results.
2/12/11	24	Continue to have issues with UV lamp; recalibrated with passing results.
2/13/11	24	Continue to have issues with UV lamp; recalibrated with passing results.
2/14/11	12	Continue to have issues with UV lamp; changed beads and filters; adjusted UV/MV; recalibrated with passing results.

TRS Summary Report

Source: LK3 JAN 2011
Limit: 12 Hr Corrected Avg > 8ppm
Units: ppm

	1st 12 Hour Averages			2nd 12 Hour Averages			
Date	O2	TRS	TRS /O2	O2	TRS	TRS /O2	COMMENTS
1/1/11	9.12	1.41	1.30	11.32	0.38	0.43	
1/2/11	9.42	0.59	0.56	10.74	0.50	0.54	
1/3/11	9.16	0.45	0.42	11.47	0.52	0.60	
1/4/11	9.54	0.62	0.59	10.82	0.35	0.38	
1/5/11	9.79	0.61	0.60				
1/6/11							Down
1/7/11							Down
1/8/11	12.70	0.77	1.02	9.66	0.89	0.86	Down
1/9/11	10.44	0.66	0.69	9.84	0.84	0.83	
1/10/11	9.03	0.77	0.70	8.92	0.73	0.67	
1/11/11	8.41	1.83	1.60	8.61	0.93	0.83	
1/12/11	8.40	2.50	2.18	8.32	3.27	2.83	
1/13/11	8.14	1.55	1.32	8.37	1.10	0.95	
1/14/11	7.91	1.83	1.54	8.09	1.23	1.05	
1/15/11	8.30	0.64	0.56	8.10	0.57	0.49	
1/16/11	10.42	1.68	1.74	8.54	1.20	1.06	
1/17/11	8.66	2.31	2.06	10.09	1.68	1.70	
1/18/11	8.19	1.26	1.08	7.93	1.48	1.25	
1/19/11	8.82	0.84	0.76	9.18	1.77	1.65	
1/20/11	9.35	0.35	0.33	10.69	0.94	1.00	
1/21/11	8.67	0.57	0.51	12.73	0.66	0.88	
1/22/11	8.82	1.79	1.62	8.51	1.61	1.42	
1/23/11				9.17	1.10	1.02	
1/24/11	12.05	0.36	0.44	9.52	1.35	1.29	Down
1/25/11	10.79	0.93	1.00	9.70	1.17	1.14	
1/26/11							
1/27/11	8.57	0.98	0.86	8.72	1.47	1.32	Down
1/28/11	9.44	1.53	1.45	9.90	1.29	1.28	
1/29/11	10.53	0.71	0.75	10.18	0.65	0.66	
1/30/11	12.66	0.67	0.89	10.97	0.47	0.52	
1/31/11	12.20	0.25	0.31	10.32	0.12	0.12	

