Consumers Energy

A CMS Energy Company

Environmental & Laboratory Services

April 29, 2010

Mr. Shane Nixon
Department of Environmental Quality
Air Quality Division
120 W. Chapin Street
Cadillac, MI 49601-2158

SUBJECT: FIRST QUARTER 2010 EMISSIONS MONITORING REPORT

Dear Mr. Nixon:

Enclosed is the First Quarter 2010 emissions monitoring report for Boilers No. 1 and No. 2 at the T.E.S. Filer City Station (Renewable Operating Permit No. ROP MI-ROP-N1685-2008a). The report includes all information required under Federal Standards of Performance for New Stationary Sources (40 CFR 60, Subparts A, Da, and Appendix F).

This quarterly report contains the Excess Emissions Reports (EERs) and Summary Reports for Boilers No. 1 and No. 2. The report also includes the results of linearity tests conducted in accordance with 40 CFR Part 75, Appendices A and B (all outlet CEMS other than CO), and cylinder gas audits (CGAs) conducted in accordance with 40 CFR Part 60, Appendix F (inlet CEMS and outlet CO CEMS). The associated Certificates of Analysis for the calibration gases used in the linearity tests and CGAs are also included within this quarterly report.

Please note that the 1st Quarter 2010 EER reflects a higher than typical amount of outlet SO_2 (Units 1 and 2) and NO_x (Unit 1) CEMS downtime. This downtime is associated with failed linearity tests which were conducted in February of 2010.

For Units 1 and 2, the outlet SO_2 CEMS low scale linearity tests were failed due to an inaccuracy in the certified cylinder gas concentration for the span gas. After installing a new span gas cylinder in January 2010, an inaccuracy in the certified SO_2 concentration led to the plant adjusting the SO_2 CEMS upwards to align with the certified span gas concentration. When the linearity tests were then conducted at all three gas levels, the low and mid values failed to meet the linearity specification. Additional data was lost when the plant failed to conduct passing linearity tests within 168 hours of passing a probationary calibration error (PCE) test following the failed linearity tests.

The Unit 1 NO_x analyzer linearity test failure is believed to be associated with a hole which was discovered in the internal analyzer tubing. After having failed the linearity test, the plant conducted a PCE test (to provide up to 168 hours to conduct another linearity test). Additional troubleshooting of the failed linearity test then resulted in the discovery of the hole in the analyzer tubing, and the plant took actions to seal the hole until they could permanently replace the tubing. Unfortunately, this action was taken before another linearity test had been conducted and passed, which resulted in loss of the conditionally valid data. The plant then conducted another PCE test and completed the linearity test a few days later.

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The TES Filer City CEMS technicians have received additional training to help them identify possible inaccuracies in the certified concentrations of gas cylinders. The CEMS technicians have also had additional training regarding the concept of data validation under 40 CFR Part 75, including the fact that making analyzer repairs or adjustments within a conditionally valid data period results in the loss of the conditionally valid data.

No construction/demolition (C/D) materials were fired in Boilers No. 1 and No. 2 during the 1st quarter of 2010. In accordance with the currently approved C/D Waste Wood Monitoring Plan, the facility has discontinued submitting a summary of C/D waste wood sampling and inspection activities on a quarterly basis. An annual C/D summary report will be included with the quarterly report submitted for the 4th quarter of 2010.

Please contact me at (517) 788-1467 if you have any questions or require further information concerning the contents of this submittal.

Sincerely,

Jason M. Prentice

Jason Prentice
Environmental Planner
Consumers Energy Company

cc: Todd Guenthardt, TES Filer City Station
Jon Wilford, MDEQ-AQD
Filer City Compliance File-Q, SA, A File

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

RENEWABLE OPERATING PERMIT REPORT CERTIFICATION

Authorized by 1994 P.A. 451, as amended. Failure to provide this information may result in civil and/or criminal penalties.

Reports submitted pursuant to R 336.1213 (Rule 213), subrules (3)(c) and/or (4)(c), of Michigan's Renewable Operating Permit (ROP) program must be certified by a responsible official. Additional information regarding the reports and documentation listed below must be kept on file for at least 5 years, as specified in Rule 213(3)(b)(ii), and be made available to the Department of Environmental Quality, Air Quality Division upon request.

Source Name T.E.S. Filer City Station

Source Address P.O. Box 12 / 700 Mee Street County Manistee

AQD Source ID (SRN) N1685 City Filer City

ROP No. MI-ROP-N1685-2008a ROP Section No. N/A

Please check the appropriate box(es):

☐ **Annual Compliance Certification (Pursuant to Rule 213(4)(c))**

Reporting period (provide inclusive dates): From _____ To _____

☐ 1. During the entire reporting period, this source was in compliance with **ALL** terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference. The method(s) used to determine compliance is/are the method(s) specified in the ROP.

☐ 2. During the entire reporting period this source was in compliance with all terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference, **EXCEPT** for the deviations identified on the enclosed deviation report(s). The method used to determine compliance for each term and condition is the method specified in the ROP, unless otherwise indicated and described on the enclosed deviation report(s).

☐ **Semi-Annual (or More Frequent) Report Certification (Pursuant to Rule 213(3)(c))**

Reporting period (provide inclusive dates): From _____ To _____

☐ 1. During the entire reporting period, **ALL** monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred.

☐ 2. During the entire reporting period, all monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred, **EXCEPT** for the deviations identified on the enclosed deviation report(s).

☒ **Other Report Certification**

Reporting period (provide inclusive dates): From 01/01/2010 To 03/31/2010

Additional monitoring reports or other applicable documents required by the ROP are attached as described:

Boilers 1 and 2 Quarterly Report for the 1st Quarter of 2010 (January – March).

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this report and the supporting enclosures are true, accurate and complete

Roger R. Burger	General Manager	231-723-6573
Name of Responsible Official (print or type)	Title	Phone Number

Signature of Responsible Official

4-27-10
Date

TESFiler0001275

* Photocopy this form as needed.

T.E.S. FILER CITY STATION

CONTINUOUS EMISSION MONITORING QUARTERLY REPORT

SUBPART Da
(NSPS SOURCES)

Year 2010
Report Period Ending: **March 31** X **June 30** ___ **Sept. 30** ___ **Dec. 31** ___

I. GENERAL INFORMATION

1. Source: T.E.S. FILER CITY STATION

2. Address: 700 MEE STREET
FILER CITY, MICHIGAN 49634

3. Plant Phone Number: (231) 723-6573

4. Affected Facility: BOILER #1 X BOILER #2 X

5. Control Device(s): GEESI/DRY FLUE GAS DESULFERIZATION SYSTEM
GEESI/FABRIC FILTER BAGHOUSES

6. Fuel Type: Coal/Wood/TDF/Petroleum Coke/Construction & Demolition (C/D) Waste
(NOTE: Although allowed by permit, C/D wastes were not fired during the quarter)

7. Person Completing Report

(Print) Jason M. Prentice

(Signature) Jason M. Prentice

(Date) 4-29-10

This is to certify that, to the best of my knowledge, the information provided on these forms is correct and accurate.

8. Person Responsible For Review and Integrity of Report:

(Print) Roger R. Burger

(Signature) Roger R. Burger

(Date) 4-27-10

CEM\1st QTR10
File: 001-008-020-1-5

T.E.S. FILER CITY STATION

II. CONTINUOUS MONITOR OPERATIONAL DATA

	# 1 OPACITY	# 2 OPACITY	INLET #1 SO2	INLET #2 SO2	STACK #1 SO2	STACK #2 SO2	STACK #1 NOx	STACK #2 NOx	INLET # 1 CO2	INLET # 2 CO2	STACK # 1 CO2	STACK # 2 CO2
1. MFG:	Durag, Inc.	Durag, Inc.	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]
2. MODEL NO:	D-R 290	D-R 290	43i	43i	43i	43i	42i	42i	410i	410i	410i	410i
3. SERIAL NO:	425692	425693	0622717879	0622717883	0622717877	0622717880	0623017966	0623017967	0622717873	0622717875	0622717869	0622717874
4. Basis for Gas Measurement (wet or dry)	N / A	N / A	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET
5. F-Factor Used	N / A	N / A	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	N / A	N / A	N / A	N / A

[1] T. E. I. standards for Thermo Environmental Instruments, Inc.

6. F-Factor Method: Fuel Analyses and Method 19, Equation 19-15 and/or Method 19, Table 19-2. Please note that the fuel factors are unit specific and are based upon the relative amounts (on a heat input basis) of coal, wood, petroleum coke and tire-derived-fuel (TDF) that are fired within a given time period.

7. Ave. Time	6 Minute	6 Minute	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour
8. Zero/Span Values												
ZERO	0 %	0 %	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 %	0 %	0 %	0 %
SPAN	45 %	45 %	2,000 PPM	2,000 PPM	H: 1,500 PPM [1] L: 200 PPM [1]	H: 1,500 PPM [1] L: 200 PPM [1]	500 PPM	500 PPM	20.0 %	20.0 %	20.0 %	20.0 %

[1] The span values for the SO_2 Stack CEMS were revised from 2,000 ppm for the high span and 500 ppm for the low span just prior to the September 2008 Part 75 certification tests. The revised high and low span values were determined in accordance with sections 2.1.1.3 and 2.1.1.4 of Appendix A to 40 CFR Part 75.

T.E.S. FILER CITY STATION

II. CONTINUOUS MONITOR OPERATIONAL DATA

	Monitoring System	RATA	7-Day Calibration Drift Test	Cycle-time Test	COMS Field Audit Test	COMS 168-hr Operational Test
9. Date of Last Performance Specification Test Passed	Boiler 1 Gas CEMS	09/15/2009	10/31/2006 (Stk SO_2 = 09/25/08)	10/18/2006 (Stk SO_2 = 10/03/08)	N/A	N/A
	Boiler 1 COMS	N/A	N/A	N/A	09/15/2009	10/26/2006
	Boiler 2 Gas CEMS	09/16/2009	10/31/2006 (Stk SO_2 = 09/25/08)	10/23/2006 (Stk SO_2 = 10/03/08)	N/A	N/A
	Boiler 2 COMS	N/A	N/A	N/A	09/15/2009	11/01/2006

	# 1 OPACITY	# 2 OPACITY	INLET #1 SO2	INLET #2 SO2	STACK #1 SO2	STACK #2 SO2	STACK #1 NOx	STACK #2 NOx	INLET # 1 CO2	INLET # 2 CO2	STACK # 1 CO2	STACK # 2 CO2
10. Modification Since Last PST Date (10-06; 9-08)	NONE	NONE	NONE	NONE	NONE (Changed high & low span values)	NONE (Changed high & low span values)	NONE	NONE	NONE	NONE	NONE	NONE
11. Emission Limits (Averaging Period)	10 % (6-Min)	10 % (6-Min)	N / A	N / A	0.7 lb/mm Btu (24-Hr) 0.5 lb/mm Btu (30-Day)	0.7 lb/mm Btu (24-Hr) 0.5 lb/mm Btu (30-Day)	0.6 lb/mm Btu (30-Day)	0.6 lb/mm Btu (30-Day)	N / A	N / A	N / A	N / A

T.E.S. FILER CITY STATION

III. MONITORING AND COMPLIANCE SUMMARY (per 40 CFR 60.51a(h))

	YES	NO	REF.
1. Were the required continuous monitoring systems calibrated, span, and drift checks or other periodic audits performed as specified?	X		
2. Were the data used to show compliance obtained in accordance with approved methods and procedures of Subpart Da?	X		
3. Are the data representative of plant performance?	X		
4. Were the minimum data requirements met? If no, were they not met due to unavoidable errors?	X		
5. Was compliance with the standards achieved during the reporting period?		X	
Boiler #1			
SO_2 Stack Limit 0.7 lb/MMBTU 24 Hour	X		
SO_2 Stack Limit 0.5 lb/MMBTU 30 Day	X		
SO_2 90% Reduction 30 Day	X		
NO_x Stack Limit 0.6 lb/MMBTU 30 Day	X		
Opacity Limit >10% 6 Minute Average		X	
Boiler #2			
SO_2 Stack Limit 0.7 lb/MMBTU 24 Hour		X	
SO_2 Stack Limit 0.5 lb/MMBTU 30 Day	X		
SO_2 90% Reduction 30 Day	X		
NO_x Stack Limit 0.6 lb/MMBTU 30 Day	X		
Opacity Limit >10% 6 Minute Average		X	

T.E.S. FILER CITY STATION

V. EXCESS EMISSION REPORT - SO_2 AND NO_x

SO_2 EVENTS (30 Day Rolling Average Limit of 0.5 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

SO_2 EVENTS (24 Hour Average Limit of 0.7 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
01/08/10	2	2.4	Boiler startup following a trip caused by an economizer tube leak; SO_2 dry scrubber had to be bypassed to pre-warm the baghouse & maintain the required minimum inlet temperature.	Followed the Maintenance Management Plan (MMP); during startup, the boiler & baghouse were brought up to full operating temp. as quickly as possible; scrubber was then placed into service per manufacturer recommendations. Note: The SO_2 emission rate after application of a diluent cap was 0.41 lb/mmBtu.

SO_2 EVENTS (30 Day Rolling Average Limit of SO_2 Percent Reduction: Limit=90%)

Date(s) Occurred	Boiler No.	Value (% removal)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

NO_x EVENTS (30 Day Rolling Average Limit of 0.60 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

T.E.S. FILER CITY STATION

OPACITY EVENTS (Excess Emission Notification >10%, 6-Min. Average, for ≥ 2 Hours)

Date(s) Occurred	Boiler No.	Value (% opacity)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

NOTE: All six minute periods during which the average opacity exceeds 10% are identified in the attached monthly "Excess Emissions Report" for Boiler #1 and Boiler #2.

VI. QUALITY ASSURANCE DATA

1a. OUT-OF-CONTROL ASSESSMENT INFORMATION

BOILER # 1

INLET CO2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717873	None	N / A	N / A

STACK CO2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717869	None	N / A	N / A

INLET SO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717879	None	N / A	N / A

STACK SO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717877	02/16/10, Hr 08 – 02/17/10, Hr 13 (30 Hrs)	Low scale linearity test was failed due to inaccuracies in the certified span gas concentration and resulting adjustments to the analyzer.	Replaced the low scale span gas cylinder; made adjustments to the SO_2 analyzer, and then ran a passing probationary calibration error (PCE) test. The CEMS Technicians received training to help them identify possible inaccuracies in calibration gases.

STACK SO_2 METER (Continued)

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717877	02/24/10, Hr 13 – 02/25/10, Hr 11 (23 Hrs)	More than 168 hours elapsed after the PCE test and before the follow-up linearity tests were completed, resulting in additional missing data.	The follow-up linearity tests were successfully completed by the CEMS technicians. The CEMS technicians received additional training regarding the use of conditional data validation.

STACK NO_X METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 42i – 0623017966	02/16/10, Hr 08 – 02/23/10, Hr 13 (174 Hrs)	NOx linearity test was failed, and the plant then ran a passing PCE test. Unfortunately, the plant CEMS technicians made analyzer repairs after the PCE test and before another passing linearity test, which resulted in the loss of the conditionally valid data.	The plant conducted another PCE test following the analyzer repairs and then conducted a passing linearity test within 168 hours of the second PCE test. The CEMS technicians received additional training regarding the use of conditional data validation.

OPACITY METER

Meter	Date(s) Occurred	Description	Corrective Action
D-R 290 – 425692	None	N / A	N / A

T.E.S. FILER CITY STATION

2a. Other operating days for which data has not been obtained (18 hrs) or excluded from calculation of average emission rates:

Boiler #1

Date(s) Occurred	Description	Corrective Action
None	N / A	N / A

3a. OUT-OF-CONTROL ASSESSMENT INFORMATION

Any Boiler 1 CEMS and COMS out-of-control (OOC) periods are generally associated with equipment replacements or excessive calibration drift (CD) error, and they are summarized in Section VI.1a of this report. During this quarter, there were no OOC periods associated with Relative Accuracy Test Audits (RATAs) or Cylinder Gas Audits (CGAs). However, there were two SO_2 OOC periods associated with failed SO_2 low scale linearity tests, and one NO_x OOC period associated with a failed linearity test. Descriptions of the causes of these OOC periods are contained in Section VI.1a of this report.

When applicable, the duration of each OOC period is summarized in the quarterly report document titled "Downtime Report". The information provided in Section VI.1a of this report provides a summary of the OOC period corrective actions. When required, the corrective actions result in the CDs (or relative accuracies) being within the allowed limits.

1b. OUT-OF-CONTROL ASSESSMENT INFORMATION

BOILER # 2

INLET CO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717875	None	N / A	N / A

STACK CO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717874	None	N / A	N / A

INLET SO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717883	None	N / A	N / A

STACK SO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717880	02/16/10, Hr 08 – 02/17/10, Hr 13 (30 Hrs)	Low scale linearity test was failed due to inaccuracies in the certified span gas concentration and resulting adjustments to the analyzer.	Replaced the low scale span gas cylinder; made adjustments to the SO_2 analyzer, and then ran a passing probationary calibration error (PCE) test. The CEMS Technicians received training to help them identify possible inaccuracies in calibration gases.

T.E.S. FILER CITY STATION

STACK SO_2 METER (Continued)

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717880	02/24/10, Hr 13 – 02/25/10, Hr 11 (23 Hrs)	More than 168 hours elapsed after the PCE test and before the follow-up linearity tests were completed, resulting in additional missing data.	The follow-up linearity tests were successfully completed by the CEMS technicians. The CEMS technicians received additional training regarding the use of conditional data validation.

STACK NO_X METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 42i – 0623017967	None	N / A	N / A

OPACITY METER

Meter	Date(s) Occurred	Description	Corrective Action
D-R 290 – 425693	None	N / A	N / A

2b. Other operating days for which data has not been obtained (18 hrs) or excluded from calculation of average emission rates:

Boiler #2

Date(s) Occurred	Description	Corrective Action
None	N / A	N / A

3b. OUT-OF-CONTROL ASSESSMENT INFORMATION

Any Boiler 2 CEMS and COMS out-of-control (OOC) periods are generally associated with equipment replacements or excessive calibration drift (CD) error, and they are summarized in Section VI.1b of this report. During this quarter, there were no OOC periods associated with Relative Accuracy Test Audits (RATAs) or Cylinder Gas Audits (CGAs). However, there were two SO_2 OOC periods associated with failed SO_2 low scale linearity tests. Descriptions of the causes of these OOC periods are contained in Section VI.1b of this report.

When applicable, the duration of each OOC period is summarized in the quarterly report document titled "Downtime Report". The information provided in Section VI.1b of this report provides a summary of the OOC period corrective actions. When required, the corrective actions result in the CDs (or relative accuracies) being within the allowed limits.

4. Full Scale Exceedance: Identification of times when pollutant concentration exceeds full span of the continuous monitoring system.

Date(s) Occurred	Boiler No.	Description	Corrective Action
None	1	N / A	N / A
None	2	N / A	N / A

TES FILER CITY STATION
AIR EMISSION SUMMARY

JANUARY 2010

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			SULFUR DIOXIDE <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			SULFUR DIOXIDE >90% SO2 REDUCTION LIMIT 30 DAY AVE			NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
MONTH	44628 /	44640	99.97%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
YTD			99.97%			100.00%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
MONTH	44430 /	44478	99.89%	717.0 /	724.0	99.03%	724.0 /	724.0	100.00%	724.0 /	724.0	100.00%	724.0 /	724.0	100.00%
YTD			99.89%			99.03%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH
24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING
ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

TES FILER CITY STATION
AIR EMISSION SUMMARY

FEBRUARY 2010

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			SULFUR DIOXIDE <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			SULFUR DIOXIDE >90% SO2 REDUCTION LIMIT 30 DAY AVE			NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
MONTH	40320 /	40320	100.00%	672.0 /	672.0	100.00%	672.0 /	672.0	100.00%	672.0 /	672.0	100.00%	672.0 /	672.0	100.00%
YTD			99.99%			100.00%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
MONTH	40308 /	40320	99.97%	672.0 /	672.0	100.00%	672.0 /	672.0	100.00%	672.0 /	672.0	100.00%	672.0 /	672.0	100.00%
YTD			99.93%			99.50%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH
24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING
ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

TES FILER CITY STATION
AIR EMISSION SUMMARY

MARCH 2010

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			SULFUR DIOXIDE <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			SULFUR DIOXIDE >90% SO2 REDUCTION LIMIT 30 DAY AVE			NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	44616 /	44640	99.95%	739.0 /	739.0	100.00%	739.0 /	739.0	100.00%	739.0 /	739.0	100.00%	739.0 /	739.0	100.00%
YTD			99.97%			100.00%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	44586 /	44640	99.88%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
YTD			99.91%			99.67%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH
24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING
ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

TES FILER CITY STATION
AIR EMISSION SUMMARY

1st QUARTER 2010

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			SULFUR DIOXIDE <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			SULFUR DIOXIDE >90% SO2 REDUCTION LIMIT 30 DAY AVE			NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
JAN	44,628 /	44,640	99.97%	744 /	744	100.00%	744 /	744	100.00%	744 /	744	100.00%	744 /	744	100.00%
FEB	40,320 /	40,320	100.00%	672 /	672	100.00%	672 /	672	100.00%	672 /	672	100.00%	672 /	672	100.00%
MAR	44,616 /	44,640	99.95%	739 /	739	100.00%	739 /	739	100.00%	739 /	739	100.00%	739 /	739	100.00%
1st Quarter	129,564 /	129,600	99.97%	2155 /	2155	100.00%	2155 /	2155	100.00%	2155 /	2155	100.00%	2155 /	2155	100.00%
YTD			99.97%			100.00%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
JAN	44,430 /	44,478	99.89%	717 /	724	99.03%	724 /	724	100.00%	724 /	724	100.00%	724 /	724	100.00%
FEB	40,308 /	40,320	99.97%	672 /	672	100.00%	672 /	672	100.00%	672 /	672	100.00%	672 /	672	100.00%
MAR	44,586 /	44,640	99.88%	744 /	744	100.00%	744 /	744	100.00%	744 /	744	100.00%	744 /	744	100.00%
1st Quarter	129,324 /	129,438	99.91%	2133 /	2140	99.67%	2140 /	2140	100.00%	2140 /	2140	100.00%	2140 /	2140	100.00%
YTD			99.91%			99.67%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH
24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING
ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

CEMS Daily Averages - 01/01/10 To 03/31/10

Facility Name: T.E.S. Filer City Station Location: Filer City, MI Source: Boiler 1

Period: 01/01/10 00:00:00 To 03/31/10 23:59:59; Records = 90

	Operating Hours	NOx		SO2		SO2		SO2		Blr 1&2	
	CEMS	30-Day		24-Hr		30-Day		30-Day		SO2	
Date		lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	Tons	Vld
01/01/10	24	0.446	30	0.194	24	0.168	30	93.27	30	1.79	24
01/02/10	24	0.446	30	0.230	24	0.171	30	93.16	30	2.28	24
01/03/10	24	0.445	30	0.146	24	0.170	30	93.20	30	1.55	24
01/04/10	24	0.445	30	0.143	24	0.168	30	93.28	30	1.45	24
01/05/10	24	0.444	30	0.220	24	0.169	30	93.28	30	1.94	24
01/06/10	24	0.443	30	0.169	24	0.169	30	93.26	30	1.52	24
01/07/10	24	0.443	30	0.453	24	0.178	30	92.99	30	2.30	24
01/08/10	24	0.443	30	0.214	24	0.180	30	92.91	30	1.20	24
01/09/10	24	0.443	30	0.198	24	0.180	30	92.92	30	1.87	24
01/10/10	24	0.445	30	0.187	24	0.181	30	92.87	30	1.84	24
01/11/10	24	0.445	30	0.265	24	0.186	30	92.66	30	2.42	24
01/12/10	24	0.446	30	0.158	24	0.186	30	92.67	30	1.64	24
01/13/10	24	0.446	30	0.167	24	0.185	30	92.72	30	1.92	24
01/14/10	24	0.446	30	0.128	24	0.183	30	92.78	30	1.41	24
01/15/10	24	0.446	30	0.144	24	0.178	30	92.99	30	1.77	24
01/16/10	24	0.445	30	0.150	24	0.177	30	93.01	30	1.64	24
01/17/10	24	0.444	30	0.145	24	0.179	30	92.92	30	1.47	24
01/18/10	24	0.444	30	0.162	24	0.180	30	92.91	30	1.64	24
01/19/10	24	0.444	30	0.195	24	0.180	30	92.90	30	1.72	24
01/20/10	24	0.446	30	0.161	24	0.179	30	92.90	30	1.43	24
01/21/10	24	0.447	30	0.208	24	0.179	30	92.92	30	1.64	24
01/22/10	24	0.448	30	0.159	24	0.180	30	92.90	30	1.44	24
01/23/10	24	0.448	30	0.174	24	0.179	30	92.92	30	0.47	07
01/24/10	24	0.447	30	0.190	24	0.182	30	92.81	30	0.00	00
01/25/10	24	0.447	30	0.194	24	0.183	30	92.74	30	1.34	17
01/26/10	24	0.447	30	0.243	24	0.186	30	92.61	30	2.09	24
01/27/10	24	0.449	30	0.173	24	0.187	30	92.57	30	1.77	24
01/28/10	24	0.450	30	0.193	24	0.189	30	92.48	30	1.85	24
01/29/10	24	0.452	30	0.214	24	0.191	30	92.40	30	1.94	24
01/30/10	24	0.454	30	0.226	24	0.193	30	92.33	30	1.94	24
01/31/10	24	0.457	30	0.202	24	0.194	30	92.34	30	1.93	24
02/01/10	24	0.459	30	0.137	24	0.191	30	92.47	30	1.46	24
02/02/10	24	0.461	30	0.344	24	0.197	30	92.23	30	2.73	24
02/03/10	24	0.462	30	0.152	24	0.197	30	92.20	30	1.95	24
02/04/10	24	0.462	30	0.158	24	0.195	30	92.25	30	1.69	24
02/05/10	24	0.463	30	0.141	24	0.194	30	92.26	30	1.63	24

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	Blr 1&2 SO2 Tons	Vld
02/06/10	24	0.462	30	0.163	24	0.185	30	92.56	30	1.47	24
02/07/10	24	0.464	30	0.192	24	0.184	30	92.55	30	1.85	24
02/08/10	24	0.466	30	0.195	24	0.184	30	92.53	30	1.96	24
02/09/10	24	0.466	30	0.252	24	0.186	30	92.43	30	2.48	24
02/10/10	24	0.467	30	0.169	24	0.183	30	92.55	30	1.61	24
02/11/10	24	0.468	30	0.162	24	0.183	30	92.54	30	1.55	24
02/12/10	24	0.469	30	0.220	24	0.185	30	92.45	30	2.05	24
02/13/10	24	0.471	30	0.201	24	0.187	30	92.34	30	1.95	24
02/14/10	24	0.471	30	0.179	24	0.188	30	92.27	30	1.82	24
02/15/10	24	0.472	30	0.221	24	0.191	30	92.16	30	2.05	24
02/16/10	24	0.473	30	0.254	08	0.193	30	92.06	30	0.71	08
02/17/10	24	0.474	29	0.152	10	0.193	30	92.03	30	0.72	10
02/18/10	24	0.474	28	0.189	24	0.193	30	92.04	30	1.79	24
02/19/10	24	0.474	27	0.150	24	0.193	30	92.06	30	1.60	24
02/20/10	24	0.474	26	0.181	24	0.192	30	92.08	30	1.79	24
02/21/10	24	0.474	25	0.159	24	0.192	30	92.06	30	1.62	24
02/22/10	24	0.474	24	0.186	24	0.192	30	92.04	30	1.82	24
02/23/10	24	0.476	24	0.183	24	0.192	30	92.06	30	1.87	24
02/24/10	24	0.477	24	0.201	13	0.192	30	92.07	30	1.06	13
02/25/10	24	0.478	24	0.277	12	0.192	30	92.11	30	1.42	12
02/26/10	24	0.476	24	0.254	24	0.195	30	92.03	30	2.40	24
02/27/10	24	0.474	24	0.239	24	0.197	30	91.99	30	2.55	24
02/28/10	24	0.471	24	0.203	24	0.196	30	92.01	30	1.78	24
03/01/10	24	0.469	24	0.166	24	0.194	30	92.07	30	1.58	24
03/02/10	24	0.466	24	0.145	24	0.192	30	92.13	30	2.06	24
03/03/10	24	0.465	24	0.177	24	0.193	30	92.05	30	1.73	24
03/04/10	24	0.464	24	0.178	24	0.187	30	92.24	30	1.86	24
03/05/10	24	0.463	24	0.192	24	0.189	30	92.18	30	1.85	24
03/06/10	24	0.463	24	0.206	24	0.191	30	92.11	30	2.03	24
03/07/10	24	0.463	24	0.200	24	0.193	30	92.04	30	1.93	24
03/08/10	24	0.463	24	0.239	24	0.195	30	91.94	30	2.32	24
03/09/10	24	0.462	24	0.226	24	0.197	30	91.90	30	1.81	24
03/10/10	24	0.460	24	0.206	24	0.197	30	91.90	30	2.67	24
03/11/10	24	0.458	24	0.188	24	0.195	30	91.99	30	1.91	24
03/12/10	24	0.455	24	0.212	24	0.196	30	91.92	30	2.10	24
03/13/10	24	0.454	24	0.201	24	0.198	30	91.87	30	2.04	24
03/14/10	24	0.453	24	0.251	24	0.199	30	91.86	30	2.26	24
03/15/10	24	0.451	24	0.207	24	0.199	30	91.86	30	2.02	24
03/16/10	24	0.453	24	0.183	24	0.199	30	91.88	30	1.96	24
03/17/10	24	0.453	24	0.191	24	0.198	30	91.95	30	2.00	24

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	Blr 1&2 SO2 Tons	Vld
03/18/10	24	0.453	24	0.203	24	0.198	30	91.99	30	1.96	24
03/19/10	24	0.454	25	0.210	24	0.199	30	91.96	30	1.99	24
03/20/10	24	0.456	26	0.223	24	0.200	30	91.93	30	1.94	24
03/21/10	24	0.458	27	0.218	24	0.202	30	91.85	30	2.06	24
03/22/10	24	0.458	28	0.184	24	0.202	30	91.86	30	1.63	24
03/23/10	24	0.459	29	0.148	24	0.202	30	91.88	30	1.48	24
03/24/10	24	0.459	30	0.159	24	0.201	30	91.94	30	1.45	24
03/25/10	24	0.461	30	0.255	24	0.204	30	91.87	30	2.33	24
03/26/10	24	0.462	30	0.197	24	0.203	30	91.89	30	1.97	24
03/27/10	19	0.462	30	0.212	18	0.203	30	91.89	30	1.66	24
03/28/10	24	0.459	30	0.160	24	0.201	30	91.98	30	1.58	24
03/29/10	24	0.458	30	0.207	24	0.199	30	92.02	30	1.89	24
03/30/10	24	0.457	30	0.205	24	0.198	30	92.06	30	1.96	24
03/31/10	24	0.455	30	0.161	24	0.197	30	92.12	30	1.53	24

CEMS Daily Averages - 01/01/10 To 03/31/10

Facility Name: T.E.S. Filer City Station Location: Filer City, MI Source: Boiler 2

Period: 01/01/10 00:00:00 To 03/31/10 23:59:59; Records = 90

	Operating Hours	NOx		SO2		SO2		SO2		
	CEMS	30-Day		24-Hr		30-Day		30-Day		
Date		lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	
01/01/10	24	0.354	30	0.186	24	0.174	30	93.16	30	0.00
01/02/10	24	0.354	30	0.245	24	0.176	30	93.08	30	0.00
01/03/10	24	0.355	30	0.177	24	0.176	30	93.10	30	0.00
01/04/10	24	0.355	30	0.161	24	0.175	30	93.15	30	0.00
01/05/10	24	0.354	30	0.185	24	0.175	30	93.15	30	0.00
01/06/10	24	0.354	30	0.152	24	0.175	30	93.15	30	0.00
01/07/10	21	0.354	30	0.241	21	0.175	30	93.15	30	0.00
01/08/10	7	0.354	30	2.439	07	0.175	30	93.15	30	0.00
01/09/10	24	0.355	30	0.186	24	0.175	30	93.15	30	0.00
01/10/10	24	0.355	30	0.197	24	0.176	30	93.09	30	0.00
01/11/10	24	0.355	30	0.245	24	0.177	30	93.05	30	0.00
01/12/10	24	0.356	30	0.184	24	0.177	30	93.05	30	0.00
01/13/10	24	0.356	30	0.237	24	0.181	30	92.92	30	0.00
01/14/10	24	0.355	30	0.169	24	0.180	30	92.93	30	0.00
01/15/10	24	0.355	30	0.226	24	0.181	30	92.90	30	0.00
01/16/10	24	0.356	30	0.199	24	0.181	30	92.90	30	0.00
01/17/10	24	0.357	30	0.170	24	0.180	30	92.95	30	0.00
01/18/10	24	0.357	30	0.186	24	0.181	30	92.91	30	0.00
01/19/10	24	0.357	30	0.169	24	0.183	30	92.85	30	0.00
01/20/10	24	0.357	30	0.142	24	0.182	30	92.88	30	0.00
01/21/10	24	0.358	30	0.138	24	0.180	30	92.94	30	0.00
01/22/10	24	0.359	30	0.142	24	0.180	30	92.97	30	0.00
01/23/10	24	0.360	30	0.177	24	0.180	30	92.97	30	0.00
01/24/10	24	0.361	30	0.172	24	0.180	30	92.93	30	0.00
01/25/10	24	0.362	30	0.232	24	0.182	30	92.87	30	0.00
01/26/10	24	0.364	30	0.203	24	0.184	30	92.77	30	0.00
01/27/10	24	0.366	30	0.200	24	0.186	30	92.71	30	0.00
01/28/10	24	0.367	30	0.188	24	0.186	30	92.69	30	0.00
01/29/10	24	0.367	30	0.187	24	0.187	30	92.67	30	0.00
01/30/10	24	0.369	30	0.177	24	0.187	30	92.69	30	0.00
01/31/10	24	0.370	30	0.200	24	0.188	30	92.64	30	0.00
02/01/10	24	0.371	30	0.164	24	0.187	30	92.72	30	0.00
02/02/10	24	0.371	30	0.227	24	0.188	30	92.67	30	0.00
02/03/10	24	0.372	30	0.252	24	0.188	30	92.64	30	0.00
02/04/10	24	0.372	30	0.191	24	0.189	30	92.61	30	0.00
02/05/10	24	0.372	30	0.196	24	0.190	30	92.54	30	0.00

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	
02/06/10	24	0.372	30	0.142	24	0.188	30	92.57	30	0.00
02/07/10	24	0.372	30	0.192	24	0.190	30	92.49	30	0.00
02/08/10	24	0.373	30	0.210	24	0.190	30	92.43	30	0.00
02/09/10	24	0.375	30	0.260	24	0.193	30	92.34	30	0.00
02/10/10	24	0.377	30	0.169	24	0.190	30	92.42	30	0.00
02/11/10	24	0.378	30	0.160	24	0.189	30	92.44	30	0.00
02/12/10	24	0.378	30	0.208	24	0.188	30	92.45	30	0.00
02/13/10	24	0.380	30	0.210	24	0.190	30	92.39	30	0.00
02/14/10	24	0.382	30	0.199	24	0.189	30	92.39	30	0.00
02/15/10	24	0.383	30	0.204	24	0.189	30	92.36	30	0.00
02/16/10	24	0.384	30	0.191	08	0.190	30	92.31	30	0.00
02/17/10	24	0.384	30	0.208	10	0.190	30	92.28	30	0.00
02/18/10	24	0.385	30	0.186	24	0.191	30	92.26	30	0.00
02/19/10	24	0.386	30	0.181	24	0.192	30	92.21	30	0.00
02/20/10	24	0.387	30	0.190	24	0.194	30	92.13	30	0.00
02/21/10	24	0.387	30	0.170	24	0.195	30	92.07	30	0.00
02/22/10	24	0.388	30	0.184	24	0.195	30	92.04	30	0.00
02/23/10	24	0.389	30	0.203	24	0.196	30	92.01	30	0.00
02/24/10	24	0.391	30	0.210	13	0.195	30	92.06	30	0.00
02/25/10	24	0.393	30	0.304	12	0.197	30	92.01	30	0.00
02/26/10	24	0.394	30	0.243	24	0.198	30	91.97	30	0.00
02/27/10	24	0.395	30	0.286	24	0.202	30	91.86	30	0.00
02/28/10	24	0.396	30	0.162	24	0.201	30	91.88	30	0.00
03/01/10	24	0.395	30	0.160	24	0.200	30	91.88	30	0.00
03/02/10	24	0.394	30	0.281	24	0.203	30	91.75	30	0.00
03/03/10	24	0.394	30	0.181	24	0.204	30	91.71	30	0.00
03/04/10	24	0.395	30	0.205	24	0.203	30	91.73	30	0.00
03/05/10	24	0.394	30	0.186	24	0.201	30	91.81	30	0.00
03/06/10	24	0.394	30	0.210	24	0.201	30	91.77	30	0.00
03/07/10	24	0.394	30	0.196	24	0.201	30	91.78	30	0.00
03/08/10	24	0.395	30	0.240	24	0.205	30	91.64	30	0.00
03/09/10	24	0.396	30	0.148	24	0.203	30	91.72	30	0.00
03/10/10	24	0.396	30	0.351	24	0.208	30	91.56	30	0.00
03/11/10	24	0.395	30	0.209	24	0.207	30	91.64	30	0.00
03/12/10	24	0.393	30	0.225	24	0.209	30	91.57	30	0.00
03/13/10	24	0.392	30	0.224	24	0.211	30	91.49	30	0.00
03/14/10	24	0.393	30	0.220	24	0.211	30	91.51	30	0.00
03/15/10	24	0.392	30	0.211	24	0.211	30	91.53	30	0.00
03/16/10	24	0.391	30	0.220	24	0.212	30	91.53	30	0.00
03/17/10	24	0.390	30	0.221	24	0.213	30	91.54	30	0.00

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	
03/18/10	24	0.389	30	0.208	24	0.213	30	91.55	30	0.00
03/19/10	24	0.389	30	0.209	24	0.213	30	91.57	30	0.00
03/20/10	24	0.390	30	0.181	24	0.212	30	91.59	30	0.00
03/21/10	24	0.391	30	0.207	24	0.213	30	91.56	30	0.00
03/22/10	24	0.391	30	0.156	24	0.212	30	91.63	30	0.00
03/23/10	24	0.391	30	0.159	24	0.212	30	91.66	30	0.00
03/24/10	24	0.391	30	0.140	24	0.210	30	91.75	30	0.00
03/25/10	24	0.392	30	0.227	24	0.211	30	91.74	30	0.00
03/26/10	24	0.392	30	0.210	24	0.211	30	91.75	30	0.00
03/27/10	24	0.390	30	0.216	24	0.210	30	91.80	30	0.00
03/28/10	24	0.390	30	0.173	24	0.207	30	91.87	30	0.00
03/29/10	24	0.390	30	0.185	24	0.204	30	92.00	30	0.00
03/30/10	24	0.390	30	0.204	24	0.205	30	91.96	30	0.00
03/31/10	24	0.391	30	0.161	24	0.205	30	91.98	30	0.00

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 Opacity

Emission Limitation: 10

Reporting Period Dates: From 1/01/2010 To 3/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/15/08

Total Source Operating Time in Reporting Period: 21600 periods

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in 6-minute periods

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	4	0.02
2. Control Equip Problems	2	0.01
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	6	0.03

Durations in 6-minute periods

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	4-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 NOx lb/mmBtu 30-Day

Emission Limitation: 0.60

Reporting Period Dates: From 1/01/2010 To 3/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2155 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	174	8.07
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	174	8.07

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	4-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO2 lb/mmBtu 24-Hr

Emission Limitation: 0.7

Reporting Period Dates: From 1/01/2010 To 3/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 02/25/10

Total Source Operating Time in Reporting Period: 2155 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	53	2.46
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	53	2.46

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	4-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boilers Total SO2 Tons

Emission Limitation: 6.45

Reporting Period Dates: From 1/01/2010 To 3/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boilers

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2160 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	101	4.68
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	101	4.68

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	4-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO2 lb/mmBtu 30-Day

Emission Limitation: 0.5

Reporting Period Dates: From 1/01/2010 To 3/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 02/25/10

Total Source Operating Time in Reporting Period: 2155 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	53	2.46
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	53	2.46

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	4-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO2 Reduction 30-Day

Emission Limitation: 90

Reporting Period Dates: From 1/01/2010 To 3/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 02/25/10

Total Source Operating Time in Reporting Period: 2155 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	53	2.46
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	53	2.46

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

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Jason M. Prentice	Jason M. Prentice	Env. Planner	4-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 CO lb/mmBtu 8-Hr

Emission Limitation: 0.3

Reporting Period Dates: From 1/01/2010 To 3/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2155 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	26	1.21
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	26	1.21

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	4-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 CO lb/hr 8-Hr

Emission Limitation: 115.2

Reporting Period Dates: From 1/01/2010 To 3/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2155 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	8	0.37
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	8	0.37

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	4-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 Opacity

Emission Limitation: 10

Reporting Period Dates: From 1/01/2010 To 3/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/15/08

Total Source Operating Time in Reporting Period: 21573 periods

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in 6-minute periods

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	5	0.02
2. Control Equip Problems	10	0.05
3. Process Problems	4	0.02
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	19	0.09

Durations in 6-minute periods

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	4-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 NOx lb/mmBtu 30-Day

Emission Limitation: 0.60

Reporting Period Dates: From 1/01/2010 To 3/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2140 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	4-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 SO2 lb/mmBtu 24-Hr

Emission Limitation: 0.7

Reporting Period Dates: From 1/01/2010 To 3/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 02/25/10

Total Source Operating Time in Reporting Period: 2140 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	53	2.48
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	53	2.48

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	7	0.33
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	7	0.33

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	4-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 SO2 lb/mmBtu 30-Day

Emission Limitation: 0.5

Reporting Period Dates: From 1/01/2010 To 3/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 02/25/10

Total Source Operating Time in Reporting Period: 2140 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	53	2.48
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	53	2.48

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	4-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 SO2 Reduction 30-Day

Emission Limitation: 90

Reporting Period Dates: From 1/01/2010 To 3/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 02/25/10

Total Source Operating Time in Reporting Period: 2140 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	53	2.48
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	53	2.48

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	4-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 CO lb/mmBtu 8-Hr

Emission Limitation: 0.3

Reporting Period Dates: From 1/01/2010 To 3/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2140 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	7	0.33
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	7	0.33

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

Jason M. Prentice	Jason M. Prentice	Env. Planner	4-29-10
Name	Signature	Title	Date

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 CO lb/hr 8-Hr

Emission Limitation: 115.2

Reporting Period Dates: From 1/01/2010 To 3/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2140 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	7	0.33
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	7	0.33

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	4-29-10
NAME	SIGNATURE	TITLE	DATE

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Opacity

Data in the Reporting Period: 01/01/10 to 03/31/10

Incid. No.	Start Date	End Date	Duration Periods	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 Periods , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 21600 Periods

Downtime Report

Facility Name: T.E.S. Filer City Station
Location: Filer City, MI
Source: Boiler 1
Parameter: NOx CEMS

Data in the Reporting Period: 01/01/10 to 03/31/10

Incld No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	02/16/10 08:00:36	02/23/10 13:59:37	174	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Repaired leak in the analyzer tubing and ran calibration

Total Downtime in the Reporting Period = 174 hours , Data Availability for this Reporting Period = 91.93 %
Total Operating Time in the Reporting Period = 2155 hours

Report Printed on: 04/29/10 12:54:26 . C:\CEMLink\reports\dwnepa.frx

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 CEMS

Data in the Reporting Period: 01/01/10 to 03/31/10

Incid No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	02/16/10 08:00:36	02/17/10 13:59:42	30	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Replaced span 3 with known good and ran probational
2	02/24/10 13:00:38	02/25/10 11:59:43	23	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Ran Linearity test.

Total Downtime in the Reporting Period = 53 hours , Data Availability for this Reporting Period = 97.54 %
Total Operating Time in the Reporting Period = 2155 hours

Report Printed on: 04/29/10 12:54:27 C:\CEMLink\reports\dwnepa.frx

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO CEMS

Data in the Reporting Period: 01/01/10 to 03/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2155 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO2 Analyzer

Data in the Reporting Period: 01/01/10 to 03/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2155 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Inlet SO2 CEMS

Data in the Reporting Period: 01/01/10 to 03/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2155 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Inlet CO2 Analyzer

Data in the Reporting Period: 01/01/10 to 03/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2155 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Opacity

Data in the Reporting Period: 01/01/10 to 03/31/10

Incid. No.	Start Date	End Date	Duration Periods	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 Periods , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 21573 Periods

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: NOx CEMS

Data in the Reporting Period: 01/01/10 to 03/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2140 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 CEMS

Data in the Reporting Period: 01/01/10 to 03/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	02/16/10 08:00:38	02/17/10 13:59:38	30	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Replaced span 3 tank with known good tank and ran
2	02/24/10 13:00:36	02/25/10 11:59:35	23	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Ran linearity

Total Downtime in the Reporting Period = 53 hours , Data Availability for this Reporting Period = 97.52 %

Total Operating Time in the Reporting Period = 2140 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO CEMS

Data in the Reporting Period: 01/01/10 to 03/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2140 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO2 Analyzer

Data in the Reporting Period: 01/01/10 to 03/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2140 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Inlet SO2 CEMS

Data in the Reporting Period: 01/01/10 to 03/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2140 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Inlet CO2 Analyzer

Data in the Reporting Period: 01/01/10 to 03/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2140 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Opacity

Limit: 10

Data in the Reporting Period: 01/01/10 to 03/31/10

Inc No.	Start Date	End Date	Duration Periods	Emission Reading	EPA Category	Reason for Incident	Corrective Action
1	01/26/10 05:24:41	01/26/10 05:35:35	2		Control Equip Problems	Atomizer Trip.	Restored to service.
2	03/27/10 16:06:43	03/27/10 16:29:43	4	64.00 44.00	Startup/Shutdown	Process down grate jam due to clinkers	Removed cllinkers and started MMp procedures

Total Duration in the Reporting Period = 6 Periods , Percentage of Operating Time above Excess Emission Limit = 0.03 %

Total Operating Time in the Reporting Period = 21600 Periods

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: NOx lb/mmBtu 30-Day

Limit: 0.60

Data in the Reporting Period: 01/01/10 to 03/31/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2155 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 lb/mmBtu 24-Hr

Data in the Reporting Period: 01/01/10 to 03/31/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2155 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 lb/mmBtu 30-Day

Limit: 0.5

Data in the Reporting Period: 01/01/10 to 03/31/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2155 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 Reduction 30-Day

Limit: 90

Data in the Reporting Period: 01/01/10 to 03/31/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2155 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO lb/mmBtu 8-Hr

Data in the Reporting Period: 01/01/10 to 03/31/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	01/07/10 16:00:37	01/07/10 23:59:37	8	1.8	0.3	Startup/Shutdown	Startup after unit 2 had tube blow and	Followed MMP procedures for start up .
2	03/27/10 08:00:36	03/27/10 15:59:36	7	2.8	0.3	Startup/Shutdown	Shutdown ; Grate jam due to clinkers on	Removed clinkers from grates.
3	03/27/10 16:00:33	03/27/10 23:59:33	3	2.4	0.3	Startup/Shutdown	Startup	Followed MMP procedures for startup
4	03/28/10 00:00:37	03/28/10 07:59:37	8	0.4	0.3	Startup/Shutdown	Startup	Followed MMP procedures for startup

Total Duration in the Reporting Period = 26 hours , Percentage of Operating Time above Excess Emission Limit = 1.21 %

Total Operating Time in the Reporting Period = 2155 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO lb/hr 8-Hr

Data in the Reporting Period: 01/01/10 to 03/31/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	01/07/10 16:00:37	01/07/10 23:59:37	8	136.2	115.2	Startup/Shutdown	Shutdown .Tube blow Unit 2. Unit 1 tripped	Restored water level and restarted unit 1

Total Duration in the Reporting Period = 8 hours , Percentage of Operating Time above Excess Emission Limit = 0.37 %

Total Operating Time in the Reporting Period = 2155 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Opacity

Limit: 10

Data in the Reporting Period: 01/01/10 to 03/31/10

Inc No.	Start Date	End Date	Duration Periods	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
1	01/01/10 20:24:35	01/01/10 20:29:35	1	15	15	Control Equip Problems	Soenoid valve in baghouse inoperational.	Repaired solenoid , restored to service.
2	01/02/10 05:48:37	01/02/10 05:59:37	2	13	14	Process Problems	Baghouse compartments problems.	Checked compartments and restored to service.
3	01/07/10 21:00:36	01/07/10 21:17:36	3	44	69	Startup/Shutdown	Shutdown, Tube blow in the economizer	Repairing Tubing.
4	01/07/10 21:42:40	01/07/10 21:53:41	2	18	25	Startup/Shutdown	shutdown, Tube blow in the economizer	Repairing tube.
5	02/05/10 11:12:34	02/05/10 11:17:34	1	42	42	Control Equip Problems	Baghouse bypass Lo Temp.	Restored to service.
6	02/23/10 10:36:39	02/23/10 10:41:39	1	14	14	Control Equip Problems	Baghouse bypass Hi Temp.	Restored to service.
7	03/02/10 13:18:43	03/02/10 13:35:40	3	78	80	Control Equip Problems	Baghouse bypass high temperature	Restored to service.
8	03/10/10 08:00:42	03/10/10 08:23:40	4	61	70	Control Equip Problems	Bag house by pass High Temperature	Restored to service.
9	03/30/10 08:18:43	03/30/10 08:29:42	2	57	75	Process Problems	Baghouse bypass due to High Temp.	Restored to service.

Total Duration in the Reporting Period = 19 Periods , Percentage of Operating Time above Excess Emission Limit = 0.09 %

Total Operating Time in the Reporting Period = 21573 Periods

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: NOx lb/mmBtu 30-Day

Limit: 0.60

Data in the Reporting Period: 01/01/10 to 03/31/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2140 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 lb/mmBtu 24-Hr

Data in the Reporting Period: 01/01/10 to 03/31/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	01/08/10 00:00:59	01/08/10 23:59:59	7	2.4	0.7	Startup/Shutdown	Startup after repair of tubes in the	Followed MMp procedures for startup

Total Duration in the Reporting Period = 7 hours , Percentage of Operating Time above Excess Emission Limit = 0.33 %

Total Operating Time in the Reporting Period = 2140 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 lb/mmBtu 30-Day

Limit: 0.5

Data in the Reporting Period: 01/01/10 to 03/31/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2140 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 Reduction 30-Day

Limit: 90

Data in the Reporting Period: 01/01/10 to 03/31/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2140 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO lb/mmBtu 8-Hr

Data in the Reporting Period: 01/01/10 to 03/31/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	01/08/10 16:00:39	01/08/10 23:59:39	7	5.7	0.3	Startup/Shutdown	startup after shutdown due to economizer	did manual calibration, startup following MMP

Total Duration in the Reporting Period = 7 hours , Percentage of Operating Time above Excess Emission Limit = 0.33 %

Total Operating Time in the Reporting Period = 2140 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO lb/hr 8-Hr

Data in the Reporting Period: 01/01/10 to 03/31/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	01/08/10 16:00:39	01/08/10 23:59:39	7	173.4	115.2	Startup/Shutdown	Startup after repair of tube in the	Started unit2 following MMP procedures.

Total Duration in the Reporting Period = 7 hours , Percentage of Operating Time above Excess Emission Limit = 0.33 %

Total Operating Time in the Reporting Period = 2140 hours

Linearity Test Report - 2010Q1

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 1 SO2 Low Audit Test Results **Analyzer Span:** 200.00 ppm

Mfr & Model: Thermo 43i **Serial Number:** 0622717877

Low-Level Calibration Gas (20-30% of Span) (40.000 ppm - 60.000 ppm)	Concentration:	50.590
	Cylinder No.:	ALM063532
	Expiration Date:	09/03/10
Mid-Level Calibration Gas (50-60% of Span) (100.00 ppm - 120.00 ppm)	Concentration:	111.90
	Cylinder No.:	AAL21110
	Expiration Date:	09/03/10
High-Level Calibration Gas (80-100% of Span) (160.00 ppm - 200.00 ppm)	Concentration:	182.00
	Cylinder No.:	ALM011007
	Expiration Date:	05/11/11

Test Date: 02/25/10 **Tester:** A Patten

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	10:53:32	50.880	10:58:24	113.24	11:03:23	179.82
Run 2	11:23:18	51.120	11:28:16	112.82	11:33:18	179.82
Run 3	11:54:27	51.320	11:59:27	112.32	12:04:27	178.36
Avg. Monitor Response		51.107		112.793		179.333
Linearity Error		1.0		0.8		1.5
Absolute Difference		0.5		0.9		2.7
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS I Cal. Gas Concentration - Avg. Monitor Response I}}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS I Cal. Gas Concentration - Avg. Monitor Response I

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Linearity Test Report - 2010Q1

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 1 SO2 High Audit Test Results **Analyzer Span:** 1500.0 ppm

Mfr & Model: Thermo 43i **Serial Number:** 0622717877

Low-Level Calibration Gas (20-30% of Span) (300.00 ppm - 450.00 ppm)	Concentration:	377.40
	Cylinder No.:	ALM018564
	Expiration Date:	04/14/11
Mid-Level Calibration Gas (50-60% of Span) (750.00 ppm - 900.00 ppm)	Concentration:	829.10
	Cylinder No.:	ALM029460
	Expiration Date:	09/02/11
High-Level Calibration Gas (80-100% of Span) (1200.0 ppm - 1500.0 ppm)	Concentration:	1340.0
	Cylinder No.:	ALM041662
	Expiration Date:	11/10/12

Test Date: 02/25/10 **Tester:** A Patten

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	13:40:18	384.45	13:45:13	842.85	13:50:14	1331.3
Run 2	14:06:43	383.55	14:11:39	842.10	14:16:37	1334.4
Run 3	15:13:59	385.95	15:18:57	840.30	15:23:55	1337.9
Avg. Monitor Response		384.650		841.750		1334.53
Linearity Error		1.9		1.5		0.4
Absolute Difference		7.3		12.7		5.5
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS I Cal. Gas Concentration - Avg. Monitor Response I}}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS I Cal. Gas Concentration - Avg. Monitor Response I

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Linearity Test Report - 2010Q1

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 1 NOx High Audit Test Results **Analyzer Span:** 500.00 ppm

Mfr & Model: Thermo 42i **Serial Number:** 0623017966

Low-Level Calibration Gas (20-30% of Span) (100.00 ppm - 150.00 ppm)	Concentration: 126.70 Cylinder No.: ALM063532 Expiration Date: 09/03/10
Mid-Level Calibration Gas (50-60% of Span) (250.00 ppm - 300.00 ppm)	Concentration: 276.80 Cylinder No.: AAL21110 Expiration Date: 09/03/10
High-Level Calibration Gas (80-100% of Span) (400.00 ppm - 500.00 ppm)	Concentration: 447.00 Cylinder No.: ALM011007 Expiration Date: 05/11/11

Test Date: 02/25/10 **Tester:** Art Patten

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	10:53:32	130.25	10:58:24	282.40	11:03:23	452.25
Run 2	11:23:18	129.80	11:28:16	281.20	11:33:18	448.55
Run 3	11:54:27	131.85	11:59:27	280.95	12:04:27	445.60
Avg. Monitor Response		130.633		281.517		448.800
Linearity Error		3.1		1.7		0.4
Absolute Difference		3.9		4.7		1.8
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS I Cal. Gas Concentration - Avg. Monitor Response I}}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS I Cal. Gas Concentration - Avg. Monitor Response I

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Linearity Test Report - 2010Q1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 CO2 Audit Test Results Analyzer Span: 20.000 %

Mfr & Model: Thermo 410i

Serial Number: 0622717869

Low-Level Calibration Gas (20-30% of Span) (4.000 % - 6.000 %)	Concentration: 5.530 Cylinder No.: ALM063532 Expiration Date: 09/03/10
Mid-Level Calibration Gas (50-60% of Span) (10.000 % - 12.000 %)	Concentration: 11.010 Cylinder No.: AAL21110 Expiration Date: 09/03/10
High-Level Calibration Gas (80-100% of Span) (16.000 % - 20.000 %)	Concentration: 17.600 Cylinder No.: ALM011007 Expiration Date: 05/11/11

Test Date: 02/25/10 Tester: A Patten

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	10:53:32	5.520	10:58:24	10.990	11:03:23	17.630
Run 2	11:23:18	5.540	11:28:16	11.010	11:33:18	17.610
Run 3	11:54:27	5.540	11:59:27	10.990	12:04:27	17.640
Avg. Monitor Response		5.533		10.997		17.627
Linearity Error		0.1		0.1		0.2
Absolute Difference		0.0		0.0		0.0
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS I Cal. Gas Concentration - Avg. Monitor Response I}}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS I Cal. Gas Concentration - Avg. Monitor Response I

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

CGA Test Report - 2010Q1

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 1 Inlet SO2 Audit Test Results **Analyzer Span:** 1500.0 ppm

Mfr & Model: Thermo 43i **Serial Number:** 0622717879

Low-Level Calibration Gas (20-30% of Span) (300.0 ppm - 450.0 ppm)	Concentration: 377.4 Cylinder No.: ALM018564 Expiration Date: 04/14/11
Mid-Level Calibration Gas (50-60% of Span) (750.0 ppm - 900.0 ppm)	Concentration: 829.1 Cylinder No.: ALM029460 Expiration Date: 09/02/11

Test Date: 02/24/10 **Tester:** A Patten

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	15:49:17	391.8	15:55:14	848.7
Run 2	16:10:14	393.3	16:16:10	850.5
Run 3	16:30:10	395.0	16:36:11	851.7
Avg. Monitor Response		393.4		850.3
Calibration Error		4.2		2.6
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response - Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Arthur Patten

Print Name: Art Patten
Technician/Service Representative

TESFiler0001350

CGA Test Report - 2010Q1

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 Inlet CO2 Audit Test Results Analyzer Span: 20.00 %

Mfr & Model: Thermo 410i

Serial Number: 0622717873

Low-Level Calibration Gas (20-30% of Span) (4.00 % - 6.00 %)
Concentration: 5.50
Cylinder No.: ALM018564
Expiration Date: 04/14/11

Mid-Level Calibration Gas (50-60% of Span) (10.00 % - 12.00 %)
Concentration: 11.11
Cylinder No.: ALM029460
Expiration Date: 09/02/11

Test Date: 02/24/10

Tester: A Patten

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	15:49:17	5.39	15:55:14	10.85
Run 2	16:10:14	5.40	16:16:10	10.87
Run 3	16:30:10	5.41	16:36:11	10.89
Avg. Monitor Response		5.40		10.87
Calibration Error		-1.8		-2.2
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response - Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Arthur Patten

Print Name: Art Patten
Technician/Service Representative

Linearity Test Report - 2010Q1

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 2 SO2 Low Audit Test Results **Analyzer Span:** 200.00 ppm

Mfr & Model: Thermo 43i **Serial Number:** 0622717880

Low-Level Calibration Gas (20-30% of Span) (40.000 ppm - 60.000 ppm)	Concentration:	50.590
	Cylinder No.:	ALM063532
	Expiration Date:	09/03/10
Mid-Level Calibration Gas (50-60% of Span) (100.00 ppm - 120.00 ppm)	Concentration:	111.90
	Cylinder No.:	AAL21110
	Expiration Date:	09/03/10
High-Level Calibration Gas (80-100% of Span) (160.00 ppm - 200.00 ppm)	Concentration:	182.00
	Cylinder No.:	ALM011007
	Expiration Date:	05/11/11

Test Date: 02/25/10 **Tester:** A Patten

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	10:54:27	49.840	10:59:26	111.92	11:04:25	179.48
Run 2	11:24:29	50.680	11:29:26	112.58	11:34:24	179.46
Run 3	11:55:42	50.440	12:00:39	112.28	12:05:36	179.24
Avg. Monitor Response		50.320		112.260		179.393
Linearity Error		0.5		0.3		1.4
Absolute Difference		0.3		0.4		2.6
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS I Cal. Gas Concentration - Avg. Monitor Response I}}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS I Cal. Gas Concentration - Avg. Monitor Response I

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Linearity Test Report - 2010Q1

Facility Name: T.E.S. Filer City Station Location: Filer City, MI

Blr 2 SO2 High Audit Test Results Analyzer Span: 1500.0 ppm

Mfr & Model: Thermo 431 Serial Number: 0622717880

Low-Level Calibration Gas (20-30% of Span) (300.00 ppm - 450.00 ppm)	Concentration: 377.40 Cylinder No.: ALM018564 Expiration Date: 04/14/11
Mid-Level Calibration Gas (50-60% of Span) (750.00 ppm - 900.00 ppm)	Concentration: 829.10 Cylinder No.: ALM029460 Expiration Date: 09/02/11
High-Level Calibration Gas (80-100% of Span) (1200.0 ppm - 1500.0 ppm)	Concentration: 1340.0 Cylinder No.: ALM041662 Expiration Date: 11/10/12

Test Date: 02/25/10 Tester: A Patten

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	13:41:26	388.65	13:46:24	840.90	13:51:17	1334.7
Run 2	14:07:59	387.45	14:12:57	846.80	14:17:56	1335.8
Run 3	15:15:31	388.35	15:20:30	841.35	15:25:28	1337.9
Avg. Monitor Response		388.150		842.950		1336.13
Linearity Error		2.8		1.7		0.3
Absolute Difference		10.8		13.9		3.9
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS} \mid \text{Cal. Gas Concentration - Avg. Monitor Response} \mid}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS | Cal. Gas Concentration - Avg. Monitor Response |

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Linearity Test Report - 2010Q1

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 2 NOx High Audit Test Results **Analyzer Span:** 500.00 ppm

Mfr & Model: Thermo 42i **Serial Number:** 0623017967

Low-Level Calibration Gas (20-30% of Span) (100.00 ppm - 150.00 ppm)	Concentration:	126.70
	Cylinder No.:	ALM063532
	Expiration Date:	09/03/10
Mid-Level Calibration Gas (50-60% of Span) (250.00 ppm - 300.00 ppm)	Concentration:	276.80
	Cylinder No.:	AAL21110
	Expiration Date:	09/03/10
High-Level Calibration Gas (80-100% of Span) (400.00 ppm - 500.00 ppm)	Concentration:	447.00
	Cylinder No.:	ALM011007
	Expiration Date:	05/11/11

Test Date: 02/25/10 **Tester:** A Patten

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	10:54:27	129.25	10:59:26	281.20	11:04:25	449.95
Run 2	11:24:29	129.95	11:29:26	281.25	11:34:24	447.90
Run 3	11:55:42	129.50	12:00:39	281.55	12:05:36	448.20
Avg. Monitor Response		129.567		281.333		448.683
Linearity Error		2.3		1.6		0.4
Absolute Difference		2.9		4.5		1.7
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS I Cal. Gas Concentration - Avg. Monitor Response I}}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS I Cal. Gas Concentration - Avg. Monitor Response I