Total Production: 671 Hours

TRS Summary Report

Source: LK3 FEB 2011
Limit: 12 Hr Corrected Avg > 8ppm
Units: ppm

	1st 12 Hour Averages			2nd 12 Hour Averages			
Date	**O2**	**TRS**	**TRS /O2**	**O2**	**TRS**	**TRS /O2**	**COMMENTS**
2/1/11	10.24	0.53	0.54	11.49	0.52	0.60	
2/2/11	9.27	0.81	0.76	8.35	2.20	1.91	
2/3/11	9.85	0.72	0.71	8.62	2.64	2.34	
2/4/11	10.22	0.93	0.95	10.54	2.01	2.11	
2/5/11	8.69	1.84	1.64	10.08	1.08	1.09	
2/6/11	11.13	0.55	0.61	8.60	0.80	0.71	
2/7/11							
2/8/11							E 1st 12 hours; Down
2/9/11	9.74	0.57	0.63	10.22	0.99	1.01	Down
2/10/11	9.00	1.32	1.21	8.94	0.65	0.59	
2/11/11							
2/12/11							E
2/13/11							E
2/14/11							E
2/15/11	10.33	4.04	4.17	10.44	1.03	1.07	E 1st 12 hours
2/16/11	7.84	4.30	3.59	7.87	3.33	2.79	
2/17/11	10.70	2.66	2.84	8.12	3.56	3.04	
2/18/11	10.51	0.67	0.71	10.69	0.63	0.67	
2/19/11	10.29	0.75	0.77	8.25	2.15	1.86	
2/20/11	10.51	3.75	3.93	8.62	3.15	2.79	
2/21/11	8.04	2.57	2.18	7.88	4.02	3.36	
2/22/11	9.82	2.77	2.73	7.99	2.73	2.30	
2/23/11	11.70	0.98	1.16	9.59	2.29	2.21	
2/24/11	8.96	2.80	2.56	11.68	3.11	3.67	
2/25/11	9.12	2.38	2.20	11.42	1.68	1.93	
2/26/11	8.52	2.42	2.13	8.15	2.59	2.21	
2/27/11	11.04	1.40	1.55	9.00	1.62	1.49	
2/28/11	8.47	1.68	1.47	11.27	1.62	1.84	
				9.30	1.78	1.67	

Total Production: **621 Hours**

TRS Summary Report

Source: LK3 MAR 2011
Limit: 12 Hr Corrected Avg > 8ppm
Units: ppm

	1st 12 Hour Averages			2nd 12 Hour Averages			
Date	**O2**	**TRS**	**TRS /O2**	**O2**	**TRS**	**TRS /O2**	**COMMENTS**
3/1/11	11.50	1.98	2.29	11.26	1.20	1.36	
3/2/11	7.94	1.85	1.56	10.26	1.11	1.14	
3/3/11	8.61	1.33	1.18	10.73	0.56	0.60	
3/4/11	11.11	2.16	2.40	10.93	1.36	1.48	
3/5/11	9.19	3.59	3.35	11.23	2.09	2.35	
3/6/11	9.70	1.84	1.80	8.73	0.83	0.74	
3/7/11	10.72	0.60	0.64	11.47	1.26	1.46	
3/8/11	11.21	2.26	2.54	9.30	5.16	4.85	
3/9/11							Down
3/10/11	8.51	1.94	1.71	11.52	3.67	4.26	
3/11/11				11.80	1.55	1.86	Down
3/12/11	12.06	3.87	4.77	12.75	3.80	5.09	
3/13/11	12.31	2.66	3.38	9.71	5.07	4.94	
3/14/11	11.27	3.01	3.41	9.36	5.02	4.74	
3/15/11	11.71	2.63	3.12	9.48	3.70	3.53	
3/16/11	9.58	4.59	4.42	10.56	3.97	4.18	
3/17/11	9.21	4.65	4.33	11.33	2.78	3.16	
3/18/11	11.64	1.63	1.92	8.47	1.11	0.97	
3/19/11	8.27	1.07	0.92	7.86	4.09	3.42	
3/20/11	7.92	4.90	4.11	8.58	4.46	3.94	
3/21/11	8.74	3.23	2.89	8.04	2.47	2.10	
3/22/11	8.02	4.09	3.46	7.91	3.72	3.12	
3/23/11	9.42	2.73	2.60	8.35	0.89	0.77	
3/24/11	8.65	1.81	1.61	9.53	0.37	0.36	
3/25/11	12.19	1.17	1.46	11.95	0.77	0.93	
3/26/11	8.98	2.33	2.13	8.85	1.25	1.13	
3/27/11	10.27	1.64	1.68	9.32	1.60	1.50	
3/28/11	10.81	1.21	1.31	9.18	1.20	1.11	
3/29/11	11.71	1.68	1.99	9.19	2.24	2.08	
3/30/11	10.71	2.79	2.99	10.86	2.78	3.02	
3/31/11	8.80	2.51	2.26	11.06	2.30	2.55	

Total Production: **680 Hours**