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Linearity Test Report - 2010Q1

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 2 CO2 Audit Test Results **Analyzer Span:** 20.000 %

Mfr & Model: Thermo 410i **Serial Number:** 0622717874

Low-Level Calibration Gas (20-30% of Span) (4.000 % - 6.000 %)	Concentration:	5.530
	Cylinder No.:	ALM063532
	Expiration Date:	09/03/10
Mid-Level Calibration Gas (50-60% of Span) (10.000 % - 12.000 %)	Concentration:	11.010
	Cylinder No.:	AAL21110
	Expiration Date:	09/03/10
High-Level Calibration Gas (80-100% of Span) (16.000 % - 20.000 %)	Concentration:	17.600
	Cylinder No.:	ALM011007
	Expiration Date:	05/11/11

Test Date: 02/25/10 **Tester:** A Patten

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	10:54:27	5.540	10:59:26	10.970	11:04:25	17.660
Run 2	11:24:29	5.570	11:29:26	10.980	11:34:24	17.630
Run 3	11:55:42	5.570	12:00:39	10.990	12:05:36	17.640
Avg. Monitor Response		5.560		10.980		17.643
Linearity Error		0.5		0.3		0.2
Absolute Difference		0.0		0.0		0.0
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS I Cal. Gas Concentration - Avg. Monitor Response I}}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS I Cal. Gas Concentration - Avg. Monitor Response I

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

CGA Test Report - 2010Q1

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 2 Inlet SO2 Audit Test Results **Analyzer Span:** 1500.0 ppm

Mfr & Model: Thermo 43i **Serial Number:** 0622717883

Low-Level Calibration Gas (20-30% of Span) (300.0 ppm - 450.0 ppm)	Concentration: 377.4 Cylinder No.: ALM018564 Expiration Date: 04/14/11
Mid-Level Calibration Gas (50-60% of Span) (750.0 ppm - 900.0 ppm)	Concentration: 829.1 Cylinder No.: ALM029460 Expiration Date: 09/02/11

Test Date: 02/24/10 **Tester:** A Patten

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	15:50:18	390.5	15:56:15	850.2
Run 2	16:11:20	392.3	16:17:17	847.7
Run 3	16:31:12	390.9	16:37:19	851.3
Avg. Monitor Response		391.2		849.7
Calibration Error		3.7		2.5
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response - Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Arthur Patten

Print Name: ART PATTEN

Technician/Service Representative

TESFiler0001356

CGA Test Report - 2010Q1

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 2 Inlet CO2 Audit Test Results **Analyzer Span:** 20.00 %

Mfr & Model: Thermo 410i **Serial Number:** 0622717875

Low-Level Calibration Gas (20-30% of Span) (4.00 % - 6.00 %)	Concentration:	5.50
	Cylinder No.:	ALM018564
	Expiration Date:	04/14/11
Mid-Level Calibration Gas (50-60% of Span) (10.00 % - 12.00 %)	Concentration:	11.11
	Cylinder No.:	ALM029460
	Expiration Date:	09/02/11

Test Date: 02/24/10 **Tester:** A Patten

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	15:50:18	5.44	15:56:15	10.96
Run 2	16:11:20	5.44	16:17:17	10.96
Run 3	16:31:12	5.42	16:37:19	10.97
Avg. Monitor Response		5.43		10.96
Calibration Error		-1.3		-1.4
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response - Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Arthur Patten

Print Name: ART PATTEN

Technician/Service Representative

Scott Specialty Gases AIR LIQUIDE

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1290 COMBERMERE STREET, TROY, MI 48083 Phone: 248-589-2950 Fax: 248-589-2134

RATA CLASS

Dual-Analyzed Calibration Standard

CERTIFICATE OF ACCURACY: Interference Free™ Multi-Component EPA Protocol Gas

Assay Laboratory
AIR LIQUIDE AMERICA SPECIALTY GASES LLC
1290 COMBERMERE STREET
TROY, MI 48083

P.O. No.: 08-0609
Project No.: 05 -68065 -006

Customer
T.E.S. FILER CITY STATION

700 MEE STREET
PO BOX 12
FILER CITY MI 49634

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: ALM018564
Cylinder Pressure*:** 2000 PSIG

Certification Date: 02Sep2008

Exp. Date: 02Sep2010

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ACCURACY**	TRACEABILITY
CARBON DIOXIDE	5.499 %	+/- 1%	Direct NIST and VSL
SULFUR DIOXIDE *	377.4 PPM	+/- 1%	Direct NIST and VSL
NITROGEN	BALANCE		

*** Do not use when cylinder pressure is below 150 psig.
** Analytical accuracy is based on the requirements of EPA Protocol Procedure G1, September 1997.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMPONENT
NTRM 1800	01Mar2009	K005478	17.87 %	CARBON DIOXIDE
NTRM 1661	15Aug2009	ALM009704	506.4 PPM	SULFUR DIOXIDE

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
FTIR//0928621	07Aug2008	FTIR
FTIR//0928621	21Aug2008	FTIR

ANALYZER READINGS

(Z=Zero Gas R=Reference Gas T=Test Gas r=Correlation Coefficient)

First Triad Analysis

CARBON DIOXIDE
Date: 25Aug2008 Response Unit: %
Z1=0.00078 R1=17.83277 T1=5.49031
R2=17.83598 Z2=0.00585 T2=5.49207
Z3=0.00831 T3=5.49427 R3=17.83679
Avg. Concentration: 5.499 %

SULFUR DIOXIDE *
Date: 25Aug2008 Response Unit: PPM
Z1=-0.51806 R1=507.5364 T1=377.5407
R2=507.9665 Z2=-0.10514 T2=378.4697
Z3=-0.06345 T3=378.7893 R3=508.2387
Avg. Concentration: 377.2 PPM

Second Triad Analysis

Date: 02Sep2008 Response Unit: PPM
Z1=-0.01774 R1=507.6639 T1=378.7214
R2=507.9804 Z2=0.20666 T2=378.9375
Z3=0.54344 T3=379.2462 R3=508.5533
Avg. Concentration: 377.7 PPM

Calibration Curve

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99995E-1
Constants: A=0.00000E+0
B=9.10916E-1 C=1.17120E-2
D=0.00000E+0 E=0.00000E+0

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99990E-1
Constants: A=0.00000E+0
B=1.01803E+0 C=4.00000E-6
D=0.00000E+0 E=0.00000E+0

QUALITY ASSURANCE

APPROVED BY: Rob McCrandall
(signature on file)

Scott Specialty Gases AIR LIQUIDE

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RATA CLASS

Dual-Analyzed Calibration Standard

CERTIFICATE OF ACCURACY: Interference Free™ Multi-Component EPA Protocol Gas

Assay Laboratory
AIR LIQUIDE AMERICA SPECIALTY GASES LLC
1290 COMBERMERE STREET
TROY, MI 48083

P.O. No.: 09-0872
Project No.: 05 -82204 -001

Customer
T.E.S. FILER CITY STATION

700 MEE STREET
PO BOX 12
FILER CITY MI 49634

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: ALM041662 **Certification Date:** 12Oct2009 **Exp. Date:** 11Oct2012
Cylinder Pressure*:** 1918 PSIG

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ACCURACY**	TRACEABILITY
CARBON DIOXIDE	17.7 %	+/- 1%	Direct NIST and VSL
SULFUR DIOXIDE *	1,340 PPM	+/- 1%	Direct NIST and VSL
NITROGEN	BALANCE		

*** Do not use when cylinder pressure is below 150 psig.
** Analytical accuracy is based on the requirements of EPA Protocol Procedure G1, September 1997.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMPONENT
NTRM 1675	02Oct2012	K006545	13.93 %	CARBON DIOXIDE
NTRM 1664	02Oct2011	AAL3206	2402. PPM	SULFUR DIOXIDE

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
FTIR//0928621	01Oct2009	FTIR
FTIR//0928621	08Oct2009	FTIR

ANALYZER READINGS

(Z=Zero Gas R=Reference Gas T=Test Gas r=Correlation Coefficient)

First Triad Analysis	Second Triad Analysis	Calibration Curve
CARBON DIOXIDE		
Date: 05Oct2009 Response Unit: %		Concentration=A+Bx+Cx2+Dx3+Ex4
Z1=-0.00190 R1=13.89790 T1=17.66397		r=9.99997E-1
R2=13.91444 Z2=0.01459 T2=17.67207		Constants: A=0.00000E+0
Z3=0.02550 T3=17.67563 R3=13.92531		B=6.22651E-1 C=4.86300E-3
Avg. Concentration: 17.70 %		D=0.00000E+0 E=0.00000E+0
SULFUR DIOXIDE *		
Date: 05Oct2009 Response Unit: PPM	Date: 12Oct2009 Response Unit: PPM	Concentration=A+Bx+Cx2+Dx3+Ex4
Z1=-0.07595 R1=2381.366 T1=1325.306	Z1=0.34102 R1=2383.807 T1=1328.732	r=9.99985E-1
R2=2385.325 Z2=0.15381 T2=1325.835	R2=2388.546 Z2=0.49773 T2=1329.134	Constants: A=0.00000E+0
Z3=2.07895 T3=1326.167 R3=2387.309	Z3=5.04023 T3=1329.842 R3=2388.657	B=1.02391E+0 C=4.00000E-6
Avg. Concentration: 1335. PPM	Avg. Concentration: 1337. PPM	D=0.00000E+0 E=0.00000E+0

QUALITY ASSURANCE

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RATA CLASS

Dual-Analyzed Calibration Standard

CERTIFICATE OF ACCURACY: Interference Free™ Multi-Component EPA Protocol Gas

Assay Laboratory
AIR LIQUIDE AMERICA SPECIALTY GASES LLC
1290 COMBERMERE STREET
TROY, MI 48083

P.O. No.: 08-0609
Project No.: 05 -68065 -002

Customer
T.E.S. FILER CITY STATION

700 MEE STREET
PO BOX 12
FILER CITY MI 49634

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: ALM029460
Cylinder Pressure*:** 2013 PSIG

Certification Date: 02Sep2008

Exp. Date: 02Sep2011

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ACCURACY**	TRACEABILITY
CARBON DIOXIDE	11.11 %	+/- 1%	Direct NIST and VSL
SULFUR DIOXIDE *	829.1 PPM	+/- 1%	Direct NIST and VSL
NITROGEN	BALANCE		

*** Do not use when cylinder pressure is below 150 psig.
** Analytical accuracy is based on the requirements of EPA Protocol Procedure G1, September 1997.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMPONENT
NTRM 1800	01Mar2009	K005478	17.87 %	CARBON DIOXIDE
NTRM 1664	02Oct2011	AAL045456	2402. PPM	SULFUR DIOXIDE

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
FTIR//0928621	07Aug2008	FTIR
FTIR//0928621	21Aug2008	FTIR

ANALYZER READINGS

(Z=Zero Gas R=Reference Gas T=Test Gas r=Correlation Coefficient)

First Triad Analysis	Second Triad Analysis	Calibration Curve
CARBON DIOXIDE Date: 26Aug2008 Response Unit: % Z1=-0.00830 R1=17.79419 T1=11.06706 R2=17.81214 Z2=0.00077 T2=11.08136 Z3=0.00230 T3=11.08276 R3=17.82888 Avg. Concentration: 11.11 %		Concentration=A+Bx+Cx2+Dx3+Ex4 r=9.99995E-1 Constants: A=0.00000E+0 B=9.10916E-1 C=1.17120E-2 D=0.00000E+0 E=0.00000E+0
SULFUR DIOXIDE * Date: 26Aug2008 Response Unit: PPM Z1=0.42050 R1=2414.655 T1=833.1558 R2=2416.210 Z2=0.48835 T2=833.6235 Z3=0.86606 T3=834.5617 R3=2416.649 Avg. Concentration: 828.6 PPM	Date: 02Sep2008 Response Unit: PPM Z1=-0.12270 R1=2408.497 T1=832.6382 R2=2411.951 Z2=0.38978 T2=833.1339 Z3=0.99765 T3=833.7563 R3=2413.742 Avg. Concentration: 829.7 PPM	Concentration=A+Bx+Cx2+Dx3+Ex4 r=9.99990E-1 Constants: A=0.00000E+0 B=1.01803E+0 C=4.00000E-6 D=0.00000E+0 E=0.00000E+0

QUALITY ASSURANCE

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RATA CLASS

Dual-Analyzed Calibration Standard

CERTIFICATE OF ACCURACY: Interference Free™ Multi-Component EPA Protocol Gas

Assay Laboratory
AIR LIQUIDE AMERICA SPECIALTY GASES LLC
1290 COMBERMERE STREET
TROY, MI 48083

P.O. No.: 08-0609
Project No.: 05 -68065 -005

Customer
T.E.S. FILER CITY STATION

700 MEE STREET
PO BOX 12
FILER CITY MI 49634

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: ALM063532
Cylinder Pressure*:** 2000 PSIG

Certification Date: 03Sep2008

Exp. Date: 03Sep2010

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ACCURACY**	TRACEABILITY
CARBON DIOXIDE	5.531 %	+/- 1%	Direct NIST and VSL
CARBON MONOXIDE	125.6 PPM	+/- 1%	
NITRIC OXIDE	126.7 PPM	+/- 1%	Direct NIST and VSL
SULFUR DIOXIDE *	50.59 PPM	+/- 1%	Direct NIST and VSL
NITROGEN - OXYGEN FREE	BALANCE		
TOTAL OXIDES OF NITROGEN	126.7 PPM		Reference Value Only

*** Do not use when cylinder pressure is below 150 psig.
** Analytical accuracy is based on the requirements of EPA Protocol Procedure G1, September 1997.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMPONENT
NTRM 1800	01Mar2009	K005478	17.87 %	CARBON DIOXIDE
NTRM 2637	01Aug2009	ALM027702	2505. PPM	CARBON MONOXIDE
NTRM 1685	01Sep2010	KAL003525	247.1 PPM	NITRIC OXIDE
NTRM 1693	01Dec2011	KAL003875	50.20 PPM	SULFUR DIOXIDE

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
FTIR//0928621	07Aug2008	FTIR
VARIAN/3400/10693	02Sep2008	THERMAL CONDUCTIVITY
FTIR//0928621	28Aug2008	FTIR
FTIR//0928621	21Aug2008	FTIR

ANALYZER READINGS

(Z=Zero Gas R=Reference Gas T=Test Gas r=Correlation Coefficient)

First Triad Analysis
CARBON DIOXIDE
Date: 27Aug2008 Response Unit: %
Z1=0.00201 R1=17.81306 T1=5.51028
R2=17.81640 Z2=0.00382 T2=5.52205
Z3=0.00515 T3=5.52485 R3=17.83823
Avg. Concentration: 5.531 %

CARBON MONOXIDE
Date: 28Aug2008 Response Unit: AREA
Z1=0.00000 R1=1017686. T1=51094.00

Second Triad Analysis

Date: 04Sep2008 Response Unit: AREA
Z1=0.00000 R1=1029187. T1=50478.00

Calibration Curve

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99995E-1
Constants: A=0.00000E+0
B=9.10916E-1 C=1.17120E-2
D=0.00000E+0 E=0.00000E+0

Concentration=A+Bx+Cx2+Dx3+Ex4
r=0.999997

R2=1017641. Z2=0.00000 T2=51505.00
Z3=0.00000 T3=51603.00 R3=1023965.
Avg. Concentration: 125.0 PPM

NITRIC OXIDE

Date: 27Aug2008 Response Unit: PPM
Z1=-0.70105 R1=248.1422 T1=126.5275
R2=248.8705 Z2=-0.13325 T2=127.6669
Z3=-0.12574 T3=127.9229 R3=248.8764
Avg. Concentration: 126.7 PPM

SULFUR DIOXIDE *

Date: 27Aug2008 Response Unit: PPM
Z1=-0.05053 R1=50.31334 T1=50.67478
R2=50.33658 Z2=-0.04549 T2=50.70816
Z3=-0.03724 T3=50.79487 R3=50.35440
Avg. Concentration: 50.59 PPM

R2=1030876. Z2=0.00000 T2=50495.00
Z3=0.00000 T3=50579.00 R3=1032071.
Avg. Concentration: 126.2 PPM

Date: 03Sep2008 Response Unit: PPM
Z1=-0.52414 R1=247.9818 T1=127.3752
R2=249.1154 Z2=0.11929 T2=127.3788
Z3=0.12909 T3=127.5487 R3=249.2009
Avg. Concentration: 126.6 PPM

Date: 03Sep2008 Response Unit: PPM
Z1=-0.00910 R1=50.36045 T1=50.78603
R2=50.42107 Z2=0.02191 T2=50.81282
Z3=0.02471 T3=50.81497 R3=50.43045
Avg. Concentration: 50.60 PPM

Constants: A=3.556275
B=0.002453 C=0.000000
D=0.000000 E=0.000000

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99998E-1
Constants: A=0.00000E+0
B=9.44080E-1 C=3.90000E-5
D=0.00000E+0 E=0.00000E+0

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99998E-1
Constants: A=0.00000E+0
B=1.00342E+0 C=4.00000E-6
D=0.00000E+0 E=0.00000E+0

QUALITY ASSURANCE

APPROVED BY: Rob McCrandall
(signature on file)

Scott Specialty Gases AIR LIQUIDE

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1290 COMBERMERE STREET, TROY, MI 48083 Phone: 248-589-2950 Fax: 248-589-2134

RATA CLASS

Dual-Analyzed Calibration Standard

CERTIFICATE OF ACCURACY: Interference Free™ Multi-Component EPA Protocol Gas

Assay Laboratory
AIR LIQUIDE AMERICA SPECIALTY GASES LLC
1290 COMBERMERE STREET
TROY, MI 48083

P.O. No.: 09-0733
Project No.: 05 -80416 -001

Customer
T.E.S. FILER CITY STATION

700 MEE STREET
PO BOX 12
FILER CITY MI 49634

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: ALM036004
Cylinder Pressure*:** 1996 PSIG

Certification Date: 29Apr2009

Exp. Date: 29Apr2011

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ACCURACY**	TRACEABILITY
CARBON DIOXIDE	17.5 %	+/- 1%	Direct NIST and VSL
CARBON MONOXIDE	429 PPM	+/- 1%	Direct NIST and VSL
NITRIC OXIDE	439 PPM	+/- 1%	Direct NIST and VSL
SULFUR DIOXIDE *	180 PPM	+/- 1%	Direct NIST and VSL
NITROGEN - OXYGEN FREE	BALANCE		
TOTAL OXIDES OF NITROGEN	440. PPM		Reference Value Only

*** Do not use when cylinder pressure is below 150 psig.
** Analytical accuracy is based on the requirements of EPA Protocol Procedure G1, September 1997.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMPONENT
NTRM 1800	02Oct2012	K016413	17.87 %	CARBON DIOXIDE
NTRM 2637	01Aug2009	ALM048253	2505. PPM	CARBON MONOXIDE
NTRM 1686	01Sep2010	KAL003496	490.0 PPM	NITRIC OXIDE
NTRM 0260	15Jan2012	KAL003895	255.5 PPM	SULFUR DIOXIDE

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
FTIR//0928621	16Apr2009	FTIR
VARIAN/3400/10693	29Apr2009	THERMAL CONDUCTIVITY
FTIR//0928621	03Apr2009	FTIR
FTIR//0928621	09Apr2009	FTIR

ANALYZER READINGS

(Z=Zero Gas R=Reference Gas T=Test Gas r=Correlation Coefficient)

First Triad Analysis

CARBON DIOXIDE
Date: 22Apr2009 Response Unit: %
Z1=-0.00431 R1=17.88240 T1=17.51977
R2=17.88785 Z2=-0.00280 T2=17.54306
Z3=-0.00168 T3=17.58138 R3=17.91258
Avg. Concentration: 17.52 %

CARBON MONOXIDE
Date: 23Apr2009 Response Unit: AREA
Z1=0.00000 R1=994864.0 T1=171086.0

Second Triad Analysis

Date: 30Apr2009 Response Unit: AREA
Z1=0.00000 R1=1000588. T1=169855.0

Calibration Curve

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99997E-1
Constants: A=0.00000E+0
B=5.97888E-1 C=4.45000E-3
D=0.00000E+0 E=0.00000E+0

Concentration=A+Bx+Cx2+Dx3+Ex4
r=0.999999 2637

R2=996852.0 Z2=0.00000 T2=170293.0
Z3=0.00000 T3=170129.0 R3=996909.0
Avg. Concentration: 430.6 PPM

NITRIC OXIDE

Date: 22Apr2009 Response Unit: PPM
Z1=0.01518 R1=490.5476 T1=438.5127
R2=490.8382 Z2=0.27398 T2=441.2012
Z3=0.64921 T3=442.6489 R3=490.8400
Avg. Concentration: 440.1 PPM

SULFUR DIOXIDE *

Date: 22Apr2009 Response Unit: PPM
Z1=0.03348 R1=253.2062 T1=179.4637
R2=253.5631 Z2=0.03959 T2=179.5388
Z3=0.05882 T3=179.6459 R3=253.7392
Avg. Concentration: 180.9 PPM

R2=1000676. Z2=0.00000 T2=169393.0
Z3=0.00000 T3=170467.0 R3=1000398.
Avg. Concentration: 427.0 PPM

Date: 29Apr2009 Response Unit: PPM
Z1=0.00305 R1=492.2844 T1=440.3680
R2=493.2884 Z2=0.04337 T2=440.9261
Z3=0.52240 T3=443.0030 R3=493.3551
Avg. Concentration: 438.7 PPM

Date: 29Apr2009 Response Unit: PPM
Z1=-0.03671 R1=253.8123 T1=177.2937
R2=254.4553 Z2=-0.00281 T2=177.9217
Z3=0.03805 T3=178.4186 R3=254.4927
Avg. Concentration: 179.2 PPM

Constants: A=1.81424847
B=0.00246867 C=0
D=0 E=0

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99994E-1
Constants: A=0.00000E+0
B=8.96717E-1 C=3.40000E-5
D=0.00000E+0 E=0.00000E+0

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99990E-1
Constants: A=0.00000E+0
B=1.00856E+0 C=1.00000E-6
D=0.00000E+0 E=0.00000E+0

QUALITY ASSURANCE

APPROVED BY: Rob McCrandall
(signature on file)

Scott Specialty Gases AIR LIQUIDE

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1290 COMBERMERE STREET, TROY, MI 48083 Phone: 248-589-2950 Fax: 248-589-2134

RATA CLASS

Dual-Analyzed Calibration Standard

CERTIFICATE OF ACCURACY: Interference Free™ Multi-Component EPA Protocol Gas

Assay Laboratory
AIR LIQUIDE AMERICA SPECIALTY GASES LLC
1290 COMBERMERE STREET
TROY, MI 48083

P.O. No.: 09-0733
Project No.: 05 -80417 -001

Customer
T.E.S. FILER CITY STATION

700 MEE STREET
PO BOX 12
FILER CITY MI 49634

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: ALM011007
Cylinder Pressure*:** 1924 PSIG

Certification Date: 05Oct2009

Exp. Date: 05Oct2011

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ACCURACY**	TRACEABILITY
CARBON DIOXIDE	17.6 %	+/- 1%	Direct NIST and VSL
CARBON MONOXIDE	430 PPM	+/- 1%	Direct NIST and VSL
NITRIC OXIDE	447 PPM	+/- 1%	Direct NIST and VSL
SULFUR DIOXIDE *	182 PPM	+/- 1%	Direct NIST and VSL
NITROGEN - OXYGEN FREE	BALANCE		
TOTAL OXIDES OF NITROGEN	447. PPM		Reference Value Only

*** Do not use when cylinder pressure is below 150 psig.
** Analytical accuracy is based on the requirements of EPA Protocol Procedure G1, September 1997.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMPONENT
NTRM 1675	02Oct2012	K006545	13.93 %	CARBON DIOXIDE
NTRM 2637	01Aug2013	ALM016597	2505. PPM	CARBON MONOXIDE
NTRM 1685	01Sep2010	KAL003480	247.1 PPM	NITRIC OXIDE
NTRM 0260	02Oct2012	ALM044213	254.4 PPM	SULFUR DIOXIDE

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
FTIR//0928621	04Sep2009	FTIR
VARIAN/3400/10693	24Sep2009	THERMAL CONDUCTIVITY
FTIR//0928621	25Sep2009	FTIR
FTIR//0928621	24Sep2009	FTIR

ANALYZER READINGS

(Z=Zero Gas R=Reference Gas T=Test Gas r=Correlation Coefficient)

First Triad Analysis

CARBON DIOXIDE
Date: 28Sep2009 Response Unit: %
Z1=-0.00249 R1=13.88423 T1=17.52479
R2=13.91592 Z2=0.01589 T2=17.55260
Z3=0.02001 T3=17.55398 R3=13.92637
Avg. Concentration: 17.57 %

CARBON MONOXIDE
Date: 29Sep2009 Response Unit: AREA
Z1=0.00000 R1=972207.0 T1=167332.0

Second Triad Analysis

Date: 06Oct2009 Response Unit: AREA
Z1=0.00000 R1=985129.0 T1=168630.0

Calibration Curve

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99998E-1
Constants: A=0.00000E+0
B=6.24126E-1 C=4.85900E-3
D=0.00000E+0 E=0.00000E+0

Concentration=A+Bx+Cx2+Dx3+Ex4
r=0.999999 2637

R2=974691.0 Z2=0.00000 T2=167549.0
Z3=0.00000 T3=167547.0 R3=974866.0
Avg. Concentration: 430.6 PPM

NITRIC OXIDE

Date: 28Sep2009 Response Unit: PPM
Z1=0.00096 R1=247.0710 T1=443.6729
R2=247.2138 Z2=0.10213 T2=444.0940
Z3=0.10384 T3=445.7243 R3=247.2324
Avg. Concentration: 444.4 PPM

SULFUR DIOXIDE *

Date: 28Sep2009 Response Unit: PPM
Z1=-0.05566 R1=252.2426 T1=180.2914
R2=252.2518 Z2=-0.04429 T2=180.5027
Z3=0.00022 T3=180.5148 R3=252.4678
Avg. Concentration: 181.9 PPM

R2=986390.0 Z2=0.00000 T2=169152.0
Z3=0.00000 T3=168926.0 R3=983182.0
Avg. Concentration: 429.4 PPM

Date: 05Oct2009 Response Unit: PPM
Z1=1.12190 R1=247.2782 T1=445.8953
R2=247.3037 Z2=1.21044 T2=446.7388
Z3=1.28796 T3=447.6494 R3=247.6061
Avg. Concentration: 444.4 PPM

Date: 05Oct2009 Response Unit: PPM
Z1=0.00215 R1=251.3895 T1=179.0075
R2=251.6327 Z2=0.04098 T2=179.5765
Z3=0.04414 T3=179.8338 R3=251.7352
Avg. Concentration: 181.9 PPM

Constants: A=-0.08917938
B=0.002509548 C=0
D=0 E=0

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99992E-1
Constants: A=0.00000E+0
B=9.84226E-1 C=5.10000E-5
D=0.00000E+0 E=0.00000E+0

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99996E-1
Constants: A=0.00000E+0
B=1.00911E+0 C=3.00000E-6
D=0.00000E+0 E=0.00000E+0

QUALITY ASSURANCE

APPROVED BY: Rob McCrandall
(signature on file)

Scott Specialty Gases AIR LIQUIDE

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1290 COMBERMERE STREET, TROY, MI 48083 Phone: 248-589-2950 Fax: 248-589-2134

RATA CLASS

Dual-Analyzed Calibration Standard

CERTIFICATE OF ACCURACY: Interference Free™ Multi-Component EPA Protocol Gas

Assay Laboratory
AIR LIQUIDE AMERICA SPECIALTY GASES LLC
1290 COMBERMERE STREET
TROY, MI 48083

P.O. No.: 09-0928
Project No.: 05 -82617 -001

Customer
T.E.S. FILER CITY STATION

700 MEE STREET
PO BOX 12
FILER CITY MI 49634

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: ALM004751
Cylinder Pressure*:** 1939 PSIG

Certification Date: 05Oct2009

Exp. Date: 05Oct2011

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ACCURACY**	TRACEABILITY
CARBON DIOXIDE	17.5 %	+/- 1%	Direct NIST and VSL
CARBON MONOXIDE	434 PPM	+/- 1%	Direct NIST and VSL
NITRIC OXIDE	422 PPM	+/- 1%	Direct NIST and VSL
SULFUR DIOXIDE *	168 PPM	+/- 1%	Direct NIST and VSL
NITROGEN - OXYGEN FREE	BALANCE		
TOTAL OXIDES OF NITROGEN	422. PPM		Reference Value Only

*** Do not use when cylinder pressure is below 150 psig.
** Analytical accuracy is based on the requirements of EPA Protocol Procedure G1, September 1997.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMPONENT
NTRM 1675	02Oct2012	K006545	13.93 %	CARBON DIOXIDE
NTRM 2637	01Aug2013	ALM016597	2505. PPM	CARBON MONOXIDE
NTRM 1685	01Sep2010	KAL003480	247.1 PPM	NITRIC OXIDE
NTRM 0260	02Oct2012	ALM044213	254.4 PPM	SULFUR DIOXIDE

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
FTIR//0928621	04Sep2009	FTIR
VARIAN/3400/10693	24Sep2009	THERMAL CONDUCTIVITY
FTIR//0928621	25Sep2009	FTIR
FTIR//0928621	24Sep2009	FTIR

ANALYZER READINGS

(Z=Zero Gas R=Reference Gas T=Test Gas r=Correlation Coefficient)

First Triad Analysis
CARBON DIOXIDE
Date: 28Sep2009 Response Unit: %
Z1=-0.00249 R1=13.88423 T1=17.49495
R2=13.91592 Z2=0.01589 T2=17.50350
Z3=0.02001 T3=17.53550 R3=13.92637
Avg. Concentration: 17.54 %
CARBON MONOXIDE
Date: 29Sep2009 Response Unit: AREA
Z1=0.00000 R1=972207.0 T1=168945.0

Second Triad Analysis

Date: 06Oct2009 Response Unit: AREA
Z1=0.00000 R1=985129.0 T1=170756.0

Calibration Curve

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99998E-1
Constants: A=0.00000E+0
B=6.24126E-1 C=4.85900E-3
D=0.00000E+0 E=0.00000E+0

Concentration=A+Bx+Cx2+Dx3+Ex4
r=0.999999 2637

Scott Specialty Gases AIR LIQUIDE

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RATA CLASS

Dual-Analyzed Calibration Standard

CERTIFICATE OF ACCURACY: Interference Free™ Multi-Component EPA Protocol Gas

Assay Laboratory
AIR LIQUIDE AMERICA SPECIALTY GASES LLC
1290 COMBERMERE STREET
TROY, MI 48083

P.O. No.: 08-0609
Project No.: 05 -68065 -001

Customer
T.E.S. FILER CITY STATION

700 MEE STREET
PO BOX 12
FILER CITY MI 49634

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: AAL21110
Cylinder Pressure*:** 2000 PSIG

Certification Date: 03Sep2008

Exp. Date: 03Sep2010

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ACCURACY**	TRACEABILITY
CARBON DIOXIDE	11.01 %	+/- 1%	Direct NIST and VSL
CARBON MONOXIDE	277.5 PPM	+/- 1%	Direct NIST and VSL
NITRIC OXIDE	276.8 PPM	+/- 1%	Direct NIST and VSL
SULFUR DIOXIDE *	111.9 PPM	+/- 1%	Direct NIST and VSL
NITROGEN - OXYGEN FREE	BALANCE		
TOTAL OXIDES OF NITROGEN	276.8 PPM		Reference Value Only

*** Do not use when cylinder pressure is below 150 psig.
** Analytical accuracy is based on the requirements of EPA Protocol Procedure G1, September 1997.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMPONENT
NTRM 1800	01Mar2009	K005478	17.87 %	CARBON DIOXIDE
NTRM 2637	01Aug2009	ALM027702	2505. PPM	CARBON MONOXIDE
NTRM 1685	01Sep2010	KAL003525	247.1 PPM	NITRIC OXIDE
NTRM 0260	15Jan2012	KAL003793	255.5 PPM	SULFUR DIOXIDE

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
FTIR//0928621	07Aug2008	FTIR
VARIAN/3400/10693	02Sep2008	THERMAL CONDUCTIVITY
FTIR//0928621	28Aug2008	FTIR
FTIR//0928621	21Aug2008	FTIR

ANALYZER READINGS

(Z=Zero Gas R=Reference Gas T=Test Gas r=Correlation Coefficient)

First Triad Analysis

CARBON DIOXIDE
Date: 27Aug2008 Response Unit: %
Z1=0.00208 R1=17.82040 T1=10.98458
R2=17.82842 Z2=0.00421 T2=10.99783
Z3=0.00645 T3=11.00280 R3=17.85673
Avg. Concentration: 11.01 %

CARBON MONOXIDE
Date: 28Aug2008 Response Unit: AREA
Z1=0.00000 R1=1017641. T1=112952.0

Second Triad Analysis

Date: 04Sep2008 Response Unit: AREA
Z1=0.00000 R1=10201492 T1=112125.0

Calibration Curve

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99995E-1
Constants: A=0.00000E+0
B=9.10916E-1 C=1.17120E-2
D=0.00000E+0 E=0.00000E+0

Concentration=A+Bx+Cx2+Dx3+Ex4
r=0.999997

Consumers Energy

A CMS Energy Company

Environmental & Laboratory Services

July 29, 2010

Mr. Shane Nixon
Department of Environmental Quality
Air Quality Division
120 W. Chapin Street
Cadillac, MI 49601-2158

SUBJECT: SECOND QUARTER 2010 EMISSIONS MONITORING REPORT

Dear Mr. Nixon:

Enclosed is the Second Quarter 2010 emissions monitoring report for Boilers No. 1 and No. 2 at the T.E.S. Filer City Station (Renewable Operating Permit No. ROP MI-ROP-N1685-2008a). The report includes all information required under Federal Standards of Performance for New Stationary Sources (40 CFR 60, Subparts A, Da, and Appendix F).

This quarterly report contains the Excess Emissions Reports (EERs) and Summary Reports for Boilers No. 1 and No. 2. The report also includes the results of linearity tests conducted in accordance with 40 CFR Part 75, Appendices A and B (all outlet CEMS other than CO), and cylinder gas audits (CGAs) conducted in accordance with 40 CFR Part 60, Appendix F (inlet CEMS and outlet CO CEMS). The associated Certificates of Analysis for the calibration gases used in the linearity tests and CGAs are also included within this quarterly report.

No construction/demolition (C/D) materials were fired in Boilers No. 1 and No. 2 during the 2nd quarter of 2010. In accordance with the currently approved C/D Waste Wood Monitoring Plan, the facility has discontinued submitting a summary of C/D waste wood sampling and inspection activities on a quarterly basis. An annual C/D summary report will be included with the quarterly report submitted for the 4th quarter of 2010.

Please contact me at (517) 788-1467 if you have any questions or require further information concerning the contents of this submittal.

Sincerely,

Jason Prentice

Jason Prentice
Environmental Planner
Consumers Energy Company

cc: Todd Guenthardt, TES Filer City Station
Jon Wilford, MDNRE-AQD
Filer City Compliance File-Q, SA, A File

TESFiler0001371

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

RENEWABLE OPERATING PERMIT REPORT CERTIFICATION

Authorized by 1994 P.A. 451, as amended. Failure to provide this information may result in civil and/or criminal penalties.

Reports submitted pursuant to R 336.1213 (Rule 213), subrules (3)(c) and/or (4)(c), of Michigan's Renewable Operating Permit (ROP) program must be certified by a responsible official. Additional information regarding the reports and documentation listed below must be kept on file for at least 5 years, as specified in Rule 213(3)(b)(ii), and be made available to the Department of Environmental Quality, Air Quality Division upon request.

Source Name T.E.S. Filer City Station County Manistee

Source Address P.O. Box 12 / 700 Mee Street City Filer City

AQD Source ID (SRN) N1685 ROP No. MI-ROP-N1685-2008a ROP Section No. N/A

Please check the appropriate box(es):

☐ **Annual Compliance Certification (Pursuant to Rule 213(4)(c))**

Reporting period (provide inclusive dates): From _____ To _____

☐ 1. During the entire reporting period, this source was in compliance with **ALL** terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference. The method(s) used to determine compliance is/are the method(s) specified in the ROP.

☐ 2. During the entire reporting period this source was in compliance with all terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference, **EXCEPT** for the deviations identified on the enclosed deviation report(s). The method used to determine compliance for each term and condition is the method specified in the ROP, unless otherwise indicated and described on the enclosed deviation report(s).

☐ **Semi-Annual (or More Frequent) Report Certification (Pursuant to Rule 213(3)(c))**

Reporting period (provide inclusive dates): From _____ To _____

☐ 1. During the entire reporting period, **ALL** monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred.

☐ 2. During the entire reporting period, all monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred, **EXCEPT** for the deviations identified on the enclosed deviation report(s).

☒ **Other Report Certification**

Reporting period (provide inclusive dates): From 04/01/2010 To 06/30/2010

Additional monitoring reports or other applicable documents required by the ROP are attached as described:

Boilers 1 and 2 Quarterly Report for the 2nd Quarter of 2010 (April – June).

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this report and the supporting enclosures are true, accurate and complete

Roger R. Burger	General Manager	231-723-6573
Name of Responsible Official (print or type)	Title	Phone Number

Signature of Responsible Official — Date: 7-24-10

* Photocopy this form as needed.

T.E.S. FILER CITY STATION

CONTINUOUS EMISSION MONITORING QUARTERLY REPORT

SUBPART Da
(NSPS SOURCES)

Year 2010
Report Period Ending: **March 31** ___ **June 30** X **Sept. 30** ___ **Dec. 31** ___

I. GENERAL INFORMATION

1. Source: T.E.S. FILER CITY STATION

2. Address: 700 MEE STREET
   FILER CITY, MICHIGAN 49634

3. Plant Phone Number: (231) 723-6573

4. Affected Facility: BOILER #1 X BOILER #2 X

5. Control Device(s): GEESI/DRY FLUE GAS DESULFERIZATION SYSTEM
   GEESI/FABRIC FILTER BAGHOUSES

6. Fuel Type: Coal/Wood/TDF/Petroleum Coke/Construction & Demolition (C/D) Waste
   (NOTE: Although allowed by permit, C/D wastes were not fired during the quarter)

7. Person Completing Report

(Print) Jason M. Prentice

(Signature) Jason M. Prentice

(Date) 7-29-10

This is to certify that, to the best of my knowledge, the information provided on these forms is correct and accurate.

8. Person Responsible For Review and Integrity of Report:

(Print) Roger R. Burger

(Signature) [signature]

(Date) 7-24-10

CEM\2nd QTR10
File: 001-008-020-1-5

T.E.S. FILER CITY STATION

II. CONTINUOUS MONITOR OPERATIONAL DATA

	# 1 OPACITY	# 2 OPACITY	INLET #1 SO2	INLET #2 SO2	STACK #1 SO2	STACK #2 SO2	STACK #1 NOx	STACK #2 NOx	INLET # 1 CO2	INLET # 2 CO2	STACK # 1 CO2	STACK # 2 CO2
1. MFG:	Durag, Inc.	Durag, Inc.	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]
2. MODEL NO:	D-R 290	D-R 290	43i	43i	43i	43i	42i	42i	410i	410i	410i	410i
3. SERIAL NO:	425692	425693	0622717879	0622717883	0622717877	0622717880	0623017966	0623017967	0622717873	0622717875	0622717869	0622717874
4. Basis for Gas Measurement (wet or dry)	N / A	N / A	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET
5. F-Factor Used	N / A	N / A	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	N / A	N / A	N / A	N / A

[1] T. E. I. standards for Thermo Environmental Instruments, Inc.

6. F-Factor Method: Fuel Analyses and Method 19, Equation 19-15 and/or Method 19, Table 19-2. Please note that the fuel factors are unit specific and are based upon the relative amounts (on a heat input basis) of coal, wood, petroleum coke and tire-derived-fuel (TDF) that are fired within a given time period.

7. Ave. Time	6 Minute	6 Minute	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour
8. Zero/Span Values												
ZERO	0 %	0 %	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 %	0 %	0 %	0 %
SPAN	45 %	45 %	2,000 PPM	2,000 PPM	H: 1,500 PPM [1] L: 200 PPM [1]	H: 1,500 PPM [1] L: 200 PPM [1]	500 PPM	500 PPM	20.0 %	20.0 %	20.0 %	20.0 %

[1] The span values for the SO_2 Stack CEMS were revised from 2,000 ppm for the high span and 500 ppm for the low span just prior to the September 2008 Part 75 certification tests. The revised high and low span values were determined in accordance with sections 2.1.1.3 and 2.1.1.4 of Appendix A to 40 CFR Part 75.

T.E.S. FILER CITY STATION

II. CONTINUOUS MONITOR OPERATIONAL DATA

	Monitoring System	RATA	7-Day Calibration Drift Test	Cycle-time Test	COMS Field Audit Test	COMS 168-hr Operational Test
9. Date of Last Performance Specification Test Passed	Boiler 1 Gas CEMS	09/15/2009	10/31/2006 (Stk SO_2 = 09/25/08)	10/18/2006 (Stk SO_2 = 10/03/08)	N/A	N/A
	Boiler 1 COMS	N/A	N/A	N/A	09/15/2009	10/26/2006
	Boiler 2 Gas CEMS	09/16/2009	10/31/2006 (Stk SO_2 = 09/25/08)	10/23/2006 (Stk SO_2 = 10/03/08)	N/A	N/A
	Boiler 2 COMS	N/A	N/A	N/A	09/15/2009	11/01/2006

	# 1 OPACITY	# 2 OPACITY	INLET #1 SO2	INLET #2 SO2	STACK #1 SO2	STACK #2 SO2	STACK #1 NOx	STACK #2 NOx	INLET # 1 CO2	INLET # 2 CO2	STACK # 1 CO2	STACK # 2 CO2
10. Modification Since Last PST Date (10-06; 9-08)	NONE	NONE	NONE	NONE	NONE (Changed high & low span values)	NONE (Changed high & low span values)	NONE	NONE	NONE	NONE	NONE	NONE
11. Emission Limits (Averaging Period)	10 % (6-Min)	10 % (6-Min)	N / A	N / A	0.7 lb/mm Btu (24-Hr) 0.5 lb/mm Btu (30-Day)	0.7 lb/mm Btu (24-Hr) 0.5 lb/mm Btu (30-Day)	0.6 lb/mm Btu (30-Day)	0.6 lb/mm Btu (30-Day)	N / A	N / A	N / A	N / A

T.E.S. FILER CITY STATION

III. MONITORING AND COMPLIANCE SUMMARY (per 40 CFR 60.51a(h))

	YES	NO	REF.
1. Were the required continuous monitoring systems calibrated, span, and drift checks or other periodic audits performed as specified?	X		
2. Were the data used to show compliance obtained in accordance with approved methods and procedures of Subpart Da?	X		
3. Are the data representative of plant performance?	X		
4. Were the minimum data requirements met? If no, were they not met due to unavoidable errors?	X		
5. Was compliance with the standards achieved during the reporting period?		X	
Boiler #1			
SO_2 Stack Limit 0.7 lb/MMBTU 24 Hour		X	
SO_2 Stack Limit 0.5 lb/MMBTU 30 Day	X		
SO_2 90% Reduction 30 Day	X		
NO_x Stack Limit 0.6 lb/MMBTU 30 Day	X		
Opacity Limit >10% 6 Minute Average		X	
Boiler #2			
SO_2 Stack Limit 0.7 lb/MMBTU 24 Hour		X	
SO_2 Stack Limit 0.5 lb/MMBTU 30 Day	X		
SO_2 90% Reduction 30 Day	X		
NO_x Stack Limit 0.6 lb/MMBTU 30 Day	X		
Opacity Limit >10% 6 Minute Average		X	

T.E.S. FILER CITY STATION

V. EXCESS EMISSION REPORT - SO_2 AND NO_x

SO_2 EVENTS (30 Day Rolling Average Limit of 0.5 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

SO_2 EVENTS (24 Hour Average Limit of 0.7 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
04/12/2010 (Hrs 00-03)	1	1.3	Shutdown for a routine maintenance outage; SO_2 dry scrubber had to be removed from service when the flue gas temperature fell below the minimum required temperature.	During the boiler shutdown process, the dry scrubber was removed from service consistent with the approved Maintenance Management Plan, which incorporates the scrubber manufacturer recommendations.
04/20/2010 (Hrs 12-23)	1	2.6	Boiler startup following shutdown for the scheduled spring 2010 routine maintenance outage; SO_2 dry scrubber had to be bypassed to pre-warm the baghouse & maintain the required minimum inlet temperature.	Followed the Maintenance Management Plan (MMP); boiler & baghouse were brought up to full operating temp. as quickly as possible; scrubber was placed into service per manufacturer recommendations.
04/21/2010 (Hrs 00-04)	1	2.7	During startup on 04/20/2010, Boiler 1 overheated (due to a damper malfunction), which led to a grate failure and boiler shutdown. The SO_2 dry scrubber had to be removed from service when the flue gas temperature fell below the minimum required temperature.	During the boiler shutdown process, the dry scrubber was removed from service consistent with the approved Maintenance Management Plan, which incorporates the scrubber manufacturer recommendations. Note: The SO_2 emission rate after application of a diluent cap was 0.72 lb/mmBtu (which is not greater than the limit of 0.7 lb/mmBtu).

T.E.S. FILER CITY STATION

SO_2 EVENTS (24 Hour Average Limit of 0.7 lb/MMBTU, Continued)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
04/12/2010 (Hrs 01-23)	2	1.7	Boiler startup following shutdown for the scheduled spring 2010 routine maintenance outage; SO_2 dry scrubber had to be bypassed to pre-warm the baghouse & maintain the required minimum inlet temperature.	Followed the Maintenance Management Plan (MMP); boiler & baghouse were brought up to full operating temp. as quickly as possible; scrubber was placed into service per manufacturer recommendations.

SO_2 EVENTS (30 Day Rolling Average Limit of SO_2 Percent Reduction: Limit=90%)

Date(s) Occurred	Boiler No.	Value (% removal)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

NO_x EVENTS (30 Day Rolling Average Limit of 0.60 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

OPACITY EVENTS (Excess Emission Notification >10%, 6-Min. Average, for ≥ 2 Hours)

Date(s) Occurred	Boiler No.	Value (% opacity)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

NOTE: All six minute periods during which the average opacity exceeds 10% are identified in the attached monthly "Excess Emissions Report" for Boiler #1 and Boiler #2.

T.E.S. FILER CITY STATION

VI. QUALITY ASSURANCE DATA

1a. OUT-OF-CONTROL ASSESSMENT INFORMATION

BOILER # 1

INLET CO2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717873	None	N / A	N / A

STACK CO2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717869	None	N / A	N / A

INLET SO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717879	None	N / A	N / A

STACK SO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717877	04/20/2010, Hr 12	Excess analyzer drift resulted in an out-of-control (OOC) period.	Calibrated the analyzer and ran a passing calibration error test.

T.E.S. FILER CITY STATION

STACK NO_X METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 42i – 0623017966	None	N / A	N / A

OPACITY METER

Meter	Date(s) Occurred	Description	Corrective Action
D-R 290 – 425692	None	N / A	N / A

T.E.S. FILER CITY STATION

2a. Other operating days for which data has not been obtained (18 hrs) or excluded from calculation of average emission rates:

Boiler #1

Date(s) Occurred	Description	Corrective Action
None	N / A	N / A

3a. OUT-OF-CONTROL ASSESSMENT INFORMATION

Any Boiler 1 CEMS and COMS out-of-control (OOC) periods are generally associated with equipment replacements or excessive calibration drift (CD) error, and they are summarized in Section VI.1a of this report. During this quarter, there were no OOC periods associated with Relative Accuracy Test Audits (RATAs) or Cylinder Gas Audits (CGAs). However, there was one stack SO_2 OOC period associated with excessive analyzer drift. A description of the cause of this OOC period is contained in Section VI.1a of this report.

When applicable, the duration of each OOC period is summarized in the quarterly report document titled "Downtime Report". The information provided in Section VI.1a of this report provides a summary of the OOC period corrective actions. When required, the corrective actions result in the CDs (or relative accuracies) being within the allowed limits.

T.E.S. FILER CITY STATION

1b. OUT-OF-CONTROL ASSESSMENT INFORMATION

BOILER # 2

INLET CO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717875	None	N / A	N / A

STACK CO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717874	None	N / A	N / A

INLET SO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717883	None	N / A	N / A

STACK SO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717880	04/20/2010, Hrs 14 and 15 (2 hours)	Excess analyzer drift resulted in an out-of-control (OOC) period.	Calibrated the analyzer and ran a passing calibration error test.
TEI 43i – 0622717880	04/21/2010, Hr 01	Excess analyzer drift resulted in an out-of-control (OOC) period.	Calibrated the analyzer and ran a passing calibration error test.

T.E.S. FILER CITY STATION

STACK NO_X METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 42i – 0623017967	None	N / A	N / A

OPACITY METER

Meter	Date(s) Occurred	Description	Corrective Action
D-R 290 – 425693	None	N / A	N / A

2b. Other operating days for which data has not been obtained (18 hrs) or excluded from calculation of average emission rates:

Boiler #2

Date(s) Occurred	Description	Corrective Action
None	N / A	N / A

3b. OUT-OF-CONTROL ASSESSMENT INFORMATION

Any Boiler 2 CEMS and COMS out-of-control (OOC) periods are generally associated with equipment replacements or excessive calibration drift (CD) error, and they are summarized in Section VI.1b of this report. During this quarter, there were no OOC periods associated with Relative Accuracy Test Audits (RATAs) or Cylinder Gas Audits (CGAs). However, there were two SO_2 OOC periods associated with excessive calibration error drift. Descriptions of the causes of these OOC periods are contained in Section VI.1b of this report.

When applicable, the duration of each OOC period is summarized in the quarterly report document titled "Downtime Report". The information provided in Section VI.1b of this report provides a summary of the OOC period corrective actions. When required, the corrective actions result in the CDs (or relative accuracies) being within the allowed limits.

T.E.S. FILER CITY STATION

4. Full Scale Exceedance: Identification of times when pollutant concentration exceeds full span of the continuous monitoring system.

Date(s) Occurred	Boiler No.	Description	Corrective Action
None	1	N / A	N / A
None	2	N / A	N / A

TES FILER CITY STATION
AIR EMISSION SUMMARY

APRIL 2010

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			SULFUR DIOXIDE <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			SULFUR DIOXIDE >90% SO2 REDUCTION LIMIT 30 DAY AVE			NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	25236 /	25260	99.90%	375.0 /	396.0	94.70%	396.0 /	396.0	100.00%	396.0 /	396.0	100.00%	396.0 /	396.0	100.00%
YTD			99.96%			99.18%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	29820 /	29886	99.78%	444.0 /	467.0	95.07%	467.0 /	467.0	100.00%	467.0 /	467.0	100.00%	467.0 /	467.0	100.00%
YTD			99.89%			98.85%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH
24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING
ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

TES FILER CITY STATION
AIR EMISSION SUMMARY

MAY 2010

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			SULFUR DIOXIDE <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			SULFUR DIOXIDE >90% SO2 REDUCTION LIMIT 30 DAY AVE			NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	44640 /	44640	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
YTD			99.97%			99.36%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	44622 /	44640	99.96%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
YTD			99.90%			99.10%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH
24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING
ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

TES FILER CITY STATION
AIR EMISSION SUMMARY

JUNE 2010

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			SULFUR DIOXIDE <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			SULFUR DIOXIDE >90% SO2 REDUCTION LIMIT 30 DAY AVE			NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	43170 /	43176	99.99%	718.0 /	718.0	100.00%	718.0 /	718.0	100.00%	718.0 /	718.0	100.00%	718.0 /	718.0	100.00%
YTD			99.97%			99.48%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	43182 /	43200	99.96%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%
YTD			99.91%			99.26%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH
24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING
ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

TES FILER CITY STATION
AIR EMISSION SUMMARY

2nd QUARTER 2010

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			SULFUR DIOXIDE <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			SULFUR DIOXIDE >90% SO2 REDUCTION LIMIT 30 DAY AVE			NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
APR	25236 /	25260	99.90%	375.0 /	396.0	94.70%	396.0 /	396.0	100.00%	396.0 /	396.0	100.00%	396.0 /	396.0	100.00%
MAY	44640 /	44640	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
JUN	43170 /	43176	99.99%	718.0 /	718.0	100.00%	718.0 /	718.0	100.00%	718.0 /	718.0	100.00%	718.0 /	718.0	100.00%
2nd Quarter	113046 /	113076	99.97%	1,837.0 /	1,858.0	98.87%	1,858.0 /	1,858.0	100.00%	1,858.0 /	1,858.0	100.00%	1,858.0 /	1,858.0	100.00%
YTD			99.97%			99.48%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
APR	29820 /	29886	99.78%	444.0 /	467.0	95.07%	467.0 /	467.0	100.00%	467.0 /	467.0	100.00%	467.0 /	467.0	100.00%
MAY	44622 /	44640	99.96%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
JUN	43182 /	43200	99.96%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%
2nd Quarter	117624 /	117726	99.91%	1,908.0 /	1,931.0	98.81%	1,931.0 /	1,931.0	100.00%	1,931.0 /	1,931.0	100.00%	1,931.0 /	1,931.0	100.00%
YTD			99.91%			99.26%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH
24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING
ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

CEMS Daily Averages - 04/01/10 To 06/30/10

Facility Name: T.E.S. Filer City Station Location: Filer City, MI Source: Boiler 1

Period: 04/01/10 00:00:00 To 06/30/10 23:59:59; Records = 91

	Operating Hours	NOx		SO2		SO2		SO2		Blr 1&2	
	CEMS	30-Day		24-Hr		30-Day		30-Day		SO2	
Date		lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	Tons	Vld
04/01/10	24	0.453	30	0.181	24	0.197	30	92.11	30	1.64	24
04/02/10	24	0.450	30	0.197	24	0.199	30	92.05	30	1.76	24
04/03/10	24	0.448	30	0.189	24	0.199	30	92.03	30	1.85	24
04/04/10	24	0.447	30	0.213	24	0.200	30	92.01	30	2.00	24
04/05/10	24	0.446	30	0.208	24	0.201	30	92.01	30	1.92	24
04/06/10	24	0.444	30	0.195	24	0.201	30	92.05	30	1.96	24
04/07/10	24	0.443	30	0.175	24	0.200	30	92.10	30	1.79	24
04/08/10	24	0.442	30	0.193	24	0.198	30	92.18	30	1.83	24
04/09/10	24	0.441	30	0.187	24	0.197	30	92.25	30	1.84	24
04/10/10	24	0.441	30	0.231	24	0.198	30	92.24	30	2.34	24
04/11/10	24	0.442	30	0.405	24	0.205	30	91.98	30	2.09	24
04/12/10	4	0.442	30	1.343	04	0.205	30	91.98	30	0.28	04
04/13/10	0	0.442	30	0.000	00	0.205	30	91.98	30	0.00	00
04/14/10	0	0.442	30	0.000	00	0.205	30	91.98	30	0.00	00
04/15/10	0	0.442	30	0.000	00	0.205	30	91.98	30	0.00	00
04/16/10	0	0.442	30	0.000	00	0.205	30	91.98	30	0.00	00
04/17/10	0	0.442	30	0.000	00	0.205	30	91.98	30	0.00	00
04/18/10	0	0.442	30	0.000	00	0.205	30	91.98	30	0.00	00
04/19/10	0	0.442	30	0.000	00	0.205	30	91.98	30	0.00	00
04/20/10	12	0.442	30	2.588	10	0.205	30	91.98	30	0.79	08
04/21/10	5	0.442	30	2.711	05	0.205	30	91.98	30	4.21	22
04/22/10	0	0.442	30	0.000	00	0.205	30	91.98	30	3.09	24
04/23/10	0	0.442	30	0.000	00	0.205	30	91.98	30	1.10	24
04/24/10	0	0.442	30	0.000	00	0.205	30	91.98	30	1.19	24
04/25/10	0	0.442	30	0.000	00	0.205	30	91.98	30	0.56	24
04/26/10	15	0.442	30	0.288	14	0.205	30	91.98	30	0.73	23
04/27/10	24	0.445	30	0.261	24	0.207	30	91.96	30	2.28	24
04/28/10	24	0.448	30	0.135	24	0.204	30	92.06	30	0.75	24
04/29/10	24	0.449	30	0.201	24	0.203	30	92.11	30	0.99	23
04/30/10	24	0.449	30	0.159	24	0.201	30	92.18	30	1.35	24
05/01/10	24	0.449	30	0.198	24	0.202	30	92.16	30	2.19	24
05/02/10	24	0.450	30	0.191	24	0.202	30	92.16	30	1.80	24
05/03/10	24	0.452	30	0.211	24	0.202	30	92.14	30	1.96	24
05/04/10	24	0.452	30	0.196	24	0.201	30	92.15	30	1.88	24
05/05/10	24	0.452	30	0.191	24	0.200	30	92.18	30	1.85	24
05/06/10	24	0.452	30	0.224	24	0.201	30	92.16	30	2.18	24

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	Blr 1&2 SO2 Tons	Vld
05/07/10	24	0.453	30	0.173	24	0.200	30	92.15	30	1.75	24
05/08/10	24	0.455	30	0.197	24	0.202	30	92.09	30	2.02	24
05/09/10	24	0.456	30	0.201	24	0.203	30	92.01	30	1.83	24
05/10/10	24	0.457	30	0.165	24	0.200	30	92.09	30	1.71	24
05/11/10	24	0.458	30	0.173	24	0.199	30	92.09	30	1.85	24
05/12/10	24	0.459	30	0.143	24	0.199	30	92.09	30	1.60	24
05/13/10	24	0.460	30	0.160	24	0.197	30	92.15	30	1.79	24
05/14/10	24	0.462	30	0.196	24	0.197	30	92.15	30	2.00	24
05/15/10	24	0.465	30	0.165	24	0.197	30	92.13	30	1.68	24
05/16/10	24	0.467	30	0.193	24	0.198	30	92.10	30	1.94	24
05/17/10	24	0.470	30	0.200	24	0.198	30	92.10	30	1.96	24
05/18/10	24	0.472	30	0.221	24	0.199	30	92.05	30	2.19	24
05/19/10	24	0.472	30	0.146	24	0.196	30	92.13	30	1.32	24
05/20/10	24	0.473	30	0.189	24	0.196	30	92.15	30	1.56	24
05/21/10	24	0.475	30	0.159	24	0.195	30	92.18	30	1.55	24
05/22/10	24	0.476	30	0.186	24	0.195	30	92.17	30	1.83	24
05/23/10	24	0.476	30	0.121	24	0.193	30	92.27	30	1.31	24
05/24/10	24	0.476	30	0.177	24	0.192	30	92.27	30	1.72	24
05/25/10	24	0.477	30	0.205	24	0.191	30	92.30	30	2.10	24
05/26/10	24	0.478	30	0.228	24	0.185	30	92.51	30	1.99	24
05/27/10	24	0.476	30	0.223	24	0.184	30	92.54	30	2.03	24
05/28/10	24	0.475	30	0.225	24	0.187	30	92.42	30	2.05	24
05/29/10	24	0.475	30	0.203	24	0.187	30	92.42	30	1.96	24
05/30/10	24	0.476	30	0.194	24	0.188	30	92.38	30	1.63	24
05/31/10	24	0.476	30	0.230	24	0.189	30	92.35	30	1.91	24
06/01/10	24	0.476	30	0.193	24	0.190	30	92.35	30	2.07	24
06/02/10	24	0.474	30	0.203	24	0.189	30	92.38	30	2.13	24
06/03/10	24	0.473	30	0.201	24	0.189	30	92.39	30	1.99	24
06/04/10	24	0.473	30	0.171	24	0.189	30	92.42	30	1.78	24
06/05/10	24	0.473	30	0.204	24	0.188	30	92.45	30	2.03	24
06/06/10	24	0.473	30	0.216	24	0.190	30	92.41	30	2.04	24
06/07/10	24	0.473	30	0.246	24	0.191	30	92.37	30	2.30	24
06/08/10	24	0.473	30	0.233	24	0.192	30	92.34	30	2.19	24
06/09/10	24	0.472	30	0.196	24	0.193	30	92.32	30	1.87	24
06/10/10	24	0.471	30	0.167	24	0.193	30	92.35	30	1.84	24
06/11/10	24	0.472	30	0.152	24	0.193	30	92.35	30	1.79	24
06/12/10	24	0.474	30	0.224	24	0.196	30	92.28	30	1.93	24
06/13/10	24	0.475	30	0.183	24	0.195	30	92.31	30	1.62	24
06/14/10	24	0.474	30	0.200	24	0.196	30	92.27	30	1.83	24
06/15/10	24	0.473	30	0.183	24	0.196	30	92.29	30	1.91	24

	Operating Hours	NOx		SO2		SO2		SO2		Blr 1&2	
	CEMS	30-Day		24-Hr		30-Day		30-Day		SO2	
Date		lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	Tons	Vld
06/16/10	24	0.472	30	0.145	24	0.194	30	92.36	30	1.35	24
06/17/10	24	0.470	30	0.118	24	0.191	30	92.50	30	1.23	24
06/18/10	24	0.468	30	0.169	24	0.191	30	92.45	30	1.90	24
06/19/10	23	0.468	30	0.152	23	0.191	30	92.45	30	1.43	24
06/20/10	23	0.468	30	0.172	22	0.191	30	92.45	30	1.22	23
06/21/10	24	0.467	30	0.164	24	0.191	30	92.49	30	1.64	24
06/22/10	24	0.466	30	0.164	24	0.191	30	92.50	30	1.80	24
06/23/10	24	0.465	30	0.157	24	0.190	30	92.54	30	1.55	24
06/24/10	24	0.465	30	0.193	24	0.192	30	92.44	30	1.90	24
06/25/10	24	0.466	30	0.192	24	0.193	30	92.41	30	1.85	24
06/26/10	24	0.466	30	0.197	24	0.192	30	92.44	30	1.88	24
06/27/10	24	0.465	30	0.212	24	0.192	30	92.48	30	1.99	24
06/28/10	24	0.464	30	0.211	24	0.191	30	92.50	30	2.18	24
06/29/10	24	0.463	30	0.211	24	0.191	30	92.53	30	2.05	24
06/30/10	24	0.462	30	0.214	24	0.191	30	92.54	30	1.82	24

CEMS Daily Averages - 04/01/10 To 06/30/10

Facility Name: T.E.S. Filer City Station Location: Filer City, MI Source: Boiler 2

Period: 04/01/10 00:00:00 To 06/30/10 23:59:59; Records = 91

	Operating Hours	NOx		SO2		SO2		SO2		
	CEMS	30-Day		24-Hr		30-Day		30-Day		
Date		lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	
04/01/10	24	0.390	30	0.162	24	0.201	30	92.14	30	0.00
04/02/10	24	0.388	30	0.176	24	0.201	30	92.15	30	0.00
04/03/10	24	0.389	30	0.200	24	0.201	30	92.18	30	0.00
04/04/10	24	0.389	30	0.206	24	0.202	30	92.19	30	0.00
04/05/10	24	0.390	30	0.193	24	0.201	30	92.24	30	0.00
04/06/10	24	0.390	30	0.218	24	0.202	30	92.23	30	0.00
04/07/10	24	0.390	30	0.199	24	0.201	30	92.30	30	0.00
04/08/10	24	0.390	30	0.197	24	0.202	30	92.25	30	0.00
04/09/10	24	0.389	30	0.196	24	0.197	30	92.46	30	0.00
04/10/10	24	0.389	30	0.247	24	0.198	30	92.44	30	0.00
04/11/10	22	0.389	30	0.263	22	0.198	30	92.44	30	0.00
04/12/10	0	0.389	30	0.000	00	0.198	30	92.44	30	0.00
04/13/10	0	0.389	30	0.000	00	0.198	30	92.44	30	0.00
04/14/10	0	0.389	30	0.000	00	0.198	30	92.44	30	0.00
04/15/10	0	0.389	30	0.000	00	0.198	30	92.44	30	0.00
04/16/10	0	0.389	30	0.000	00	0.198	30	92.44	30	0.00
04/17/10	0	0.389	30	0.000	00	0.198	30	92.44	30	0.00
04/18/10	0	0.389	30	0.000	00	0.198	30	92.44	30	0.00
04/19/10	0	0.389	30	0.000	00	0.198	30	92.44	30	0.00
04/20/10	2	0.389	30	0.000	00	0.198	30	92.44	30	0.00
04/21/10	23	0.389	30	1.681	21	0.198	30	92.44	30	0.00
04/22/10	24	0.391	30	0.611	24	0.211	30	91.97	30	0.00
04/23/10	24	0.393	30	0.214	24	0.211	30	91.98	30	0.00
04/24/10	24	0.394	30	0.236	24	0.211	30	91.95	30	0.00
04/25/10	24	0.395	30	0.114	24	0.208	30	92.09	30	0.00
04/26/10	24	0.397	30	0.120	24	0.205	30	92.22	30	0.00
04/27/10	24	0.399	30	0.213	24	0.205	30	92.25	30	0.00
04/28/10	10	0.399	30	0.076	10	0.205	30	92.25	30	0.00
04/29/10	6	0.399	30	0.627	05	0.205	30	92.25	30	0.00
04/30/10	20	0.399	30	0.444	20	0.205	30	92.25	30	0.00
05/01/10	24	0.398	30	0.265	24	0.206	30	92.19	30	0.00
05/02/10	24	0.398	30	0.182	24	0.206	30	92.23	30	0.00
05/03/10	24	0.399	30	0.197	24	0.206	30	92.21	30	0.00
05/04/10	24	0.399	30	0.189	24	0.205	30	92.23	30	0.00
05/05/10	24	0.400	30	0.198	24	0.207	30	92.17	30	0.00
05/06/10	24	0.402	30	0.232	24	0.209	30	92.08	30	0.00

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	
05/07/10	24	0.403	30	0.189	24	0.211	30	92.01	30	0.00
05/08/10	24	0.402	30	0.220	24	0.211	30	92.01	30	0.00
05/09/10	24	0.401	30	0.172	24	0.209	30	92.04	30	0.00
05/10/10	24	0.401	30	0.179	24	0.208	30	92.07	30	0.00
05/11/10	24	0.401	30	0.203	24	0.209	30	92.02	30	0.00
05/12/10	24	0.401	30	0.182	24	0.209	30	92.00	30	0.00
05/13/10	24	0.401	30	0.210	24	0.209	30	91.99	30	0.00
05/14/10	24	0.401	30	0.217	24	0.211	30	91.91	30	0.00
05/15/10	24	0.402	30	0.180	24	0.212	30	91.88	30	0.00
05/16/10	24	0.405	30	0.206	24	0.213	30	91.82	30	0.00
05/17/10	24	0.406	30	0.207	24	0.213	30	91.81	30	0.00
05/18/10	24	0.407	30	0.234	24	0.214	30	91.76	30	0.00
05/19/10	24	0.408	30	0.129	24	0.212	30	91.83	30	0.00
05/20/10	24	0.409	30	0.133	24	0.209	30	91.93	30	0.00
05/21/10	24	0.409	30	0.161	24	0.208	30	91.97	30	0.00
05/22/10	24	0.409	30	0.193	24	0.208	30	91.98	30	0.00
05/23/10	24	0.410	30	0.150	24	0.206	30	92.03	30	0.00
05/24/10	24	0.412	30	0.178	24	0.204	30	92.11	30	0.00
05/25/10	24	0.411	30	0.226	24	0.191	30	92.60	30	0.00
05/26/10	24	0.411	30	0.182	24	0.190	30	92.65	30	0.00
05/27/10	24	0.410	30	0.198	24	0.189	30	92.71	30	0.00
05/28/10	24	0.410	30	0.198	24	0.191	30	92.59	30	0.00
05/29/10	24	0.409	30	0.204	24	0.194	30	92.47	30	0.00
05/30/10	24	0.409	30	0.187	24	0.193	30	92.49	30	0.00
05/31/10	24	0.410	30	0.166	24	0.190	30	92.61	30	0.00
06/01/10	24	0.412	30	0.235	24	0.192	30	92.56	30	0.00
06/02/10	24	0.411	30	0.241	24	0.193	30	92.51	30	0.00
06/03/10	24	0.410	30	0.215	24	0.194	30	92.48	30	0.00
06/04/10	24	0.409	30	0.200	24	0.194	30	92.48	30	0.00
06/05/10	24	0.407	30	0.220	24	0.194	30	92.50	30	0.00
06/06/10	24	0.406	30	0.208	24	0.194	30	92.49	30	0.00
06/07/10	24	0.408	30	0.230	24	0.195	30	92.49	30	0.00
06/08/10	24	0.409	30	0.237	24	0.197	30	92.42	30	0.00
06/09/10	24	0.410	30	0.198	24	0.198	30	92.41	30	0.00
06/10/10	24	0.411	30	0.214	24	0.198	30	92.41	30	0.00
06/11/10	24	0.412	30	0.212	24	0.199	30	92.38	30	0.00
06/12/10	24	0.412	30	0.173	24	0.198	30	92.44	30	0.00
06/13/10	24	0.411	30	0.150	24	0.195	30	92.53	30	0.00
06/14/10	24	0.411	30	0.178	24	0.195	30	92.55	30	0.00
06/15/10	24	0.410	30	0.207	24	0.195	30	92.56	30	0.00

	Operating Hours	NOx		SO2		SO2		SO2		
	CEMS	30-Day		24-Hr		30-Day		30-Day		
Date		lb/mmBt	Vld	lb/mmBt	Vld	lb/mmBt	Vld	% Red.	Vld	
06/16/10	24	0.408	30	0.132	24	0.193	30	92.65	30	0.00
06/17/10	24	0.406	30	0.132	24	0.190	30	92.78	30	0.00
06/18/10	24	0.405	30	0.220	24	0.193	30	92.64	30	0.00
06/19/10	24	0.404	30	0.153	24	0.193	30	92.61	30	0.00
06/20/10	24	0.404	30	0.132	24	0.192	30	92.65	30	0.00
06/21/10	24	0.404	30	0.170	24	0.192	30	92.68	30	0.00
06/22/10	24	0.403	30	0.206	24	0.193	30	92.60	30	0.00
06/23/10	24	0.402	30	0.163	24	0.193	30	92.60	30	0.00
06/24/10	24	0.401	30	0.197	24	0.192	30	92.62	30	0.00
06/25/10	24	0.400	30	0.191	24	0.192	30	92.60	30	0.00
06/26/10	24	0.400	30	0.196	24	0.192	30	92.60	30	0.00
06/27/10	24	0.399	30	0.204	24	0.192	30	92.59	30	0.00
06/28/10	24	0.399	30	0.239	24	0.194	30	92.54	30	0.00
06/29/10	24	0.398	30	0.206	24	0.194	30	92.52	30	0.00
06/30/10	24	0.397	30	0.160	24	0.194	30	92.52	30	0.00

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 Opacity

Emission Limitation: 10

Reporting Period Dates: From 4/01/2010 To 6/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/15/08

Total Source Operating Time in Reporting Period: 18846 periods

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	2	0.01
2. Non-Monitor CEMS Equipment Malfunction	7	0.04
3. Calibration/QA	2	0.01
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	11	0.06

Durations in 6-minute periods

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	5	0.03
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	5	0.03

Durations in 6-minute periods

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	7-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 NOx lb/mmBtu 30-Day

Emission Limitation: 0.60

Reporting Period Dates: From 4/01/2010 To 6/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 1858 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	2	0.11
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	2	0.11

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	7-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO2 lb/mmBtu 24-Hr

Emission Limitation: 0.7

Reporting Period Dates: From 4/01/2010 To 6/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 05/14/10

Total Source Operating Time in Reporting Period: 1858 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	1	0.05
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	1	0.05

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	21	1.13
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	21	1.13

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	7-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO2 lb/mmBtu 30-Day

Emission Limitation: 0.5

Reporting Period Dates: From 4/01/2010 To 6/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 05/14/10

Total Source Operating Time in Reporting Period: 1858 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	1	0.05
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	1	0.05

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	7-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO2 Reduction 30-Day

Emission Limitation: 90

Reporting Period Dates: From 4/01/2010 To 6/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 05/14/10

Total Source Operating Time in Reporting Period: 1858 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	1	0.05
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	2	0.11

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	7-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 CO lb/mmBtu 8-Hr

Emission Limitation: 0.3

Reporting Period Dates: From 4/01/2010 To 6/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 1858 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	8	0.43
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	8	0.43

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	36	1.94
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	36	1.94

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	7-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 CO lb/hr 8-Hr

Emission Limitation: 115.2

Reporting Period Dates: From 4/01/2010 To 6/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 1858 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	8	0.43
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	8	0.43

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	36	1.94
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	36	1.94

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	7-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boilers Total SO2 Tons

Emission Limitation: 6.45

Reporting Period Dates: From 4/01/2010 To 6/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boilers

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 1984 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	1	0.05
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	3	0.15
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	4	0.20

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	7-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 Opacity

Emission Limitation: 10

Reporting Period Dates: From 4/01/2010 To 6/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/15/08

Total Source Operating Time in Reporting Period: 19621 periods

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	24	0.12
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	24	0.12

Durations in 6-minute periods

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	5	0.03
2. Control Equip Problems	9	0.05
3. Process Problems	3	0.02
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	17	0.09

Durations in 6-minute periods

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	7-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 NOx lb/mmBtu 30-Day

Emission Limitation: 0.60

Reporting Period Dates: From 4/01/2010 To 6/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 1931 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	7-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 SO2 lb/mmBtu 24-Hr

Emission Limitation: 0.7

Reporting Period Dates: From 4/01/2010 To 6/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 05/14/10

Total Source Operating Time in Reporting Period: 1931 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	3	0.16
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	3	0.16

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	23	1.19
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	23	1.19

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	7-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 SO2 lb/mmBtu 30-Day

Emission Limitation: 0.5

Reporting Period Dates: From 4/01/2010 To 6/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 05/14/10

Total Source Operating Time in Reporting Period: 1931 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	3	0.16
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	3	0.16

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	7-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 SO2 Reduction 30-Day

Emission Limitation: 90

Reporting Period Dates: From 4/01/2010 To 6/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 05/14/10

Total Source Operating Time in Reporting Period: 1931 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	3	0.16
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	3	0.16

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	7-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 CO lb/mmBtu 8-Hr

Emission Limitation: 0.3

Reporting Period Dates: From 4/01/2010 To 6/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 1931 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	49	2.54
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	49	2.54

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

Jason M. Prentice	Jason M. Prentice	Env. Planner	7-29-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 CO lb/hr 8-Hr

Emission Limitation: 115.2

Reporting Period Dates: From 4/01/2010 To 6/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 1931 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
1. CEMS downtime in reporting period due to:	Duration	% Unavailable (1)
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	19	0.98
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	19	0.98

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	7-29-00
NAME	SIGNATURE	TITLE	DATE

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Opacity

Data in the Reporting Period: 04/01/10 to 06/30/10

Incid. No.	Start Date	End Date	Duration Periods	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	06/14/10 13:12:37	06/14/10 13:47:45	6	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim Tech. doing system upgrades
2	06/16/10 07:54:40	06/16/10 07:59:40	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim Tech doing system upgrades
3	06/20/10 22:42:39	06/20/10 22:53:36	2	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Error caused during Auto calibration test.
4	06/21/10 00:00:38	06/21/10 00:11:39	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	UPS failed and was taken out of service.

Total Downtime in the Reporting Period = 11 Periods , Data Availability for this Reporting Period = 99.94 %

Total Operating Time in the Reporting Period = 18846 Periods

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: NOx CEMS

Data in the Reporting Period: 04/01/10 to 06/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	05/03/10 14:00:34	05/03/10 15:59:34	2	15=Preventative Maintenance	3=Quality Assurance Calibrations	Repaired worn out Sample tube.

Total Downtime in the Reporting Period = 2 hours , Data Availability for this Reporting Period = 99.89 %

Total Operating Time in the Reporting Period = 1858 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 CEMS

Data in the Reporting Period: 04/01/10 to 06/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	04/20/10 12:00:38	04/20/10 12:59:38	1	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Ran manual daily calibration .

Total Downtime in the Reporting Period = 1 hours , Data Availability for this Reporting Period = 99.95 %

Total Operating Time in the Reporting Period = 1858 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO CEMS

Data in the Reporting Period: 04/01/10 to 06/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	06/21/10 00:00:33	06/21/10 07:59:38	8	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	remved and replaced Co analyzer IR source.

Total Downtime in the Reporting Period = 8 hours , Data Availability for this Reporting Period = 99.57 %

Total Operating Time in the Reporting Period = 1858 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO2 Analyzer

Data in the Reporting Period: 04/01/10 to 06/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1858 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Flow Analyzer

Data in the Reporting Period: 04/01/10 to 06/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1858 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Inlet SO2 CEMS

Data in the Reporting Period: 04/01/10 to 06/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	06/14/10 14:00:45	06/14/10 14:59:45	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim Tech. Doing system data handling upgrades

Total Downtime in the Reporting Period = 1 hours , Data Availability for this Reporting Period = 99.95 %

Total Operating Time in the Reporting Period = 1858 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Inlet CO2 Analyzer

Data in the Reporting Period: 04/01/10 to 06/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1858 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Opacity

Data in the Reporting Period: 04/01/10 to 06/30/10

Incid. No.	Start Date	End Date	Duration Periods	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	06/14/10 13:12:33	06/14/10 15:05:35	19	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim tech. Upgrading system Dahs
2	06/14/10 15:12:35	06/14/10 15:41:40	5	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim Tech Upgrading system Dahs

Total Downtime in the Reporting Period = 24 Periods , Data Availability for this Reporting Period = 99.88 %

Total Operating Time in the Reporting Period = 19621 Periods

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: NOx CEMS

Data in the Reporting Period: 04/01/10 to 06/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1931 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 CEMS

Data in the Reporting Period: 04/01/10 to 06/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	04/20/10 14:00:37	04/20/10 15:59:39	2	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Ran Manual daily calibration
2	04/21/10 01:00:41	04/21/10 01:59:41	1	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Ran manual daily calibration.

Total Downtime in the Reporting Period = 3 hours , Data Availability for this Reporting Period = 99.84 %

Total Operating Time in the Reporting Period = 1931 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO CEMS

Data in the Reporting Period: 04/01/10 to 06/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1931 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Parameter: CO2 Analyzer

Location: Filer City, MI

Data in the Reporting Period: 04/01/10 to 06/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1931 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Parameter: Flow Analyzer

Location: Filer City, MI

Data in the Reporting Period: 04/01/10 to 06/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1931 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Inlet SO2 CEMS

Data in the Reporting Period: 04/01/10 to 06/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1931 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Inlet CO2 Analyzer

Data in the Reporting Period: 04/01/10 to 06/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1931 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Opacity

Limit: 10

Data in the Reporting Period: 04/01/10 to 06/30/10

Inc No.	Start Date	End Date	Duration Periods	Emission Reading	EPA Category	Reason for Incident	Corrective Action
1	04/20/10 12:36:33	04/20/10 12:59:38	4		Startup/Shutdown	startup. Bag house was not in service yet	Put bag house into service and followed MMP
2	06/19/10 22:36:36	06/19/10 22:41:36	1	25.00 22.00	Startup/Shutdown	Boiler trip, Furnace air pressure switch	Corrected trouble and restarted following MMP

Total Duration in the Reporting Period = 5 Periods , Percentage of Operating Time above Excess Emission Limit = 0.03 %

Total Operating Time in the Reporting Period = 18846 Periods

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: NOx lb/mmBtu 30-Day

Limit: 0.60

Data in the Reporting Period: 04/01/10 to 06/30/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 1858 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Location: Filer City, MI

Parameter: SO2 lb/mmBtu 24-Hr

Data in the Reporting Period: 04/01/10 to 06/30/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	04/12/10 00:00:59	04/12/10 23:59:59	4	1.3	0.7	Startup/Shutdown	process down	Spring outage.
2	04/20/10 00:00:59	04/20/10 23:59:59	12	2.6	0.7	Startup/Shutdown	Startup	started up following MMP procedures
3	04/21/10 00:00:59	04/21/10 23:59:59	5	2.7	0.7	Startup/Shutdown	Start up	Started up follwing MMP procedures

Total Duration in the Reporting Period = 21 hours , Percentage of Operating Time above Excess Emission Limit = 1.13 %

Total Operating Time in the Reporting Period = 1858 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Location: Filer City, MI

Parameter: SO2 lb/mmBtu 30-Day

Limit: 0.5

Data in the Reporting Period: 04/01/10 to 06/30/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 1858 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 Reduction 30-Day

Limit: 90

Data in the Reporting Period: 04/01/10 to 06/30/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 1858 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO lb/mmBtu 8-Hr

Data in the Reporting Period: 04/01/10 to 06/30/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	04/11/10 16:00:39	04/11/10 23:59:39	8	2.3	0.3	Startup/Shutdown	shutdown spring outage.	Non needed
2	04/12/10 00:00:35	04/12/10 07:59:35	4	5.3	0.3	Startup/Shutdown	Shut down spring outage	non needed
3	04/20/10 08:00:36	04/20/10 15:59:36	4	4.9	0.3	Startup/Shutdown	Startup at 12:59	Started up follwing MMP procedures
4	04/20/10 16:00:37	04/20/10 23:59:37	8	4.3	0.3	Startup/Shutdown	Startup continues	Started up following MMP procedures.
5	04/21/10 00:00:41	04/21/10 07:59:41	5	6.8	0.3	Startup/Shutdown	Shutdown Grate damage.	Repairing grates.
6	04/26/10 08:00:35	04/26/10 15:59:35	7	5.5	0.3	Startup/Shutdown	Startup	Startup following MMP procedures.

Total Duration in the Reporting Period = 36 hours , Percentage of Operating Time above Excess Emission Limit = 1.94 %

Total Operating Time in the Reporting Period = 1858 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: CO lb/hr 8-Hr

Data in the Reporting Period: 04/01/10 to 06/30/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	04/11/10 16:00:39	04/11/10 23:59:39	8	185.3	115.2	Startup/Shutdown	Shut down at 19:59 Spring outage.	N/A
2	04/12/10 00:00:35	04/12/10 07:59:35	4	313.6	115.2	Startup/Shutdown	Shuting Down spring outage	N/A
3	04/20/10 08:00:36	04/20/10 15:59:36	4	221.5	115.2	Startup/Shutdown	Startup at 1259	Followed MMp procedures for startup
4	04/20/10 16:00:37	04/20/10 23:59:37	8	273.2	115.2	Startup/Shutdown	Startup continues	Followed MMP procedures for start up
5	04/21/10 00:00:41	04/21/10 07:59:41	5	131.5	115.2	Startup/Shutdown	Shutdown grate damage	Repairing grates
6	04/26/10 08:00:35	04/26/10 15:59:35	7	280.0	115.2	Startup/Shutdown	Startup	Startup following MMP procedures.

Total Duration in the Reporting Period = 36 hours , Percentage of Operating Time above Excess Emission Limit = 1.94 %

Total Operating Time in the Reporting Period = 1858 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Opacity

Limit: 10

Data in the Reporting Period: 04/01/10 to 06/30/10

Inc No.	Start Date	End Date	Duration Periods	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
1	04/04/10 04:36:35	04/04/10 04:41:35	1	21	21	Control Equip Problems	Baghouse bypass Hi DP	Restored to service.
2	04/05/10 02:00:35	04/05/10 02:05:35	1	11	11	Control Equip Problems	Baghouse bypass Hi DP	Restored to service
3	04/05/10 02:48:37	04/05/10 02:59:36	2	16	19	Control Equip Problems	Baghouse bypass Hi DP	Restored to service.
4	04/12/10 00:18:35	04/12/10 00:23:35	1	25	25	Startup/Shutdown	Shutdown spring outage. ID fan running	N/A
5	04/12/10 00:42:35	04/12/10 00:47:35	1	28	28	Startup/Shutdown	Spring outage , ID fan running for boiler	N/A
6	04/19/10 08:42:40	04/19/10 08:47:40	1	15	15	Startup/Shutdown	Spring outage, ID fan running for boiler	N/A
7	04/20/10 14:06:37	04/20/10 14:17:37	2	25	28	Startup/Shutdown	Spring outage , ID fan running for boiler	N/A
8	04/21/10 15:30:38	04/21/10 15:41:38	2	16	21	Control Equip Problems	Baghouse bypass Lo Temp.	Restored to service.
9	05/04/10 09:06:39	05/04/10 09:17:35	2	56	69	Process Problems	Baghouse bypass Hi Temp.	Restored to service.
10	05/25/10 10:06:35	05/25/10 10:11:35	1	38	38	Process Problems	Baghouse bypass Hi temperature.Due to	Restored Quenching and returned to service.
11	06/22/10 09:54:36	06/22/10 10:05:40	2	36	59	Control Equip Problems	Baghouse bypass Hi Temp. and Hi DP.	Restored to service .
12	06/25/10 10:54:38	06/25/10 10:59:38	1	21	21	Control Equip Problems	Baghouse bypass Hi DP	Returned to service

Total Duration in the Reporting Period = 17 Periods , Percentage of Operating Time above Excess Emission Limit = 0.09 %

Total Operating Time in the Reporting Period = 19621 Periods

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: NOx lb/mmBtu 30-Day

Limit: 0.60

Data in the Reporting Period: 04/01/10 to 06/30/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 1931 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 lb/mmBtu 24-Hr

Data in the Reporting Period: 04/01/10 to 06/30/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	04/21/10 00:00:59	04/21/10 23:59:59	23	1.7	0.7	Startup/Shutdown	Startup	Followed MMP procedures for startup.

Total Duration in the Reporting Period = 23 hours , Percentage of Operating Time above Excess Emission Limit = 1.19 %

Total Operating Time in the Reporting Period = 1931 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 lb/mmBtu 30-Day

Limit: 0.5

Data in the Reporting Period: 04/01/10 to 06/30/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 1931 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 Reduction 30-Day

Limit: 90

Data in the Reporting Period: 04/01/10 to 06/30/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 1931 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO lb/mmBtu 8-Hr

Data in the Reporting Period: 04/01/10 to 06/30/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	04/11/10 16:00:39	04/11/10 23:59:39	6	3.5	0.3	Startup/Shutdown	Shut down spring outage	N/A
2	04/21/10 00:00:40	04/21/10 07:59:40	7	3.4	0.3	Startup/Shutdown	Startup	Followed MMP procedures for startup.
3	04/21/10 08:00:39	04/21/10 15:59:39	8	0.4	0.3	Startup/Shutdown	Startup	Followed MMp procedures for startup
4	04/28/10 08:00:38	04/28/10 15:59:38	2	9.9	0.3	Startup/Shutdown	Shutdown, Super heat tube leak.	Repairing tubing
5	04/29/10 16:00:39	04/29/10 23:59:39	6	2.0	0.3	Startup/Shutdown	Startup after tube repairs	startup following MMP procedures
6	04/30/10 00:00:37	04/30/10 07:59:37	8	1.9	0.3	Startup/Shutdown	Startup	Startup following MMP procedures.
7	04/30/10 08:00:39	04/30/10 15:59:39	8	1.9	0.3	Startup/Shutdown	Shutdown, broken grate.	shuting down to repair broken grate.
8	04/30/10 16:00:38	04/30/10 23:59:38	4	4.4	0.3	Startup/Shutdown	Startup after grate repairs	Followed MMP procedures for startup

Total Duration in the Reporting Period = 49 hours , Percentage of Operating Time above Excess Emission Limit = 2.54 %

Total Operating Time in the Reporting Period = 1931 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO lb/hr 8-Hr

Data in the Reporting Period: 04/01/10 to 06/30/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	04/21/10 00:00:40	04/21/10 07:59:40	7	194.0	115.2	Startup/Shutdown	Startup	Follwed MMP procedures for startup
2	04/30/10 00:00:37	04/30/10 07:59:37	8	145.6	115.2	Startup/Shutdown	Startup after tube repairs	Followed MMP procedures for startup.
3	04/30/10 16:00:38	04/30/10 23:59:38	4	224.8	115.2	Startup/Shutdown	Startup after grate repairs	Followed MMP procecudes for startup

Total Duration in the Reporting Period = 19 hours , Percentage of Operating Time above Excess Emission Limit = 0.98 %

Total Operating Time in the Reporting Period = 1931 hours

Linearity Test Report - 2010Q2

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 NOx High Audit Test Results Analyzer Span: 500.00 ppm

Mfr & Model: Thermo 42i

Serial Number: 0623017966

Low-Level Calibration Gas (20-30% of Span) (100.00 ppm - 150.00 ppm)
Concentration: 126.70
Cylinder No.: ALM063532
Expiration Date: 09/03/10

Mid-Level Calibration Gas (50-60% of Span) (250.00 ppm - 300.00 ppm)
Concentration: 276.80
Cylinder No.: AAL21110
Expiration Date: 09/03/10

High-Level Calibration Gas (80-100% of Span) (400.00 ppm - 500.00 ppm)
Concentration: 435.40
Cylinder No.: XC016537B
Expiration Date: 12/07/11

Test Date: 05/14/10

Tester: ART PATTEN

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	09:50:03	124.60	09:55:01	274.50	10:00:03	429.15
Run 2	10:23:04	124.90	10:28:00	274.20	10:33:00	427.75
Run 3	11:23:12	126.55	11:28:00	275.85	11:33:04	435.00
Avg. Monitor Response		125.350		274.850		430.633
Linearity Error		1.1		0.7		1.1
Absolute Difference		1.4		2.0		4.8
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS I Cal. Gas Concentration - Avg. Monitor Response I}}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS I Cal. Gas Concentration - Avg. Monitor Response I

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Linearity Test Report - 2010Q2

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 1 SO2 Low Audit Test Results **Analyzer Span:** 200.00 ppm

Mfr & Model: Thermo 43i **Serial Number:** 0622717877

Low-Level Calibration Gas (20-30% of Span) (40.000 ppm - 60.000 ppm)	Concentration:	50.590
	Cylinder No.:	ALM063532
	Expiration Date:	09/03/10
Mid-Level Calibration Gas (50-60% of Span) (100.00 ppm - 120.00 ppm)	Concentration:	111.90
	Cylinder No.:	AAL21110
	Expiration Date:	09/03/10
High-Level Calibration Gas (80-100% of Span) (160.00 ppm - 200.00 ppm)	Concentration:	180.50
	Cylinder No.:	XC016537B
	Expiration Date:	12/07/10

Test Date: 05/14/10 **Tester:** ART PATTEN

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	09:50:03	52.620	09:55:01	115.10	10:00:03	178.86
Run 2	10:23:04	51.560	10:28:00	114.26	10:33:00	179.46
Run 3	11:23:12	52.140	11:28:00	113.62	11:33:04	179.84
Avg. Monitor Response		52.107		114.327		179.387
Linearity Error		3.0		2.2		0.6
Absolute Difference		1.5		2.4		1.1
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS I Cal. Gas Concentration - Avg. Monitor Response I}}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS I Cal. Gas Concentration - Avg. Monitor Response I

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Linearity Test Report - 2010Q2

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 1 SO2 High Audit Test Results **Analyzer Span:** 1500.0 ppm

Mfr & Model: Thermo 43i **Serial Number:** 0622717877

Low-Level Calibration Gas (20-30% of Span) (300.00 ppm - 450.00 ppm)	Concentration:	377.40
	Cylinder No.:	ALM018564
	Expiration Date:	09/02/10
Mid-Level Calibration Gas (50-60% of Span) (750.00 ppm - 900.00 ppm)	Concentration:	829.10
	Cylinder No.:	ALM029460
	Expiration Date:	09/02/11
High-Level Calibration Gas (80-100% of Span) (1200.0 ppm - 1500.0 ppm)	Concentration:	1370.0
	Cylinder No.:	XC025774B
	Expiration Date:	12/07/12

Test Date: 05/14/10 **Tester:** ART PATTEN

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	12:23:09	385.50	12:28:11	846.15	12:33:07	1366.4
Run 2	12:45:08	388.65	12:50:05	847.95	12:54:57	1361.9
Run 3	13:23:04	385.05	13:28:04	837.15	13:33:02	1375.2
Avg. Monitor Response		386.400		843.750		1367.83
Linearity Error		2.4		1.8		0.2
Absolute Difference		9.0		14.7		2.2
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS I Cal. Gas Concentration - Avg. Monitor Response I}}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS I Cal. Gas Concentration - Avg. Monitor Response I

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Linearity Test Report - 2010Q2

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 1 CO2 Audit Test Results **Analyzer Span:** 20.000 %

Mfr & Model: Thermo 410i **Serial Number:** 0622717869

Low-Level Calibration Gas (20-30% of Span) (4.000 % - 6.000 %)	Concentration:	5.530
	Cylinder No.:	ALM063532
	Expiration Date:	09/03/10
Mid-Level Calibration Gas (50-60% of Span) (10.000 % - 12.000 %)	Concentration:	11.010
	Cylinder No.:	AAL21110
	Expiration Date:	09/03/10
High-Level Calibration Gas (80-100% of Span) (16.000 % - 20.000 %)	Concentration:	17.460
	Cylinder No.:	XC016537B
	Expiration Date:	12/07/11

Test Date: 05/14/10 **Tester:** ART PATTEN

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	09:50:03	5.500	09:55:01	11.020	10:00:03	17.660
Run 2	10:23:04	5.510	10:28:00	11.000	10:33:00	17.590
Run 3	11:23:12	5.540	11:28:00	10.910	11:33:04	17.720
Avg. Monitor Response		5.517		10.977		17.657
Linearity Error		0.2		0.3		1.1
Absolute Difference		0.0		0.0		0.2
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS I Cal. Gas Concentration - Avg. Monitor Response I}}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS I Cal. Gas Concentration - Avg. Monitor Response I

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

CGA Test Report - 2010Q2

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 1 CO High Audit Test Results **Analyzer Span:** ~~20.0~~ 500.0 ppm

Mfr & Model: Thermo 48i **Serial Number:** 0622717887

Low-Level Calibration Gas (20-30% of Span) (~~4.0~~ 100.0 ppm - ~~6.0~~ 150.0 ppm)	Concentration:	125.6
	Cylinder No.:	ALM063532
	Expiration Date:	09/03/10
Mid-Level Calibration Gas (50-60% of Span) (~~10.0~~ 250.0 ppm - ~~12.0~~ 300.0 ppm)	Concentration:	277.5
	Cylinder No.:	AAL21110
	Expiration Date:	09/03/10

Test Date: 05/14/10 **Tester:** ART PATTEN

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	09:50:03	128.6	09:55:01	277.6
Run 2	10:23:04	129.2	10:28:00	278.4
Run 3	11:23:12	128.6	11:28:00	276.4
Avg. Monitor Response		128.8		277.5
Calibration Error		2.6		0.0
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response - Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Arthur Patten

Print Name: Arthur Patten

Technician/Service Representative

TESFiler0001449

CGA Test Report - 2010Q2

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 1 Inlet SO2 Audit Test Results **Analyzer Span:** 1500.0 ppm

Mfr & Model: Thermo 43i **Serial Number:** 0622717879

Low-Level Calibration Gas (20-30% of Span) (300.0 ppm - 450.0 ppm)	Concentration:	377.4
	Cylinder No.:	ALM018564
	Expiration Date:	09/02/10
Mid-Level Calibration Gas (50-60% of Span) (750.0 ppm - 900.0 ppm)	Concentration:	829.1
	Cylinder No.:	ALM029460
	Expiration Date:	09/02/11

Test Date: 05/14/10 **Tester:** ART PATTEN

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	09:24:04	383.9	09:30:11	831.9
Run 2	10:24:08	386.1	10:30:01	832.8
Run 3	11:24:05	384.2	11:30:01	836.0
Avg. Monitor Response		384.7		833.6
Calibration Error		1.9		0.5
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response - Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Arthur Patten

Print Name: Arthur Patten

Technician/Service Representative

CGA Test Report - 2010Q2

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 1 Inlet CO2 Audit Test Results **Analyzer Span:** 20.00 %

Mfr & Model: Thermo 410i **Serial Number:** 0622717873

Low-Level Calibration Gas (20-30% of Span) (4.00 % - 6.00 %)	Concentration:	5.50
	Cylinder No.:	ALM018564
	Expiration Date:	09/02/10
Mid-Level Calibration Gas (50-60% of Span) (10.00 % - 12.00 %)	Concentration:	11.11
	Cylinder No.:	ALM029460
	Expiration Date:	09/02/11

Test Date: 05/14/10 **Tester:** ART PATTEN

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	09:24:04	5.42	09:30:11	10.90
Run 2	10:24:08	5.41	10:30:01	10.91
Run 3	11:24:05	5.42	11:30:01	10.93
Avg. Monitor Response		5.42		10.91
Calibration Error		-1.5		-1.8
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response - Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Arthur Patten

Print Name: Art Patten
Technician/Service Representative

Linearity Test Report - 2010Q2

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 2 NOx High Audit Test Results **Analyzer Span:** 500.00 ppm

Mfr & Model: Thermo 42i **Serial Number:** 0623017967

Low-Level Calibration Gas (20-30% of Span) (100.00 ppm - 150.00 ppm)	Concentration:	126.70
	Cylinder No.:	ALM063532
	Expiration Date:	09/03/10
Mid-Level Calibration Gas (50-60% of Span) (250.00 ppm - 300.00 ppm)	Concentration:	276.80
	Cylinder No.:	AAL21110
	Expiration Date:	09/03/10
High-Level Calibration Gas (80-100% of Span) (400.00 ppm - 500.00 ppm)	Concentration:	435.40
	Cylinder No.:	XC016537B
	Expiration Date:	12/07/11

Test Date: 05/14/10 **Tester:** ART PATTEN

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	09:23:13	127.25	09:28:03	277.35	09:33:02	432.75
Run 2	10:23:05	127.85	10:28:09	276.15	10:33:09	432.90
Run 3	11:23:14	127.70	11:28:07	277.65	11:33:08	432.60
Avg. Monitor Response		127.600		277.050		432.750
Linearity Error		0.7		0.1		0.6
Absolute Difference		0.9		0.3		2.7
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS I Cal. Gas Concentration - Avg. Monitor Response I}}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS I Cal. Gas Concentration - Avg. Monitor Response I

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

TESFiler0001452

Linearity Test Report - 2010Q2

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 SO2 Low Audit Test Results Analyzer Span: 200.00 ppm

Mfr & Model: Thermo 43i

Serial Number: 0622717880

Low-Level Calibration Gas (20-30% of Span) (40.000 ppm - 60.000 ppm)	Concentration: 50.590 Cylinder No.: ALM063532 Expiration Date: 09/03/10
Mid-Level Calibration Gas (50-60% of Span) (100.00 ppm - 120.00 ppm)	Concentration: 111.90 Cylinder No.: AAL21110 Expiration Date: 09/03/10
High-Level Calibration Gas (80-100% of Span) (160.00 ppm - 200.00 ppm)	Concentration: 180.50 Cylinder No.: XC016537B Expiration Date: 12/07/11

Test Date: 05/14/10 Tester: ART PATTEN

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	09:23:13	51.860	09:28:03	114.20	09:33:02	179.60
Run 2	10:23:05	50.780	10:28:09	112.22	10:33:09	178.88
Run 3	11:23:14	51.480	11:28:07	112.18	11:33:08	179.06
Avg. Monitor Response		51.373		112.867		179.180
Linearity Error		1.5		0.9		0.7
Absolute Difference		0.8		1.0		1.3
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS I Cal. Gas Concentration - Avg. Monitor Response I}}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS I Cal. Gas Concentration - Avg. Monitor Response I

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Linearity Test Report - 2010Q2

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 2 SO2 High Audit Test Results **Analyzer Span:** 1500.0 ppm

Mfr & Model: Thermo 43i **Serial Number:** 0622717880

Low-Level Calibration Gas (20-30% of Span) (300.00 ppm - 450.00 ppm)	Concentration:	377.40
	Cylinder No.:	ALM018564
	Expiration Date:	09/02/10
Mid-Level Calibration Gas (50-60% of Span) (750.00 ppm - 900.00 ppm)	Concentration:	829.10
	Cylinder No.:	ALM029460
	Expiration Date:	09/02/11
High-Level Calibration Gas (80-100% of Span) (1200.0 ppm - 1500.0 ppm)	Concentration:	1370.0
	Cylinder No.:	XC025774B
	Expiration Date:	12/07/12

Test Date: 05/14/10 **Tester:** ART PATTEN

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	12:23:14	383.40	12:28:06	843.15	12:33:00	1378.2
Run 2	12:50:14	387.45	12:55:07	843.60	13:00:03	1370.9
Run 3	13:23:15	384.30	13:28:07	844.50	13:33:06	1380.5
Avg. Monitor Response		385.050		843.750		1376.53
Linearity Error		2.0		1.8		0.5
Absolute Difference		7.7		14.7		6.5
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS I Cal. Gas Concentration - Avg. Monitor Response I}}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS I Cal. Gas Concentration - Avg. Monitor Response I

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

TESFiler0001454

Linearity Test Report - 2010Q2

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 2 CO2 Audit Test Results **Analyzer Span:** 20.000 %

Mfr & Model: Thermo 410i **Serial Number:** 0622717874

Low-Level Calibration Gas (20-30% of Span) (4.000 % - 6.000 %)	Concentration:	5.530
	Cylinder No.:	ALM063532
	Expiration Date:	09/03/10
Mid-Level Calibration Gas (50-60% of Span) (10.000 % - 12.000 %)	Concentration:	11.010
	Cylinder No.:	AAL21110
	Expiration Date:	09/03/10
High-Level Calibration Gas (80-100% of Span) (16.000 % - 20.000 %)	Concentration:	17.460
	Cylinder No.:	XC016537B
	Expiration Date:	12/07/11

Test Date: 05/14/10 **Tester:** ART PATTEN

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	09:23:13	5.400	09:28:03	10.840	09:33:02	17.440
Run 2	10:23:05	5.410	10:28:09	10.830	10:33:09	17.410
Run 3	11:23:14	5.460	11:28:07	10.880	11:33:08	17.540
Avg. Monitor Response		5.423		10.850		17.463
Linearity Error		1.9		1.5		0.0
Absolute Difference		0.1		0.2		0.0
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS I Cal. Gas Concentration - Avg. Monitor Response I}}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS I Cal. Gas Concentration - Avg. Monitor Response I

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

CGA Test Report - 2010Q2

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 2 CO High Audit Test Results **Analyzer Span:** ~~20.0~~ 500.0 ppm

Mfr & Model: Thermo 48i **Serial Number:** 0622717888

Low-Level Calibration Gas (20-30% of Span) (~~4.0~~ 100.0 ppm - ~~6.0~~ 150.0 ppm)	Concentration:	125.6
	Cylinder No.:	ALM063532
	Expiration Date:	09/03/10
Mid-Level Calibration Gas (50-60% of Span) (~~10.0~~ 250.0 ppm - ~~12.0~~ 300.0 ppm)	Concentration:	277.5
	Cylinder No.:	AAL21110
	Expiration Date:	09/03/10

Test Date: 05/14/10 **Tester:** ART PATTEN

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	09:23:13	128.4	09:28:03	282.4
Run 2	10:23:05	129.0	10:28:09	280.8
Run 3	11:23:14	122.2	11:28:07	275.4
Avg. Monitor Response		126.5		279.5
Calibration Error		0.7		0.7
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response - Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Arthur Patten

Print Name: Arthur Patten

Technician/Service Representative

TESFiler0001456

CGA Test Report - 2010Q2

Facility Name: T.E.S. Filer City Station **Location:** Filer City, MI

Blr 2 Inlet SO2 Audit Test Results **Analyzer Span:** 1500.0 ppm

Mfr & Model: Thermo 43i **Serial Number:** 0622717883

Low-Level Calibration Gas (20-30% of Span) (300.0 ppm - 450.0 ppm)	Concentration: 377.4 Cylinder No.: ALM018564 Expiration Date: 09/02/10
Mid-Level Calibration Gas (50-60% of Span) (750.0 ppm - 900.0 ppm)	Concentration: 829.1 Cylinder No.: ALM029460 Expiration Date: 09/02/11

Test Date: 05/14/10 **Tester:** ART PATTEN

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	09:24:06	391.8	09:30:03	842.3
Run 2	10:24:14	388.2	10:30:05	841.5
Run 3	11:24:06	388.8	11:30:04	846.3
Avg. Monitor Response		389.6		843.4
Calibration Error		3.2		1.7
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response - Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Arthur Patten

Print Name: Arthur Patten

Technician/Service Representative

TESFiler0001457

CGA Test Report - 2010Q2

Facility Name: T.E.S. Filer City Station Location: Filer City, MI

Blr 2 Inlet CO2 Audit Test Results Analyzer Span: 20.00 %

Mfr & Model: Thermo 410i Serial Number: 0622717875

Low-Level Calibration Gas (20-30% of Span) (4.00 % - 6.00 %)
Concentration: 5.50
Cylinder No.: ALM018564
Expiration Date: 04/14/11

Mid-Level Calibration Gas (50-60% of Span) (10.00 % - 12.00 %)
Concentration: 11.11
Cylinder No.: ALM029460
Expiration Date: 09/02/11

Test Date: 05/14/10 Tester: ART PATTEN

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	09:24:06	5.42	09:30:03	10.97
Run 2	10:24:14	5.40	10:30:05	10.92
Run 3	11:24:06	5.40	11:30:04	10.96
Avg. Monitor Response		5.41		10.95
Calibration Error		-1.6		-1.4
Absolute Difference		0.09		0.16
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response - Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Arthur Patten

Print Name: Arthur Patten

Technician/Service Representative

TESFiler0001458

6

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Customer:	CADILLAC		
Part Number:	E03NI82E15A3990	Reference Number:	32-112935411-1
Cylinder Number:	XC025774B	Cylinder Volume:	155 Cu.Ft.
Laboratory:	MIC - Royal Oak-32 - MI	Cylinder Pressure:	2015 PSIG
Analysis Date:	Dec 07, 2009	Valve Outlet:	660

Expiration Date: Dec 07, 2012

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	1350 PPM	1370 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	17.50 %	17.61 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	00051520	SG9112060BAL	3041PPM SULFUR DIOXIDE/NITROGEN	Aug 15, 2013
NTRM	04060402	XC034387B	19.84% CARBON DIOXIDE/NITROGEN	May 15, 2012

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 20% FS CO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Nov 20, 2009
E/N 54, 4800ppmFS SO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Nov 19, 2009

Triad Data Available Upon Request

Notes:ORDER#077944

Signature on file

QA Approval

Scott Specialty Gases AIR LIQUIDE

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1290 COMBERMERE STREET, TROY, MI 48083 Phone: 248-589-2950 Fax: 248-589-2134

RATA CLASS

Dual-Analyzed Calibration Standard

CERTIFICATE OF ACCURACY: Interference Free™ Multi-Component EPA Protocol Gas

Assay Laboratory
AIR LIQUIDE AMERICA SPECIALTY GASES LLC
1290 COMBERMERE STREET
TROY, MI 48083

P.O. No.: 08-0609
Project No.: 05-68065-002

Customer
T.E.S. FILER CITY STATION

700 MEE STREET
PO BOX 12
FILER CITY MI 49634

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: ALM029460
Cylinder Pressure*:** 2013 PSIG

Certification Date: 02Sep2008

Exp. Date: 02Sep2011

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ACCURACY**	TRACEABILITY
CARBON DIOXIDE	11.11 %	+/- 1%	Direct NIST and VSL
SULFUR DIOXIDE *	829.1 PPM	+/- 1%	Direct NIST and VSL
NITROGEN	BALANCE		

*** Do not use when cylinder pressure is below 150 psig.
** Analytical accuracy is based on the requirements of EPA Protocol Procedure G1, September 1997.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMPONENT
NTRM 1800	01Mar2009	K005478	17.87 %	CARBON DIOXIDE
NTRM 1664	02Oct2011	AAL045456	2402. PPM	SULFUR DIOXIDE

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
FTIR//0928621	07Aug2008	FTIR
FTIR//0928621	21Aug2008	FTIR

ANALYZER READINGS

(Z=Zero Gas R=Reference Gas T=Test Gas r=Correlation Coefficient)

First Triad Analysis

CARBON DIOXIDE
Date: 26Aug2008 Response Unit: %
Z1=-0.00830 R1=17.79419 T1=11.06706
R2=17.81214 Z2=0.00077 T2=11.08136
Z3=0.00230 T3=11.08276 R3=17.82888
Avg. Concentration: 11.11 %

SULFUR DIOXIDE *
Date: 26Aug2008 Response Unit: PPM
Z1=0.42050 R1=2414.655 T1=833.1558
R2=2416.210 Z2=0.48835 T2=833.6235
Z3=0.86606 T3=834.5617 R3=2416.649
Avg. Concentration: 828.6 PPM

Second Triad Analysis

Date: 02Sep2008 Response Unit: PPM
Z1=-0.12270 R1=2408.497 T1=832.6382
R2=2411.951 Z2=0.38978 T2=833.1339
Z3=0.99765 T3=833.7563 R3=2413.742
Avg. Concentration: 829.7 PPM

Calibration Curve

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99995E-1
Constants: A=0.00000E+0
B=9.10916E-1 C=1.17120E-2
D=0.00000E+0 E=0.00000E+0

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99990E-1
Constants: A=0.00000E+0
B=1.01803E+0 C=4.00000E-6
D=0.00000E+0 E=0.00000E+0

QUALITY ASSURANCE

Scott Specialty Gases AIR LIQUIDE

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RATA CLASS

Dual-Analyzed Calibration Standard

CERTIFICATE OF ACCURACY: Interference Free™ Multi-Component EPA Protocol Gas

Assay Laboratory
AIR LIQUIDE AMERICA SPECIALTY GASES LLC
1290 COMBERMERE STREET
TROY, MI 48083

P.O. No.: 08-0609
Project No.: 05-68065-006

Customer
T.E.S. FILER CITY STATION

700 MEE STREET
PO BOX 12
FILER CITY MI 49634

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: ALM018564
Cylinder Pressure*:** 2000 PSIG

Certification Date: 02Sep2008

Exp. Date: 02Sep2010

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ACCURACY**	TRACEABILITY
CARBON DIOXIDE	5.499 %	+/- 1%	Direct NIST and VSL
SULFUR DIOXIDE *	377.4 PPM	+/- 1%	Direct NIST and VSL
NITROGEN	BALANCE		

*** Do not use when cylinder pressure is below 150 psig.
** Analytical accuracy is based on the requirements of EPA Protocol Procedure G1, September 1997.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMPONENT
NTRM 1800	01Mar2009	K005478	17.87 %	CARBON DIOXIDE
NTRM 1661	15Aug2009	ALM009704	506.4 PPM	SULFUR DIOXIDE

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
FTIR//0928621	07Aug2008	FTIR
FTIR//0928621	21Aug2008	FTIR

ANALYZER READINGS

(Z=Zero Gas R=Reference Gas T=Test Gas r=Correlation Coefficient)

First Triad Analysis	Second Triad Analysis	Calibration Curve
CARBON DIOXIDE Date: 25Aug2008 Response Unit: % Z1=0.00078 R1=17.83277 T1=5.49031 R2=17.83598 Z2=0.00585 T2=5.49207 Z3=0.00831 T3=5.49427 R3=17.83679 Avg. Concentration: 5.499 %		Concentration=A+Bx+Cx2+Dx3+Ex4 r=9.99995E-1 Constants: A=0.00000E+0 B=9.10916E-1 C=1.17120E-2 D=0.00000E+0 E=0.00000E+0
SULFUR DIOXIDE * Date: 25Aug2008 Response Unit: PPM Z1=-0.51606 R1=507.5364 T1=377.5407 R2=507.9665 Z2=-0.10514 T2=378.4697 Z3=-0.06345 T3=378.7893 R3=508.2387 Avg. Concentration: 377.2 PPM	Date: 02Sep2008 Response Unit: PPM Z1=-0.01774 R1=507.6639 T1=378.7214 R2=507.9804 Z2=0.20666 T2=378.9375 Z3=0.54344 T3=379.2462 R3=508.5533 Avg. Concentration: 377.7 PPM	Concentration=A+Bx+Cx2+Dx3+Ex4 r=9.99990E-1 Constants: A=0.00000E+0 B=1.01803E+0 C=4.00000E-6 D=0.00000E+0 E=0.00000E+0

QUALITY ASSURANCE

Airgas

Airgas Great Lakes, Inc.
2009 Bellaire Ave.
Royal Oak, MI 48067
Ph: (248) 399-9150
Fax: (248) 584-2540
http://www.airgas.com

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Customer:	TES		
Part Number:	E05NI82E15A3991	Reference Number:	32-112935411-2
Cylinder Number:	XC016537B	Cylinder Volume:	155 Cu.Ft.
Laboratory:	MIC - Royal Oak-32 - MI	Cylinder Pressure:	2015 PSIG
Analysis Date:	Dec 07, 2009	Valve Outlet:	660

Expiration Date: Dec 07, 2011

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	180.0 PPM	180.5 PPM	G1	+/- 1% NIST Traceable
CARBON MONOXIDE	425.0 PPM	419.5 PPM	G1	+/- 1% NIST Traceable
NITRIC OXIDE	437.0 PPM	435.4 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	17.50 %	17.46 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

Total oxides of nitrogen 435.4 PPM For Reference Only

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	06060302	CC207431	490PPM NITRIC OXIDE/NITROGEN	Jan 01, 2010
NTRM	08061627	CC255661	247.0PPM SULFUR DIOXIDE/NITROGEN	Oct 15, 2012
NTRM	09060402	CC274097	501.3PPM CARBON MONOXIDE/NITROGEN	Feb 01, 2013
NTRM	04060402	XC034387B	19.84% CARBON DIOXIDE/NITROGEN	May 15, 2012

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 20% FS CO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Nov 20, 2009
E/N 147, 500ppmFS CO, Horiba via-510	Nondispersive Infrared (NDIR)	Dec 02, 2009
E/N 54, 1000 ppmFS NO, Nicolet 6700	Fourier Transform Infrared (FTIR)	Nov 19, 2009
E/N 54, 250ppmFS SO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Nov 19, 2009

Triad Data Available Upon Request

Notes:

Signature on file

TESFiler0001463

Scott Specialty Gases AIR LIQUIDE

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1290 COMBERMERE STREET, TROY, MI 48083 Phone: 248-589-2950 Fax: 248-589-2134

RATA CLASS

Dual-Analyzed Calibration Standard

CERTIFICATE OF ACCURACY: Interference Free™ Multi-Component EPA Protocol Gas

Assay Laboratory
AIR LIQUIDE AMERICA SPECIALTY GASES LLC
1290 COMBERMERE STREET
TROY, MI 48083

P.O. No.: 08-0609
Project No.: 05-68065-001

Customer
T.E.S. FILER CITY STATION

700 MEE STREET
PO BOX 12
FILER CITY MI 49634

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: AAL21110
Cylinder Pressure*:** 2000 PSIG

Certification Date: 03Sep2008

Exp. Date: 03Sep2010

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ACCURACY**	TRACEABILITY
CARBON DIOXIDE	11.01 %	+/- 1%	Direct NIST and VSL
CARBON MONOXIDE	277.5 PPM	+/- 1%	Direct NIST and VSL
NITRIC OXIDE	276.8 PPM	+/- 1%	Direct NIST and VSL
SULFUR DIOXIDE *	111.9 PPM	+/- 1%	Direct NIST and VSL
NITROGEN - OXYGEN FREE	BALANCE		
TOTAL OXIDES OF NITROGEN	276.8 PPM		Reference Value Only

*** Do not use when cylinder pressure is below 150 psig.
** Analytical accuracy is based on the requirements of EPA Protocol Procedure G1, September 1997.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMPONENT
NTRM 1800	01Mar2009	K005478	17.87 %	CARBON DIOXIDE
NTRM 2637	01Aug2009	ALM027702	2505. PPM	CARBON MONOXIDE
NTRM 1685	01Sep2010	KAL003525	247.1 PPM	NITRIC OXIDE
NTRM 0260	15Jan2012	KAL003793	255.5 PPM	SULFUR DIOXIDE

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
FTIR//0928621	07Aug2008	FTIR
VARIAN/3400/10693	02Sep2008	THERMAL CONDUCTIVITY
FTIR//0928621	28Aug2008	FTIR
FTIR//0928621	21Aug2008	FTIR

ANALYZER READINGS

(Z=Zero Gas R=Reference Gas T=Test Gas r=Correlation Coefficient)

First Triad Analysis

CARBON DIOXIDE
Date: 27Aug2008 Response Unit: %
Z1=0.00208 R1=17.82040 T1=10.98458
R2=17.82842 Z2=0.00421 T2=10.99783
Z3=0.00645 T3=11.00280 R3=17.85673
Avg. Concentration: 11.01 %

CARBON MONOXIDE
Date: 28Aug2008 Response Unit: AREA
Z1=0.00000 R1=1017641. T1=112952.0

Second Triad Analysis

Date: 04Sep2008 Response Unit: AREA
Z1=0.00000 R1=10201492 T1=112125.0

Calibration Curve

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99995E-1
Constants: A=0.00000E+0
B=9.10916E-1 C=1.17120E-2
D=0.00000E+0 E=0.00000E+0

Concentration=A+Bx+Cx2+Dx3+Ex4
r=0.999997

R2=1017686. Z2=0.00000 T2=112607.0
Z3=0.00000 T3=113037.0 R3=1019014.
Avg. Concentration: 276.4 PPM

NITRIC OXIDE

Date: 27Aug2008 Response Unit: PPM
Z1=-0.03226 R1=248.7322 T1=278.1675
R2=249.1804 Z2=0.30538 T2=279.1871
Z3=0.31818 T3=279.8932 R3=249.2033
Avg. Concentration: 276.9 PPM

SULFUR DIOXIDE *

Date: 27Aug2008 Response Unit: PPM
Z1=-0.02835 R1=254.8687 T1=111.3600
R2=255.1505 Z2=-0.01270 T2=111.5323
Z3=-0.00234 T3=111.6545 R3=255.3922
Avg. Concentration: 111.7 PPM

R2=1021857. Z2=0.00000 T2=112314.0
Z3=0.00000 T3=112737.0 R3=1024215.
Avg. Concentration: 278.7 PPM

Date: 03Sep2008 Response Unit: PPM
Z1=-0.22956 R1=248.0693 T1=278.2909
R2=248.6105 Z2=-0.11840 T2=278.4846
Z3=-0.11797 T3=278.7844 R3=249.7183
Avg. Concentration: 276.6 PPM

Date: 03Sep2008 Response Unit: PPM
Z1=-0.07237 R1=254.8683 T1=111.6020
R2=254.9270 Z2=-0.01578 T2=111.8129
Z3=0.01780 T3=111.9274 R3=255.1450
Avg. Concentration: 112.0 PPM

Constants: A=3.556275
B=0.002453 C=0.000000
D=0.000000 E=0.000000

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99998E-1
Constants: A=0.00000E+0
B=9.44080E-1 C=3.90000E-5
D=0.00000E+0 E=0.00000E+0

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99998E-1
Constants: A=0.00000E+0
B=1.00342E+0 C=4.00000E-6
D=0.00000E+0 E=0.00000E+0

QUALITY ASSURANCE

APPROVED BY: Rob McCrandall
(signature on file)

Scott Specialty Gases AIR LIQUIDE

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RATA CLASS

Dual-Analyzed Calibration Standard

CERTIFICATE OF ACCURACY: Interference Free™ Multi-Component EPA Protocol Gas

Assay Laboratory
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1290 COMBERMERE STREET
TROY, MI 48083

P.O. No.: 08-0609
Project No.: 05-68065-005

Customer
T.E.S. FILER CITY STATION

700 MEE STREET
PO BOX 12
FILER CITY MI 49634

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: ALM063532
Cylinder Pressure*:** 2000 PSIG

Certification Date: 03Sep2008

Exp. Date: 03Sep2010

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ACCURACY**	TRACEABILITY
CARBON DIOXIDE	5.531 %	+/- 1%	Direct NIST and VSL
CARBON MONOXIDE	125.6 PPM	+/- 1%	
NITRIC OXIDE	126.7 PPM	+/- 1%	Direct NIST and VSL
SULFUR DIOXIDE *	50.59 PPM	+/- 1%	Direct NIST and VSL
NITROGEN - OXYGEN FREE	BALANCE		
TOTAL OXIDES OF NITROGEN	126.7 PPM		Reference Value Only

*** Do not use when cylinder pressure is below 150 psig.
** Analytical accuracy is based on the requirements of EPA Protocol Procedure G1, September 1997.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMPONENT
NTRM 1800	01Mar2009	K005478	17.87 %	CARBON DIOXIDE
NTRM 2637	01Aug2009	ALM027702	2505. PPM	CARBON MONOXIDE
NTRM 1685	01Sep2010	KAL003525	247.1 PPM	NITRIC OXIDE
NTRM 1693	01Dec2011	KAL003875	50.20 PPM	SULFUR DIOXIDE

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
FTIR//0928621	07Aug2008	FTIR
VARIAN/3400/10693	02Sep2008	THERMAL CONDUCTIVITY
FTIR//0928621	28Aug2008	FTIR
FTIR//0928621	21Aug2008	FTIR

ANALYZER READINGS

(Z=Zero Gas R=Reference Gas T=Test Gas r=Correlation Coefficient)

First Triad Analysis

CARBON DIOXIDE
Date: 27Aug2008 Response Unit: %
Z1=0.00201 R1=17.81306 T1=5.51028
R2=17.81640 Z2=0.00382 T2=5.52205
Z3=0.00515 T3=5.52485 R3=17.83923
Avg. Concentration: 5.531 %

CARBON MONOXIDE
Date: 28Aug2008 Response Unit: AREA
Z1=0.00000 R1=1017686. T1=51094.00

Second Triad Analysis

Date: 04Sep2008 Response Unit: AREA
Z1=0.00000 R1=1029187. T1=50478.00

Calibration Curve

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99995E-1
Constants: A=0.00000E+0
B=9.10916E-1 C=1.17120E-2
D=0.00000E+0 E=0.00000E+0

Concentration=A+Bx+Cx2+Dx3+Ex4
r=0.999997

R2=1017641. Z2=0.00000 T2=51505.00
Z3=0.00000 T3=51603.00 R3=1023965.
Avg. Concentration: 125.0 PPM

NITRIC OXIDE

Date: 27Aug2008 Response Unit: PPM
Z1=-0.70105 R1=248.1422 T1=126.5275
R2=248.8705 Z2=-0.13325 T2=127.6669
Z3=-0.12574 T3=127.9229 R3=248.8764
Avg. Concentration: 126.7 PPM

SULFUR DIOXIDE *

Date: 27Aug2008 Response Unit: PPM
Z1=-0.05053 R1=50.31334 T1=50.67478
R2=50.33658 Z2=-0.04549 T2=50.70816
Z3=-0.03724 T3=50.79487 R3=50.35440
Avg. Concentration: 50.59 PPM

R2=1030876. Z2=0.00000 T2=50495.00
Z3=0.00000 T3=50579.00 R3=1032071.
Avg. Concentration: 126.2 PPM

Date: 03Sep2008 Response Unit: PPM
Z1=-0.52414 R1=247.9818 T1=127.3752
R2=249.1154 Z2=0.11929 T2=127.3788
Z3=0.12909 T3=127.5487 R3=249.2009
Avg. Concentration: 126.6 PPM

Date: 03Sep2008 Response Unit: PPM
Z1=-0.00910 R1=50.36045 T1=50.78603
R2=50.42107 Z2=0.02191 T2=50.81282
Z3=0.02471 T3=50.81497 R3=50.43045
Avg. Concentration: 50.60 PPM

Constants: A=3.556275
B=0.002453 C=0.000000
D=0.000000 E=0.000000

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99998E-1
Constants: A=0.00000E+0
B=9.44080E-1 C=3.90000E-5
D=0.00000E+0 E=0.00000E+0

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99998E-1
Constants: A=0.00000E+0
B=1.00342E+0 C=4.00000E-6
D=0.00000E+0 E=0.00000E+0

QUALITY ASSURANCE

APPROVED BY: Rob McCrandall
(signature on file)

UPS Delivery Notification, Tracking Number 1Z4503260175182366
UPS Quantum View
to:
skbliss
07/30/2010 11:17 AM
Please respond to auto-notify
Show Details

***Do not reply to this e-mail. UPS and Consumers Energy will not receive your reply.

At the request of Consumers Energy, this notice is to confirm that the following shipment has been delivered.

Important Delivery Information

Tracking Number: 1Z4503260175182366
Delivery Date / Time: 30-July-2010 / 10:17 AM

Delivery Location: FRONT DESK
Signed by: JACKSON

Shipment Detail

Ship To:
SHANE NIXON
MDNRE-AIR QUALITY DIVISION
120 W CHAPIN ST
CADILLAC
MI
49601
US

Number of Packages 1
UPS Service: NEXT DAY AIR
Weight: 1.1 LBS
Reference Number 1: CC110655
Reference Number 2: S. BLISS/MMT

TESFiler0001468

Consumers Energy

FILE

A CMS Energy Company

Environmental & Laboratory Services

October 28, 2010

Mr. Shane Nixon
Department of Environmental Quality
Air Quality Division
120 W. Chapin Street
Cadillac, MI 49601-2158

SUBJECT: THIRD QUARTER 2010 EMISSIONS MONITORING REPORT

Dear Mr. Nixon:

Enclosed is the Third Quarter 2010 emissions monitoring report for Boilers No. 1 and No. 2 at the T.E.S. Filer City Station (Renewable Operating Permit No. ROP MI-ROP-N1685-2008a). The report includes all information required under Federal Standards of Performance for New Stationary Sources (40 CFR 60, Subparts A, Da, and Appendix F).

This quarterly report contains the Excess Emissions Reports (EERs) and Summary Reports for Boilers No. 1 and No. 2. Please note that this report does not include the results of linearity tests conducted in accordance with 40 CFR Part 75, Appendices A and B, or cylinder gas audits (CGAs) conducted in accordance with 40 CFR Part 60, Appendix F, as Relative Accuracy Test Audits (RATAs) of the monitoring systems were performed in September of 2010. A copy of the RATA report will be sent to Ms. Karen Kajiya-Mills of the MDNRE-AQD within 45 days of the completion of testing.

Also included in this report are the results of Boilers No. 1 and No. 2 opacity monitor audits conducted in accordance with the US EPA Publication "*Technical Assistance Document – Performance Audit Procedures for Opacity Monitors*", EPA 450/4-92-010. These audits are required as part of the Boilers No. 1 and No. 2 Compliance Assurance Monitoring Plan under 40 CFR Part 64.

No construction/demolition (C/D) materials were fired in Boilers No. 1 and No. 2 during the 3rd quarter of 2010. In accordance with the currently approved C/D Waste Wood Monitoring Plan, the facility has discontinued submitting a summary of C/D waste wood sampling and inspection activities on a quarterly basis. An annual C/D summary report will be included with the quarterly report submitted for the 4th quarter of 2010.

Please contact me at (517) 788-1467 if you have any questions or require further information concerning the contents of this submittal.

Sincerely,

Jason M. Prentice

Jason Prentice
Environmental Planner
Consumers Energy Company

cc: Todd Guenthardt, TES Filer City Station
Jon Wilford, MDNRE-AQD
Filer City Compliance File-Q, SA, A File

TESFiler0001469

Consumers Energy

A CMS Energy Company

Environmental & Laboratory Services

October 28, 2010

Mr. Shane Nixon
Department of Environmental Quality
Air Quality Division
120 W. Chapin Street
Cadillac, MI 49601-2158

SUBJECT: THIRD QUARTER 2010 EMISSIONS MONITORING REPORT

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Sincerely,

Jason M. Prentice

Jason Prentice
Environmental Planner
Consumers Energy Company

cc: Todd Guenthardt, TES Filer City Station
Jon Wilford, MDNRE-AQD
Filer City Compliance File-Q, SA, A File

TESFiler0001470

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

RENEWABLE OPERATING PERMIT REPORT CERTIFICATION

Authorized by 1994 P.A. 451, as amended. Failure to provide this information may result in civil and/or criminal penalties.

Reports submitted pursuant to R 336.1213 (Rule 213), subrules (3)(c) and/or (4)(c), of Michigan's Renewable Operating Permit (ROP) program must be certified by a responsible official. Additional information regarding the reports and documentation listed below must be kept on file for at least 5 years, as specified in Rule 213(3)(b)(ii), and be made available to the Department of Environmental Quality, Air Quality Division upon request.

Source Name: T.E.S. Filer City Station
County: Manistee
Source Address: P.O. Box 12 / 700 Mee Street
City: Filer City
AQD Source ID (SRN): N1685
ROP No.: MI-ROP-N1685-2008a
ROP Section No.: N/A

Please check the appropriate box(es):

☐ **Annual Compliance Certification (Pursuant to Rule 213(4)(c))**

Reporting period (provide inclusive dates): From _____ To _____

☐ 1. During the entire reporting period, this source was in compliance with **ALL** terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference. The method(s) used to determine compliance is/are the method(s) specified in the ROP.

☐ 2. During the entire reporting period this source was in compliance with all terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference, **EXCEPT** for the deviations identified on the enclosed deviation report(s). The method used to determine compliance for each term and condition is the method specified in the ROP, unless otherwise indicated and described on the enclosed deviation report(s).

☐ **Semi-Annual (or More Frequent) Report Certification (Pursuant to Rule 213(3)(c))**

Reporting period (provide inclusive dates): From _____ To _____

☐ 1. During the entire reporting period, **ALL** monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred.

☐ 2. During the entire reporting period, all monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred, **EXCEPT** for the deviations identified on the enclosed deviation report(s).

☒ **Other Report Certification**

Reporting period (provide inclusive dates): From 07/01/2010 To 09/30/2010

Additional monitoring reports or other applicable documents required by the ROP are attached as described:

Boilers 1 and 2 Quarterly Report for the 3rd Quarter of 2010 (July – September).

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this report and the supporting enclosures are true, accurate and complete

Roger R. Burger	General Manager	231-723-6573
Name of Responsible Official (print or type)	Title	Phone Number

[signature] 10-27-10
Signature of Responsible Official — Date

EQP 5736 (Rev 10/04) TESFiler0001471

* Photocopy this form as needed.

T.E.S. FILER CITY STATION

CONTINUOUS EMISSION MONITORING QUARTERLY REPORT

SUBPART Da
(NSPS SOURCES)

Year 2010
Report Period Ending: **March 31** ___ **June 30** ___ **Sept. 30** X **Dec. 31** ___

I. GENERAL INFORMATION

1. Source: T.E.S. FILER CITY STATION

2. Address: 700 MEE STREET
FILER CITY, MICHIGAN 49634

3. Plant Phone Number: (231) 723-6573

4. Affected Facility: BOILER #1 X BOILER #2 X

5. Control Device(s): GEESI/DRY FLUE GAS DESULFERIZATION SYSTEM
GEESI/FABRIC FILTER BAGHOUSES

6. Fuel Type: Coal/Wood/TDF/Petroleum Coke/Construction & Demolition (C/D) Waste
(NOTE: Although allowed by permit, C/D wastes were not fired during the quarter)

7. Person Completing Report

(Print) Jason M. Prentice

(Signature) Jason M. Prentice

(Date) 10-28-10

This is to certify that, to the best of my knowledge, the information provided on these forms is correct and accurate.

8. Person Responsible For Review and Integrity of Report:

(Print) Roger R. Burger

(Signature)

(Date) 10-27-10

T.E.S. FILER CITY STATION

II. CONTINUOUS MONITOR OPERATIONAL DATA

	# 1 OPACITY	# 2 OPACITY	INLET #1 SO2	INLET #2 SO2	STACK #1 SO2	STACK #2 SO2	STACK #1 NOx	STACK #2 NOx	STACK #1 CO	STACK #2 CO	INLET # 1 CO2	INLET # 2 CO2	STACK # 1 CO2	STACK # 2 CO2
1. MFG:	Durag, Inc.	Durag, Inc.	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]
2. MODEL NO:	D-R 290	D-R 290	43i	43i	43i	43i	42i	42i	48i	48i	410i	410i	410i	410i
3. SERIAL NO:	425692	425693	0622717879	0622717883	0622717877	0622717880	0623017966	0623017967	0622717887	0622717888	0622717873	0622717875	0622717869	0622717874
4. Basis for Gas Measurement (wet or dry)	N / A	N / A	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET
5. F-Factor Used	N / A	N / A	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	N / A	N / A	N / A	N / A

[1] T. E. I. standards for Thermo Environmental Instruments, Inc.

6. F-Factor Method: Fuel Analyses and Method 19, Equation 19-15 and/or Method 19, Table 19-2. Please note that the fuel factors are unit specific and are based upon the relative amounts (on a heat input basis) of coal, wood, petroleum coke and tire-derived-fuel (TDF) that are fired within a given time period.

7. Ave. Time	6 Minute	6 Minute	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour
8. Zero/Span Values														
ZERO	0 %	0 %	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 %	0 %	0 %	0 %
SPAN	45 %	45 %	2,000 PPM	2,000 PPM	H: 1,500 PPM [1] L: 200 PPM [1]	H: 1,500 PPM [1] L: 200 PPM [1]	500 PPM	500 PPM	500 PPM	500 PPM	20.0 %	20.0 %	20.0 %	20.0 %

[1] The span values for the SO_2 Stack CEMS were revised from 2,000 ppm for the high span and 500 ppm for the low span just prior to the September 2008 Part 75 certification tests. The revised high and low span values were determined in accordance with sections 2.1.1.3 and 2.1.1.4 of Appendix A to 40 CFR Part 75.

T.E.S. FILER CITY STATION

II. CONTINUOUS MONITOR OPERATIONAL DATA

	Monitoring System	RATA	7-Day Calibration Drift Test	Cycle-time Test	COMS Field Audit Test	COMS 168-hr Operational Test
9. Date of Last Performance Specification Test Passed	Boiler 1 Gas CEMS	09/21/2010	10/31/2006 (Stk SO_2 = 09/25/08)	10/18/2006 (Stk SO_2 = 10/03/08)	N/A	N/A
	Boiler 1 COMS	N/A	N/A	N/A	09/27/2010	10/26/2006
	Boiler 2 Gas CEMS	09/22/2010	10/31/2006 (Stk SO_2 = 09/25/08)	10/23/2006 (Stk SO_2 = 10/03/08)	N/A	N/A
	Boiler 2 COMS	N/A	N/A	N/A	09/27/2010	11/01/2006

	# 1 OPACITY	# 2 OPACITY	INLET #1 SO2	INLET #2 SO2	STACK #1 SO2	STACK #2 SO2	STACK #1 NOx	STACK #2 NOx	STACK #1 CO	STACK #2 CO	INLET # 2 CO2	INLET # 2 CO2	STACK #1 CO2	STACK # 2 CO2
10. Modification Since Last PST Date (10-06; 9-08)	NONE	NONE	NONE	NONE	NONE (Changed high & low span values)	NONE (Changed high & low span values)	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
11. Emission Limits (Averaging Period)	10 % (6-Min)	10 % (6-Min)	N / A	N / A	0.7 lb/mm Btu (24-Hr) 0.5 lb/mm Btu (30-Day)	0.7 lb/mm Btu (24-Hr) 0.5 lb/mm Btu (30-Day)	0.6 lb/mm Btu (30-Day)	0.6 lb/mm Btu (30-Day)	0.3 lb/mm Btu (24-Hour)	0.3 lb/mm Btu (24-Hour)	N / A	N / A	N / A	N / A

T.E.S. FILER CITY STATION

III. MONITORING AND COMPLIANCE SUMMARY (per 40 CFR 60.51a(h))

	YES	NO	REF.
1. Were the required continuous monitoring systems calibrated, span, and drift checks or other periodic audits performed as specified?	X		
2. Were the data used to show compliance obtained in accordance with approved methods and procedures of Subpart Da?	X		
3. Are the data representative of plant performance?	X		
4. Were the minimum data requirements met? If no, were they not met due to unavoidable errors?	X		
5. Was compliance with the standards achieved during the reporting period?		X	
Boiler #1			
SO_2 Stack Limit 0.7 lb/MMBTU 24 Hour	X		
SO_2 Stack Limit 0.5 lb/MMBTU 30 Day	X		
SO_2 90% Reduction 30 Day	X		
NO_x Stack Limit 0.6 lb/MMBTU 30 Day	X		
Opacity Limit >10% 6 Minute Average		X	
Boiler #2			
SO_2 Stack Limit 0.7 lb/MMBTU 24 Hour	X		
SO_2 Stack Limit 0.5 lb/MMBTU 30 Day	X		
SO_2 90% Reduction 30 Day	X		
NO_x Stack Limit 0.6 lb/MMBTU 30 Day	X		
Opacity Limit >10% 6 Minute Average		X	

T.E.S. FILER CITY STATION

V. EXCESS EMISSION REPORT - SO_2 AND NO_x

SO_2 EVENTS (30 Day Rolling Average Limit of 0.5 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

SO_2 EVENTS (24 Hour Average Limit of 0.7 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

SO_2 EVENTS (30 Day Rolling Average Limit of SO_2 Percent Reduction: Limit=90%)

Date(s) Occurred	Boiler No.	Value (% removal)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

NO_x EVENTS (30 Day Rolling Average Limit of 0.60 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

OPACITY EVENTS (Excess Emission Notification >10%, 6-Min. Average, for ≥ 2 Hours)

Date(s) Occurred	Boiler No.	Value (% opacity)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

NOTE: All six minute periods during which the average opacity exceeds 10% are identified in the attached monthly "Excess Emissions Report" for Boiler #1 and Boiler #2.

VI. QUALITY ASSURANCE DATA

1a. OUT-OF-CONTROL ASSESSMENT INFORMATION

BOILER # 1

INLET CO2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717873	None	N / A	N / A

STACK CO2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717869	None	N / A	N / A

INLET SO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717879	None	N / A	N / A

STACK SO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717877	None	N / A	N / A

T.E.S. FILER CITY STATION

STACK NO_X METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 42i – 0623017966	None	N / A	N / A

OPACITY METER

Meter	Date(s) Occurred	Description	Corrective Action
D-R 290 – 425692	None	N / A	N / A

2a. Other operating days for which data has not been obtained (18 hrs) or excluded from calculation of average emission rates:

Boiler #1

Date(s) Occurred	Description	Corrective Action
None	N / A	N / A

3a. OUT-OF-CONTROL ASSESSMENT INFORMATION

Any Boiler 1 CEMS and COMS out-of-control (OOC) periods are generally associated with equipment replacements or excessive calibration drift (CD) error, and they are summarized in Section VI.1a of this report. During this quarter, there were no OOC periods associated with Relative Accuracy Test Audits (RATAs), Cylinder Gas Audits (CGAs), Linearity Tests or CD Error Tests.

When applicable, the duration of each OOC period is summarized in the quarterly report document titled "Downtime Report". The information provided in Section VI.1a of this report provides a summary of the OOC period corrective actions. When required, the corrective actions result in the CDs (or relative accuracies) being within the allowed limits.

T.E.S. FILER CITY STATION

1b. OUT-OF-CONTROL ASSESSMENT INFORMATION

BOILER # 2

INLET CO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717875	07/05/2010, Hr 02	Excess analyzer drift resulted in an out-of-control (OOC) period.	Calibrated the analyzer and ran a passing calibration error test.

STACK CO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717874	07/05/2010, Hr 02	Excess analyzer drift resulted in an out-of-control (OOC) period.	Calibrated the analyzer and ran a passing calibration error test.

INLET SO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717883	07/05/2010, Hr 02	Excess analyzer drift resulted in an out-of-control (OOC) period.	Calibrated the analyzer and ran a passing calibration error test.

STACK SO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717880	07/05/2010, Hr 02	Excess analyzer drift resulted in an out-of-control (OOC) period.	Calibrated the analyzer and ran a passing calibration error test.

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STACK NO_X METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 42i – 0623017967	07/05/2010, Hr 02	Excess analyzer drift resulted in an out-of-control (OOC) period.	Calibrated the analyzer and ran a passing calibration error test.

OPACITY METER

Meter	Date(s) Occurred	Description	Corrective Action
D-R 290 – 425693	None	N / A	N / A

2b. Other operating days for which data has not been obtained (18 hrs) or excluded from calculation of average emission rates:

Boiler #2

Date(s) Occurred	Description	Corrective Action
None	N / A	N / A

3b. OUT-OF-CONTROL ASSESSMENT INFORMATION

Any Boiler 2 CEMS and COMS out-of-control (OOC) periods are generally associated with equipment replacements or excessive calibration drift (CD) error, and they are summarized in Section VI.1b of this report. During this quarter, there were no OOC periods associated with Relative Accuracy Test Audits (RATAs), Cylinder Gas Audits (CGAs) or Linearity Tests. However, there was one OOC period for each gas analyzer during this quarter (associated with excessive calibration error drift). Descriptions of the cause(s) of these OOC periods are contained in Section VI.1b of this report.

When applicable, the duration of each OOC period is summarized in the quarterly report document titled "Downtime Report". The information provided in Section VI.1b of this report provides a summary of the OOC period corrective actions. When required, the corrective actions result in the CDs (or relative accuracies) being within the allowed limits.

T.E.S. FILER CITY STATION

4. Full Scale Exceedance: Identification of times when pollutant concentration exceeds full span of the continuous monitoring system.

Date(s) Occurred	Boiler No.	Description	Corrective Action
None	1	N / A	N / A
None	2	N / A	N / A

TES FILER CITY STATION
AIR EMISSION SUMMARY

JULY 2010

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			SULFUR DIOXIDE <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			SULFUR DIOXIDE >90% SO2 REDUCTION LIMIT 30 DAY AVE			NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	44628 /	44640	99.97%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
YTD			99.97%			99.56%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	44598 /	44640	99.91%	496.0 /	496.0	100.00%	496.0 /	496.0	100.00%	496.0 /	496.0	100.00%	496.0 /	496.0	100.00%
YTD			99.91%			99.34%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH
24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING
ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

TES FILER CITY STATION
AIR EMISSION SUMMARY

AUGUST 2010

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			SULFUR DIOXIDE <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			SULFUR DIOXIDE >90% SO2 REDUCTION LIMIT 30 DAY AVE			NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	43908 /	43932	99.95%	637.0 /	637.0	100.00%	637.0 /	637.0	100.00%	637.0 /	637.0	100.00%	637.0 /	637.0	100.00%
YTD			99.97%			99.61%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	44604 /	44640	99.92%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
YTD			99.91%			99.44%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH
24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING
ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

TES FILER CITY STATION
AIR EMISSION SUMMARY

SEPTEMBER 2010

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			SULFUR DIOXIDE <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			SULFUR DIOXIDE >90% SO2 REDUCTION LIMIT 30 DAY AVE			NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	43200 /	43200	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%
YTD			99.97%			99.66%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HR	BLR FIRING HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP	COMP HR	OP DAY HR	% IN COMP
MONTH	43188 /	43200	99.97%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%
YTD			99.92%			99.50%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH
24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING
ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

TES FILER CITY STATION
AIR EMISSION SUMMARY

3rd QUARTER 2010

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			SULFUR DIOXIDE <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			SULFUR DIOXIDE >90% SO2 REDUCTION LIMIT 30 DAY AVE			NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
JUL	44628 /	44640	99.97%	744 /	744	100.00%	744 /	744	100.00%	744 /	744	100.00%	744 /	744	100.00%
AUG	43908 /	43932	99.95%	637 /	637	100.00%	637 /	637	100.00%	637 /	637	100.00%	637 /	637	100.00%
SEP	43200 /	43200	100.00%	720 /	720	100.00%	720 /	720	100.00%	720 /	720	100.00%	720 /	720	100.00%
3rd Quarter	131736 /	131772	99.97%	2101 /	2101	100.00%	2101 /	2101	100.00%	2101 /	2101	100.00%	2101 /	2101	100.00%
YTD			99.97%			99.66%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
JUL	44598 /	44640	99.91%	496 /	496	100.00%	496 /	496	100.00%	496 /	496	100.00%	496 /	496	100.00%
AUG	44604 /	44640	99.92%	744 /	744	100.00%	744 /	744	100.00%	744 /	744	100.00%	744 /	744	100.00%
SEP	43188 /	43200	99.97%	720 /	720	100.00%	720 /	720	100.00%	720 /	720	100.00%	720 /	720	100.00%
3rd Quarter	132390 /	132480	99.93%	1960 /	1960	100.00%	1960 /	1960	100.00%	1960 /	1960	100.00%	1960 /	1960	100.00%
YTD			99.92%			99.50%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH
24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING
ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

CEMS Daily Averages - 07/01/10 To 09/30/10

Source: Boiler 1

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Period: 07/01/10 00:00:00 To 09/30/10 23:59:59; Records = 92

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	Blr 1&2 SO2 Tons	Vld
07/01/10	24	0.461	30	0.166	24	0.190	30	92.58	30	1.50	24
07/02/10	24	0.459	30	0.224	24	0.190	30	92.60	30	2.26	24
07/03/10	24	0.457	30	0.186	24	0.190	30	92.61	30	1.54	24
07/04/10	24	0.455	30	0.141	24	0.188	30	92.68	30	0.69	24
07/05/10	24	0.455	30	0.139	24	0.186	30	92.75	30	1.38	23
07/06/10	24	0.453	30	0.165	24	0.186	30	92.75	30	1.53	24
07/07/10	24	0.451	30	0.112	24	0.183	30	92.87	30	1.12	24
07/08/10	24	0.450	30	0.142	24	0.180	30	92.93	30	1.44	24
07/09/10	24	0.448	30	0.141	24	0.177	30	93.03	30	1.43	24
07/10/10	24	0.446	30	0.127	24	0.173	30	93.15	30	1.35	24
07/11/10	24	0.444	30	0.115	24	0.170	30	93.24	30	1.24	24
07/12/10	24	0.444	30	0.131	24	0.169	30	93.25	30	1.25	24
07/13/10	24	0.444	30	0.152	24	0.169	30	93.21	30	1.43	24
07/14/10	24	0.443	30	0.103	24	0.165	30	93.33	30	0.87	24
07/15/10	24	0.442	30	0.213	24	0.166	30	93.26	30	1.90	24
07/16/10	24	0.442	30	0.204	24	0.166	30	93.23	30	1.99	24
07/17/10	24	0.442	30	0.196	24	0.167	30	93.20	30	1.88	24
07/18/10	24	0.442	30	0.174	24	0.168	30	93.16	30	0.91	24
07/19/10	24	0.443	30	0.141	24	0.168	30	93.12	30	0.71	24
07/20/10	24	0.444	30	0.204	24	0.170	30	93.05	30	1.03	24
07/21/10	24	0.444	30	0.178	24	0.170	30	93.00	30	0.90	24
07/22/10	24	0.444	30	0.146	24	0.170	30	92.99	30	0.74	24
07/23/10	24	0.443	30	0.171	24	0.170	30	92.93	30	0.86	24
07/24/10	24	0.441	30	0.127	24	0.168	30	92.99	30	0.64	24
07/25/10	24	0.440	30	0.194	24	0.168	30	92.94	30	0.98	24
07/26/10	24	0.440	30	0.189	24	0.168	30	92.90	30	0.95	24
07/27/10	24	0.439	30	0.169	24	0.166	30	92.90	30	1.21	23
07/28/10	24	0.438	30	0.145	24	0.164	30	92.96	30	1.66	24
07/29/10	24	0.438	30	0.136	24	0.162	30	93.02	30	1.45	24
07/30/10	24	0.438	30	0.157	24	0.160	30	93.07	30	1.67	24
07/31/10	24	0.438	30	0.143	24	0.159	30	93.09	30	1.52	24
08/01/10	24	0.437	30	0.221	24	0.159	30	92.94	30	1.63	24
08/02/10	0	0.437	30	0.000	00	0.159	30	92.94	30	1.07	24
08/03/10	0	0.437	30	0.000	00	0.159	30	92.94	30	1.24	24
08/04/10	0	0.437	30	0.000	00	0.159	30	92.94	30	1.18	24
08/05/10	0	0.437	30	0.000	00	0.159	30	92.94	30	1.20	24

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	Blr 1&2 SO2 Tons	Vld
08/06/10	13	0.437	30	0.143	12	0.159	30	92.94	30	1.41	23
08/07/10	24	0.437	30	0.090	24	0.156	30	93.05	30	1.29	24
08/08/10	24	0.437	30	0.228	24	0.158	30	92.95	30	2.27	24
08/09/10	24	0.436	30	0.191	24	0.160	30	92.88	30	2.10	24
08/10/10	24	0.435	30	0.173	24	0.160	30	92.85	30	1.62	24
08/11/10	24	0.434	30	0.151	24	0.162	30	92.79	30	1.65	24
08/12/10	24	0.432	30	0.134	24	0.162	30	92.82	30	1.48	24
08/13/10	24	0.431	30	0.155	24	0.162	30	92.81	30	1.67	24
08/14/10	24	0.429	30	0.136	24	0.162	30	92.80	30	1.34	24
08/15/10	24	0.429	30	0.175	24	0.164	30	92.72	30	1.76	24
08/16/10	24	0.429	30	0.189	24	0.166	30	92.67	30	1.68	24
08/17/10	24	0.429	30	0.212	24	0.168	30	92.63	30	3.08	24
08/18/10	24	0.429	30	0.159	24	0.170	30	92.58	30	1.41	24
08/19/10	24	0.429	30	0.181	24	0.169	30	92.65	30	1.83	24
08/20/10	24	0.429	30	0.212	24	0.169	30	92.66	30	2.10	24
08/21/10	24	0.427	30	0.171	24	0.168	30	92.69	30	1.78	24
08/22/10	24	0.427	30	0.162	24	0.168	30	92.71	30	1.82	24
08/23/10	24	0.428	30	0.202	24	0.170	30	92.67	30	2.17	24
08/24/10	24	0.428	30	0.269	24	0.172	30	92.66	30	2.62	24
08/25/10	24	0.429	30	0.242	24	0.174	30	92.66	30	2.28	24
08/26/10	24	0.430	30	0.232	24	0.177	30	92.61	30	2.36	24
08/27/10	24	0.431	30	0.226	24	0.179	30	92.59	30	2.37	24
08/28/10	24	0.433	30	0.211	24	0.182	30	92.53	30	1.92	24
08/29/10	24	0.433	30	0.192	24	0.182	30	92.61	30	1.78	24
08/30/10	24	0.433	30	0.215	24	0.183	30	92.65	30	2.08	24
08/31/10	24	0.433	30	0.277	24	0.186	30	92.59	30	2.72	24
09/01/10	24	0.433	30	0.231	24	0.189	30	92.53	30	2.34	24
09/02/10	24	0.432	30	0.203	24	0.191	30	92.51	30	2.05	24
09/03/10	24	0.431	30	0.235	24	0.194	30	92.46	30	1.93	24
09/04/10	24	0.432	30	0.294	24	0.199	30	92.32	30	2.60	24
09/05/10	24	0.434	30	0.217	24	0.199	30	92.48	30	1.88	24
09/06/10	24	0.435	30	0.188	24	0.202	30	92.35	30	1.84	24
09/07/10	24	0.436	30	0.183	24	0.201	30	92.41	30	1.79	24
09/08/10	24	0.438	30	0.168	24	0.200	30	92.46	30	1.83	24
09/09/10	24	0.440	30	0.177	24	0.200	30	92.49	30	1.89	24
09/10/10	24	0.440	30	0.234	24	0.203	30	92.40	30	2.22	24
09/11/10	24	0.441	30	0.194	24	0.205	30	92.35	30	1.75	24
09/12/10	24	0.442	30	0.171	24	0.205	30	92.34	30	1.69	24
09/13/10	24	0.444	30	0.169	24	0.206	30	92.31	30	1.77	24
09/14/10	24	0.445	30	0.213	24	0.208	30	92.29	30	2.25	24

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	Blr 1&2 SO2 Tons	Vld
09/15/10	24	0.445	30	0.186	24	0.208	30	92.30	30	1.91	24
09/16/10	24	0.445	30	0.224	24	0.208	30	92.29	30	2.24	24
09/17/10	24	0.444	30	0.245	24	0.211	30	92.19	30	2.32	24
09/18/10	24	0.444	30	0.220	24	0.212	30	92.13	30	2.13	24
09/19/10	24	0.444	30	0.178	24	0.211	30	92.17	30	1.93	24
09/20/10	24	0.445	30	0.177	24	0.211	30	92.16	30	1.94	24
09/21/10	24	0.444	30	0.298	24	0.216	30	91.99	30	2.33	24
09/22/10	24	0.444	30	0.116	24	0.213	30	92.08	30	2.31	24
09/23/10	24	0.445	30	0.205	24	0.211	30	92.14	30	1.98	24
09/24/10	24	0.445	30	0.281	24	0.212	30	92.08	30	2.59	24
09/25/10	24	0.446	30	0.248	24	0.213	30	92.05	30	2.31	24
09/26/10	24	0.447	30	0.239	24	0.213	30	92.02	30	2.16	24
09/27/10	24	0.448	30	0.215	24	0.213	30	91.99	30	2.13	24
09/28/10	24	0.449	30	0.229	24	0.214	30	91.91	30	2.34	24
09/29/10	24	0.450	30	0.199	24	0.214	30	91.89	30	2.14	24
09/30/10	24	0.452	30	0.233	24	0.212	30	91.92	30	2.08	24

CEMS Daily Averages - 07/01/10 To 09/30/10

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Period: 07/01/10 00:00:00 To 09/30/10 23:59:59; Records = 92

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	
07/01/10	24	0.395	30	0.134	24	0.191	30	92.64	30	0.00
07/02/10	24	0.394	30	0.232	24	0.190	30	92.64	30	0.00
07/03/10	24	0.391	30	0.126	24	0.187	30	92.75	30	0.00
07/04/10	0	0.391	30	0.000	00	0.187	30	92.75	30	0.00
07/05/10	22	0.391	30	0.530	21	0.187	30	92.75	30	0.00
07/06/10	24	0.391	30	0.143	24	0.185	30	92.80	30	0.00
07/07/10	24	0.391	30	0.114	24	0.182	30	92.91	30	0.00
07/08/10	24	0.391	30	0.147	24	0.180	30	92.95	30	0.00
07/09/10	24	0.390	30	0.147	24	0.177	30	93.02	30	0.00
07/10/10	24	0.389	30	0.146	24	0.174	30	93.10	30	0.00
07/11/10	24	0.389	30	0.137	24	0.172	30	93.14	30	0.00
07/12/10	24	0.387	30	0.123	24	0.169	30	93.22	30	0.00
07/13/10	24	0.387	30	0.137	24	0.166	30	93.27	30	0.00
07/14/10	24	0.387	30	0.073	24	0.163	30	93.37	30	0.00
07/15/10	24	0.386	30	0.177	24	0.164	30	93.30	30	0.00
07/16/10	24	0.386	30	0.199	24	0.165	30	93.24	30	0.00
07/17/10	24	0.386	30	0.186	24	0.164	30	93.24	30	0.00
07/18/10	2	0.386	30	0.163	02	0.164	30	93.24	30	0.00
07/19/10	0	0.386	30	0.000	00	0.164	30	93.24	30	0.00
07/20/10	0	0.386	30	0.000	00	0.164	30	93.24	30	0.00
07/21/10	0	0.386	30	0.000	00	0.164	30	93.24	30	0.00
07/22/10	0	0.386	30	0.000	00	0.164	30	93.24	30	0.00
07/23/10	0	0.386	30	0.000	00	0.164	30	93.24	30	0.00
07/24/10	0	0.386	30	0.000	00	0.164	30	93.24	30	0.00
07/25/10	0	0.386	30	0.000	00	0.164	30	93.24	30	0.00
07/26/10	0	0.386	30	0.000	00	0.164	30	93.24	30	0.00
07/27/10	16	0.386	30	0.252	15	0.164	30	93.24	30	0.00
07/28/10	24	0.385	30	0.193	24	0.166	30	93.17	30	0.00
07/29/10	24	0.384	30	0.160	24	0.167	30	93.14	30	0.00
07/30/10	24	0.383	30	0.184	24	0.166	30	93.22	30	0.00
07/31/10	24	0.381	30	0.170	24	0.166	30	93.21	30	0.00
08/01/10	24	0.380	30	0.195	24	0.169	30	93.15	30	0.00
08/02/10	24	0.379	30	0.213	24	0.170	30	93.12	30	0.00
08/03/10	24	0.377	30	0.247	24	0.171	30	93.10	30	0.00
08/04/10	24	0.376	30	0.241	24	0.174	30	93.02	30	0.00
08/05/10	24	0.373	30	0.247	24	0.176	30	92.99	30	0.00

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	
08/06/10	24	0.372	30	0.265	24	0.178	30	92.93	30	0.00
08/07/10	24	0.371	30	0.178	24	0.177	30	92.98	30	0.00
08/08/10	24	0.369	30	0.241	24	0.179	30	92.95	30	0.00
08/09/10	24	0.368	30	0.239	24	0.179	30	92.96	30	0.00
08/10/10	24	0.367	30	0.159	24	0.177	30	93.01	30	0.00
08/11/10	24	0.367	30	0.189	24	0.178	30	92.97	30	0.00
08/12/10	24	0.366	30	0.170	24	0.179	30	92.92	30	0.00
08/13/10	24	0.366	30	0.191	24	0.178	30	92.95	30	0.00
08/14/10	24	0.367	30	0.143	24	0.179	30	92.92	30	0.00
08/15/10	24	0.367	30	0.192	24	0.180	30	92.86	30	0.00
08/16/10	24	0.367	30	0.156	24	0.182	30	92.81	30	0.00
08/17/10	24	0.366	30	0.419	24	0.191	30	92.46	30	0.00
08/18/10	24	0.365	30	0.126	24	0.190	30	92.51	30	0.00
08/19/10	24	0.364	30	0.189	24	0.191	30	92.48	30	0.00
08/20/10	24	0.363	30	0.213	24	0.194	30	92.40	30	0.00
08/21/10	24	0.361	30	0.188	24	0.196	30	92.34	30	0.00
08/22/10	24	0.360	30	0.202	24	0.198	30	92.28	30	0.00
08/23/10	24	0.359	30	0.233	24	0.204	30	92.12	30	0.00
08/24/10	24	0.359	30	0.260	24	0.206	30	92.09	30	0.00
08/25/10	24	0.359	30	0.220	24	0.207	30	92.13	30	0.00
08/26/10	24	0.358	30	0.244	24	0.209	30	92.11	30	0.00
08/27/10	24	0.359	30	0.253	24	0.211	30	92.07	30	0.00
08/28/10	24	0.359	30	0.179	24	0.212	30	92.06	30	0.00
08/29/10	24	0.359	30	0.168	24	0.211	30	92.09	30	0.00
08/30/10	24	0.360	30	0.206	24	0.212	30	92.06	30	0.00
08/31/10	24	0.360	30	0.276	24	0.215	30	91.98	30	0.00
09/01/10	24	0.361	30	0.248	24	0.216	30	91.95	30	0.00
09/02/10	24	0.361	30	0.224	24	0.215	30	92.00	30	0.00
09/03/10	24	0.362	30	0.173	24	0.213	30	92.10	30	0.00
09/04/10	24	0.364	30	0.248	24	0.213	30	92.11	30	0.00
09/05/10	24	0.365	30	0.176	24	0.210	30	92.20	30	0.00
09/06/10	24	0.366	30	0.196	24	0.211	30	92.16	30	0.00
09/07/10	24	0.368	30	0.188	24	0.209	30	92.22	30	0.00
09/08/10	24	0.369	30	0.210	24	0.208	30	92.26	30	0.00
09/09/10	24	0.371	30	0.213	24	0.210	30	92.20	30	0.00
09/10/10	24	0.372	30	0.225	24	0.211	30	92.17	30	0.00
09/11/10	24	0.372	30	0.170	24	0.211	30	92.18	30	0.00
09/12/10	24	0.374	30	0.178	24	0.211	30	92.21	30	0.00
09/13/10	24	0.375	30	0.204	24	0.213	30	92.14	30	0.00
09/14/10	24	0.376	30	0.254	24	0.215	30	92.09	30	0.00

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	
09/15/10	24	0.377	30	0.208	24	0.216	30	92.04	30	0.00
09/16/10	24	0.376	30	0.235	24	0.210	30	92.31	30	0.00
09/17/10	24	0.377	30	0.226	24	0.213	30	92.18	30	0.00
09/18/10	24	0.377	30	0.211	24	0.214	30	92.14	30	0.00
09/19/10	24	0.378	30	0.211	24	0.214	30	92.14	30	0.00
09/20/10	24	0.379	30	0.217	24	0.215	30	92.11	30	0.00
09/21/10	24	0.379	30	0.190	24	0.215	30	92.14	30	0.00
09/22/10	24	0.380	30	0.365	24	0.219	30	91.94	30	0.00
09/23/10	24	0.380	30	0.214	24	0.218	30	92.00	30	0.00
09/24/10	24	0.380	30	0.268	24	0.219	30	91.94	30	0.00
09/25/10	24	0.381	30	0.234	24	0.219	30	91.94	30	0.00
09/26/10	24	0.382	30	0.210	24	0.217	30	91.97	30	0.00
09/27/10	24	0.384	30	0.226	24	0.219	30	91.91	30	0.00
09/28/10	24	0.385	30	0.257	24	0.222	30	91.79	30	0.00
09/29/10	24	0.387	30	0.249	24	0.223	30	91.71	30	0.00
09/30/10	24	0.389	30	0.205	24	0.221	30	91.76	30	0.00

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 Opacity

Emission Limitation: 10

Reporting Period Dates: From 7/01/2010 To 9/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/15/08

Total Source Operating Time in Reporting Period: 21962 periods

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	32	0.15
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	32	0.15

Durations in 6-minute periods

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	1	0.00
2. Control Equip Problems	3	0.01
3. Process Problems	2	0.01
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	6	0.03

Durations in 6-minute periods

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	10-28-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 NOx lb/mmBtu 30-Day

Emission Limitation: 0.60

Reporting Period Dates: From 7/01/2010 To 9/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2101 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO2 lb/mmBtu 24-Hr

Emission Limitation: 0.7

Reporting Period Dates: From 7/01/2010 To 9/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/19/10

Total Source Operating Time in Reporting Period: 2101 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	10-28-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO2 lb/mmBtu 30-Day

Emission Limitation: 0.5

Reporting Period Dates: From 7/01/2010 To 9/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/19/10

Total Source Operating Time in Reporting Period: 2101 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	0	0.00

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M Prentice	Env. Planner	10-28-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO2 Reduction 30-Day

Emission Limitation: 90

Reporting Period Dates: From 7/01/2010 To 9/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/19/10

Total Source Operating Time in Reporting Period: 2101 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	1	0.05
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	1	0.05

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....		

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M Prentice	Env. Planner	10-28-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boilers Total SO2 Tons

Emission Limitation: 6.45

Reporting Period Dates: From 7/01/2010 To 9/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boilers

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:	1	0.05
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	1	0.05
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	2	0.09
2. Total CEMS Downtime		

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:	0	0.00
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....		

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	10-28-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 CO lb/mmBtu 8-Hr

Emission Limitation: 0.3

Reporting Period Dates: From 7/01/2010 To 9/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2101 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime		

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	29	1.38
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	29	1.38

Note: These exceedances are based on an outdated CO emission limit. There were no exceedances of the current CO lb/mmBtu emission limit which became effective 06/29/2010. Refer to the associated "Excess Emissions Report" for additional details.

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	10-28-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 CO lb/hr 8-Hr

Emission Limitation: 115.2

Reporting Period Dates: From 7/01/2010 To 9/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2101 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime		

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	13	0.62
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	13	0.62

Note: These exceedances are based on an outdated CO emission limit. There were no exceedances of the current CO lbs/hr emission limit which became effective 06/29/2010. Refer to the associated "Excess Emissions Report" for additional details.

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env Planner	10-28-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 Opacity

Emission Limitation: 10

Reporting Period Dates: From 7/01/2010 To 9/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/15/08

Total Source Operating Time in Reporting Period: 22080 periods

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	26	0.12
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	26	0.12

Durations in 6-minute periods

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	6	0.03
2. Control Equip Problems	6	0.03
3. Process Problems	3	0.01
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	15	0.07

Durations in 6-minute periods

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	10-28-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 NOx lb/mmBtu 30-Day

Emission Limitation: 0.60

Reporting Period Dates: From 7/01/2010 To 9/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 1960 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	1	0.05
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	2	0.10

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	10-28-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 SO2 lb/mmBtu 24-Hr

Emission Limitation: 0.7

Reporting Period Dates: From 7/01/2010 To 9/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 08/19/10

Total Source Operating Time in Reporting Period: 1960 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	1	0.05
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	2	0.10

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	10-28-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 SO2 lb/mmBtu 30-Day

Emission Limitation: 0.5

Reporting Period Dates: From 7/01/2010 To 9/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 08/19/10

Total Source Operating Time in Reporting Period: 1960 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	1	0.05
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	2	0.10

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M Prentice	Jason M. Prentice	Env. Planner	10-28-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 SO2 Reduction 30-Day

Emission Limitation: 90

Reporting Period Dates: From 7/01/2010 To 9/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 08/19/10

Total Source Operating Time in Reporting Period: 1960 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	1	0.05
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	2	0.10

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	10-28-10
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 CO lb/mmBtu 8-Hr

Emission Limitation: 0.3

Reporting Period Dates: From 7/01/2010 To 9/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 1960 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	1	0.05
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	2	0.10

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	22	1.12
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	22	1.12

Note: These exceedances are based on an outdated CO emission limit. There were no exceedances of the current CO lb/mmBtu emission limit which became effective 06/29/2010. Refer to the associated "Excess Emissions Report" for additional details.

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

Jason M. Prentice Jason M. Prentice Env. Planner 10-28-10

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 CO lb/hr 8-Hr

Emission Limitation: 115.2

Reporting Period Dates: From 7/01/2010 To 9/30/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 1960 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	1	0.05
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	2	0.10

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions(2)
1. Startup/Shutdown	6	0.31
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	6	0.31

Note: These exceedances are based on an outdated CO emission limit. There were no exceedances of the current CO lbs/hr emission limit which became effective 06/29/2010. Refer to the associated "Excess Emissions Report" for additional details.

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	10-28-10
NAME	SIGNATURE	TITLE	DATE

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Opacity

Data in the Reporting Period: 07/01/10 to 09/30/10

Incid. No.	Start Date	End Date	Duration Periods	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	09/17/10 10:00:38	09/17/10 10:23:37	4	15=Preventative Maintenance	3=Quality Assurance Calibrations	Annual maintenance of the opacity equipment
2	09/17/10 10:48:37	09/17/10 11:53:37	11	15=Preventative Maintenance	3=Quality Assurance Calibrations	Annual maintenance of the opacity equipment
3	09/27/10 10:18:43	09/27/10 11:35:35	13	15=Preventative Maintenance	3=Quality Assurance Calibrations	Opacity RATA
4	09/27/10 12:12:39	09/27/10 12:35:35	4	15=Preventative Maintenance	3=Quality Assurance Calibrations	Opacity RATA

Total Downtime in the Reporting Period = 32 Periods , Data Availability for this Reporting Period = 99.85 %

Total Operating Time in the Reporting Period = 21962 Periods

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: NOx CEMS

Data in the Reporting Period: 07/01/10 to 09/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2101 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 CEMS

Data in the Reporting Period: 07/01/10 to 09/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2101 hours

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: CO CEMS

Data in the Reporting Period: 07/01/10 to 09/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2101 hours

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: CO2 Analyzer

Data in the Reporting Period: 07/01/10 to 09/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2101 hours

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: Flow Analyzer

Data in the Reporting Period: 07/01/10 to 09/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2101 hours

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: Inlet SO2 CEMS

Data in the Reporting Period: 07/01/10 to 09/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	07/27/10 13:00:40	07/27/10 13:59:40	1	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Installed rebuild kit in the vacuum pump.

Total Downtime in the Reporting Period = 1 hours , Data Availability for this Reporting Period = 99.95 %

Total Operating Time in the Reporting Period = 2101 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Inlet CO2 Analyzer

Data in the Reporting Period: 07/01/10 to 09/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2101 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Opacity

Data in the Reporting Period: 07/01/10 to 09/30/10

Incid. No.	Start Date	End Date	Duration Periods	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	09/17/10 10:24:37	09/17/10 10:59:36	6	15=Preventative Maintenance	3=Quality Assurance Calibrations	Annual maintenance of opacity equipment.
2	09/17/10 11:54:36	09/17/10 12:17:36	4	15=Preventative Maintenance	3=Quality Assurance Calibrations	Annual maintenance of the opacity equipment.
3	09/27/10 10:54:36	09/27/10 11:41:38	8	15=Preventative Maintenance	3=Quality Assurance Calibrations	Opacity RATA
4	09/27/10 12:30:39	09/27/10 13:17:36	8	15=Preventative Maintenance	3=Quality Assurance Calibrations	Opacity RATA

Total Downtime in the Reporting Period = 26 Periods , Data Availability for this Reporting Period = 99.88 %

Total Operating Time in the Reporting Period = 22080 Periods

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Parameter: NOx CEMS

Data in the Reporting Period: 07/01/10 to 09/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	07/05/10 02:00:36	07/05/10 02:59:36	1	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Preformed Manual calibration for unit startup.
2	07/27/10 08:00:37	07/27/10 08:59:37	1	21=Blowback	3=Quality Assurance Calibrations	Periodic tests by system.

Total Downtime in the Reporting Period = 2 hours , Data Availability for this Reporting Period = 99.90 %

Total Operating Time in the Reporting Period = 1960 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 CEMS

Data in the Reporting Period: 07/01/10 to 09/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	07/05/10 02:00:36	07/05/10 02:59:36	1	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Preformed manual calibration for unit startup.
2	07/27/10 08:00:37	07/27/10 08:59:37	1	21=Blowback	3=Quality Assurance Calibrations	Periodic testing by system

Total Downtime in the Reporting Period = 2 hours , Data Availability for this Reporting Period = 99.90 %

Total Operating Time in the Reporting Period = 1960 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO CEMS

Data in the Reporting Period: 07/01/10 to 09/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	07/05/10 02:00:36	07/05/10 02:59:36	1	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Preformed manual calibration for Unit startup
2	07/27/10 08:00:37	07/27/10 08:59:37	1	21=Blowback	3=Quality Assurance Calibrations	Periodic testing by system

Total Downtime in the Reporting Period = 2 hours , Data Availability for this Reporting Period = 99.90 %

Total Operating Time in the Reporting Period = 1960 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO2 Analyzer

Data in the Reporting Period: 07/01/10 to 09/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	07/05/10 02:00:36	07/05/10 02:59:36	1	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Preformed manual calibration for Unit startup
2	07/27/10 08:00:37	07/27/10 08:59:37	1	21=Blowback	3=Quality Assurance Calibrations	Periodic testing by system.

Total Downtime in the Reporting Period = 2 hours , Data Availability for this Reporting Period = 99.90 %

Total Operating Time in the Reporting Period = 1960 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Flow Analyzer

Data in the Reporting Period: 07/01/10 to 09/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 1960 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Inlet SO2 CEMS

Data in the Reporting Period: 07/01/10 to 09/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	07/05/10 02:00:36	07/05/10 02:59:36	1	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Preformed manual calibration for Unit startup.
2	07/27/10 08:00:37	07/27/10 08:59:37	1	21=Blowback	3=Quality Assurance Calibrations	Periodic testing by system.

Total Downtime in the Reporting Period = 2 hours , Data Availability for this Reporting Period = 99.90 %

Total Operating Time in the Reporting Period = 1960 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Inlet CO2 Analyzer

Data in the Reporting Period: 07/01/10 to 09/30/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	07/05/10 02:00:36	07/05/10 02:59:36	1	11=Excess Drift Primary Analyzer	1=Monitor Equip Malfunctions	Performed manual calibration for Unit startup
2	07/27/10 08:00:37	07/27/10 08:59:37	1	21=Blowback	3=Quality Assurance Calibrations	periodic testing by system

Total Downtime in the Reporting Period = 2 hours , Data Availability for this Reporting Period = 99.90 %

Total Operating Time in the Reporting Period = 1960 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: Opacity

Limit: 10

Data in the Reporting Period: 07/01/10 to 09/30/10

Inc No.	Start Date	End Date	Duration Periods	Emission Reading	EPA Category	Reason for Incident	Corrective Action
1	07/13/10 03:30:40	07/13/10 03:41:40	2		Process Problems	Process Problems, baghouse	Made repairs and returned to service
2	08/05/10 11:48:42	08/05/10 11:53:42	1	29.00	Startup/Shutdown	boiler was down, Bypassed baghouse to	Returned to service
3	08/13/10 10:06:37	08/13/10 10:23:37	3	11.00 40.00	Control Equip Problems	Atomizer trip, broken belt baghouse	Restored to service.

Total Duration in the Reporting Period = 6 Periods , Percentage of Operating Time above Excess Emission Limit = 0.03 %

Total Operating Time in the Reporting Period = 21962 Periods

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: NOx lb/mmBtu 30-Day

Limit: 0.60

Data in the Reporting Period: 07/01/10 to 09/30/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2101 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: SO2 lb/mmBtu 24-Hr

Data in the Reporting Period: 07/01/10 to 09/30/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2101 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Limit: 0.5

Parameter: SO2 lb/mmBtu 30-Day

Data in the Reporting Period: 07/01/10 to 09/30/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2101 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Limit: 90

Parameter: SO2 Reduction 30-Day

Data in the Reporting Period: 07/01/10 to 09/30/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2101 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boilers

Limit: 6.45

Parameter: Total SO2 Tons

Data in the Reporting Period: 07/01/10 to 09/30/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: CO lb/mmBtu 8-Hr

Data in the Reporting Period: 07/01/10 to 09/30/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	07/18/10 00:00:39	07/18/10 07:59:39	8	1.4	0.3	Startup/Shutdown	Shut down due to load embalance caused	Re started following MMP proceedures.
2	08/01/10 16:00:39	08/01/10 23:59:39	8	1.3	0.3	Startup/Shutdown	shutdown	maintainance,inspection
3	08/06/10 08:00:35	08/06/10 15:59:35	5	5.6	0.3	Startup/Shutdown	Startup	Startup following MMP proceedures
4	08/06/10 16:00:40	08/06/10 23:59:40	8	0.8	0.3	Startup/Shutdown	Startup	Startup following MMP proceedures

Total Duration in the Reporting Period = 29 hours , Percentage of Operating Time above Excess Emission Limit = 1.38 %
Total Operating Time in the Reporting Period = 2101 hours

Note: These exceedances are based on the historic 8-hour block average CO emission limit of 0.3 lb/mmBtu, which applied during all periods of operation. TES Filer City Station is currently working with the data acquisition and handling system (DAHS) vendor (VIM Technologies, Inc.) to update the DAHS to reflect the current CO emission limit of 0.3 lb/mmBtu on a 24-hour rolling average basis, excluding periods of startup and shutdown (consistent with Permit to Install No. 264-09, which was issued June 29, 2010). Until such time as the DAHS has been updated, the plant manually reviews all instances of 8-hour average CO emission limit exceedances against the revised emission limits and maintains documentation. For the 3rd quarter of 2010, there were no exceedances of the revised CO lb/mmBtu emission limit.

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: CO lb/hr 8-Hr

Data in the Reporting Period: 07/01/10 to 09/30/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	07/18/10 00:00:39	07/18/10 07:59:39	8	119.6	115.2	Startup/Shutdown	Shutdown due to U2 tube blow and	Restarted following MMP proceedures.
2	08/06/10 08:00:35	08/06/10 15:59:35	5	184.6	115.2	Startup/Shutdown	Startup	Startup following MMP proceedures.

Total Duration in the Reporting Period = 13 hours , Percentage of Operating Time above Excess Emission Limit = 0.62 %

Total Operating Time in the Reporting Period = 2101 hours

Note: These exceedances are based on the historic 8-hour block average CO emission limit of 115.2 lbs/hr, which applied during all periods of operation. TES Filer City Station is currently working with the data acquisition and handling system (DAHS) vendor (VIM Technologies, Inc.) to update the DAHS to reflect the current CO emission limit of 115.2 lbs/hr on a 24-hour rolling average basis, which applies during all periods of operation (consistent with Permit to Install No. 264-09, which was issued June 29, 2010). Until such time as the DAHS has been updated, the plant manually reviews all instances of 8-hour average CO emission limit exceedances against the revised emission limits and maintains documentation. For the 3rd quarter of 2010, there were no exceedances of the revised CO lbs/hr emission limit.

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: Opacity

Limit: 10

Data in the Reporting Period: 07/01/10 to 09/30/10

Inc No.	Start Date	End Date	Duration Periods	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
1	07/05/10 06:36:34	07/05/10 06:41:34	1	14	14	Startup/Shutdown	Start-up	Start-up following MMP proceedures.
2	07/08/10 00:54:36	07/08/10 00:59:36	1	16	16	Process Problems	Process Problems	Baghouse by pass HI DP, 2 compartments
3	07/18/10 01:54:38	07/18/10 02:11:37	3	39	52	Startup/Shutdown	Tube blow Unit down	Repair tube and restart .
4	07/26/10 12:36:35	07/26/10 12:47:36	2	28	36	Startup/Shutdown	Unit down tube repair.	Repair tube leak and restart.
5	08/10/10 03:18:37	08/10/10 03:35:37	3	57	84	Control Equip Problems	Baghouse bypass high temperature	Restored to service
6	08/17/10 06:18:36	08/17/10 06:23:36	1	55	55	Control Equip Problems	Baghouse bypass high temperature.	Restored to service
7	08/27/10 11:06:36	08/27/10 11:17:36	2	28	34	Control Equip Problems	Baghouse bypass Low temperature	Restored to service.
8	09/14/10 09:12:38	09/14/10 09:23:36	2	54	64	Process Problems	Baghouse bypass Hi Temp.	Restored to service at 09:23

Total Duration in the Reporting Period = 15 Periods , Percentage of Operating Time above Excess Emission Limit = 0.07 %

Total Operating Time in the Reporting Period = 22080 Periods

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: NOx lb/mmBtu 30-Day

Limit: 0.60

Data in the Reporting Period: 07/01/10 to 09/30/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 1960 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 lb/mmBtu 24-Hr

Data in the Reporting Period: 07/01/10 to 09/30/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 1960 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 lb/mmBtu 30-Day

Limit: 0.5

Data in the Reporting Period: 07/01/10 to 09/30/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 1960 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: SO2 Reduction 30-Day

Limit: 90

Data in the Reporting Period: 07/01/10 to 09/30/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 1960 hours

Excess Emissions Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 2

Parameter: CO lb/mmBtu 8-Hr

Data in the Reporting Period: 07/01/10 to 09/30/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	07/03/10 16:00:39	07/03/10 23:59:39	8	0.8	0.3	Startup/Shutdown	Shutdown Tube leak	Repaired tube leak.
2	07/05/10 00:00:38	07/05/10 07:59:38	6	4.7	0.3	Startup/Shutdown	Start-up	Followed MMp proceedures far start-up.
3	07/27/10 08:00:42	07/27/10 15:59:42	8	1.4	0.3	Startup/Shutdown	Start-up	Followed MMP proceedures for start-up.

Total Duration in the Reporting Period = 22 hours , Percentage of Operating Time above Excess Emission Limit = 1.12 %

Total Operating Time in the Reporting Period = 1960 hours

Note: These exceedances are based on the historic 8-hour block average CO emission limit of 0.3 lb/mmBtu, which applied during all periods of operation. TES Filer City Station is currently working with the data acquisition and handling system (DAHS) vendor (VIM Technologies, Inc.) to update the DAHS to reflect the current CO emission limit of 0.3 lb/mmBtu on a 24-hour rolling average basis, excluding periods of startup and shutdown (consistent with Permit to Install No. 264-09, which was issued June 29, 2010). Until such time as the DAHS has been updated, the plant manually reviews all instances of 8-hour average CO emission limit exceedances against the revised emission limits and maintains documentation. For the 3rd quarter of 2010, there were no exceedances of the revised CO lb/mmBtu emission limit.

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Parameter: CO lb/hr 8-Hr

Data in the Reporting Period: 07/01/10 to 09/30/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
1	07/05/10 00:00:38	07/05/10 07:59:38	6	203.1	115.2	Startup/Shutdown	Start-up	Followed MMP proceedures for start-up

Total Duration in the Reporting Period = 6 hours , Percentage of Operating Time above Excess Emission Limit = 0.31 %

Total Operating Time in the Reporting Period = 1960 hours

Note: This exceedance is based on the historic 8-hour block average CO emission limit of 115.2 lbs/hr, which applied during all periods of operation. TES Filer City Station is currently working with the data acquisition and handling system (DAHS) vendor (VIM Technologies, Inc.) to update the DAHS to reflect the current CO emission limit of 115.2 lbs/hr on a 24-hour rolling average basis, which applies during all periods of operation (consistent with Permit to Install No. 264-09, which was issued June 29, 2010). Until such time as the DAHS has been updated, the plant manually reviews all instances of 8-hour average CO emission limit exceedances against the revised emission limits and maintains documentation. For the 3rd quarter of 2010, there were no exceedances of the revised CO lbs/hr emission limit.

AUDIT DATA SHEET
DURAG MODEL 290 TRANSMISSOMETER

DATE	9/27/2010
SOURCE	T.E.S. Filer City
UNIT	#1
AUDITOR	BMGlendening
ATTENDEES	Leonard Mitchell
	Arthur Patten

PRELIMINARY DATA

STACK EXIT INSIDE DIAMETER = Lx	6'-4"
STACK INSIDE DIAMETER AT TRANSMISSOMETER LOCATION = Lt	6'-4"
CALCULATED STR = Lx/Lt	1
SOURCE CITED STR VALUE	1
SOURCE CITED ZERO CALIBRATION VALUE	0.0
SOURCE CITED SPAN CALIBRATION VALUE	45.50

FAULT LAMP INSPECTION

CAL FAULT	OFF
DIRTY WINDOW	OFF
PURGE AIR	OFF
STACK POWER	OFF
LAMP FAILURE	OFF
ALARM	OFF

ZERO CHECK

PANEL METER ZERO CALIBRATION VALUE	0.00
OPACITY DATA RECORDER ZERO CALIBRATION VALUE	0.01

SPAN CHECK

PANEL METER SPAN CALIBRATION VALUE	45.50
OPACITY DATA RECORDER SPAN CALIBRATION VALUE	45.06

RETROREFLECTOR DUST ACCUMULATION CHECK

PRE-CLEANING EFFLUENT OPACITY	0.60
POST-CLEANING EFFLUENT OPACITY	0.30

TRANSCEIVER DUST ACCUMULATION CHECK

PRE-CLEANING EFFLUENT OPACITY	0.10
POST-CLEANING EFFLUENT OPACITY	0.10

OPTICAL ALIGNMENT CHECK

DESCRIBE IMAGE ALIGNMENT	Centered

CALIBRATION ERROR CHECK

FILTER	SERIAL NO.	% OPACITY	% OPACITY CORRECTED FOR ZERO OFFSET AND OPLR
LOW	VN49	16.6	16.52
MID	VN50	24.7	24.63
HIGH	VN51	45.7	45.65

INSTANTANEOUS CHECK

ZERO	LOW	MID	HIGH	ZERO
0.00	16.86	25.02	46.21	-0.12
	16.86	24.97	46.25	-0.09
	16.86	24.98	46.22	-0.09
	16.83	24.98	46.21	0.10
	16.82	25.02	46.26	-0.09

6-MINUTE AVERAGE CHECK

ZERO	LOW	MID	HIGH	ZERO
-0.10	16.86	25.07	46.29	0.13
TIME	TIME	TIME	TIME	TIME
1052-1102	1103-1112	1113-1123	1124-1134	1219-1229

CALIBRATION ERROR CALCULATIONS

LOW-RANGE DIFFERENCE

READING	FILTER	DIFF	DIFF^2
16.86	16.52	0.34	0.12
16.86	16.52	0.34	0.12
16.86	16.52	0.34	0.12
16.83	16.52	0.31	0.10
16.82	16.52	0.30	0.09
	SUM	1.63	0.53

MEAN ERROR = 0.33

CONFIDENCE INTERVAL = 0.02

CALIBRATION ERROR = 0.35

MID-RANGE DIFFERENCE

READING	FILTER	DIFF	DIFF^2
25.02	24.63	0.39	0.15
24.97	24.63	0.34	0.12
24.98	24.63	0.35	0.12
24.98	24.63	0.35	0.12
25.02	24.63	0.39	0.15
	SUM	1.82	0.66

MEAN ERROR = 0.36

CONFIDENCE INTERVAL = 0.03

CALIBRATION ERROR = 0.39

HIGH-RANGE DIFFERENCE

READING	FILTER	DIFF	DIFF^2
46.21	45.65	0.56	0.31
46.25	45.65	0.60	0.36
46.22	45.65	0.57	0.32
46.21	45.65	0.56	0.31
46.26	45.65	0.61	0.37
	SUM	2.90	1.68

MEAN ERROR = 0.58

CONFIDENCE INTERVAL = 0.03

CALIBRATION ERROR = 0.61

SIX-MINUTE AVERAGE ERROR

	READING	FILTER	DIFF
LOW	16.86	16.52	0.34
MID	25.07	24.63	0.44
HIGH	46.29	45.65	0.64

FILER CITY UNIT 1
DATA SUMMARY

PARAMETER	AUDIT RESULTS	SPECIFICATION
FAULT LAMPS		
CAL FAULT	OFF	OFF
DIRTY WINDOW	OFF	OFF
PURGE AIR	OFF	OFF
STACK POWER	OFF	OFF
LAMP FAILURE	OFF	OFF
ALARM	OFF	OFF
STACK EXIT CORRELATION ERROR	0.00%	+/- 2%
ZERO ERROR	0.01%	+/- 4%
SPAN ERROR	-0.44%	+/- 4%
ALIGNMENT	Centered	CENTERED
OPTICAL DUST ACCUMULATION		
RETROREFLECTOR	0.30%	< 2%
TRANSCEIVER	0.00%	< 2%
TOTAL	0.30%	< 4%
CALIBRATION ERROR ANALYSIS		
MEAN ERROR		
LOW	0.33	
*	0.34	
MID	0.36	
*	0.44	
HIGH	0.58	
*	0.64	
CONFIDENCE INTERVAL		
LOW	0.02	
MID	0.03	
HIGH	0.03	
CALIBRATION ERROR		
LOW	0.35	< 3%
MID	0.39	< 3%
HIGH	0.61	< 3%

* ERROR BASED ON SIX-MINUTE AVERAGE DATA FROM A SINGLE FILTER INSERTION

AUDIT DATA SHEET
DURAG MODEL 290 TRANSMISSOMETER

DATE	9/27/2010
SOURCE	T.E.S. Filer City
UNIT	#2
AUDITOR	B M Glendening
ATTENDEES	Leonard Mitchell
	Arthur Patten

PRELIMINARY DATA

STACK EXIT INSIDE DIAMETER = Lx	6'-4"
STACK INSIDE DIAMETER AT TRANSMISSOMETER LOCATION = Lt	6'-4"
CALCULATED STR = Lx/Lt	1
SOURCE CITED STR VALUE	1
SOURCE CITED ZERO CALIBRATION VALUE	0.0
SOURCE CITED SPAN CALIBRATION VALUE	45.50

FAULT LAMP INSPECTION

CAL FAULT	OFF
DIRTY WINDOW	OFF
PURGE AIR	OFF
STACK POWER	OFF
LAMP FAILURE	OFF
ALARM	OFF

ZERO CHECK

PANEL METER ZERO CALIBRATION VALUE	0.00
OPACITY DATA RECORDER ZERO CALIBRATION VALUE	0.01

SPAN CHECK

PANEL METER SPAN CALIBRATION VALUE	45.30
OPACITY DATA RECORDER SPAN CALIBRATION VALUE	45.27

RETROREFLECTOR DUST ACCUMULATION CHECK

PRE-CLEANING EFFLUENT OPACITY	0.10
POST-CLEANING EFFLUENT OPACITY	-0.30

TRANSCEIVER DUST ACCUMULATION CHECK

PRE-CLEANING EFFLUENT OPACITY	-0.28
POST-CLEANING EFFLUENT OPACITY	-0.37

OPTICAL ALIGNMENT CHECK

DESCRIBE IMAGE ALIGNMENT	Centered

CALIBRATION ERROR CHECK

FILTER	SERIAL NO.	% OPACITY	% OPACITY CORRECTED FOR ZERO OFFSET AND OPLR
LOW	VN49	16.6	16.88
MID	VN50	24.7	24.96
HIGH	VN51	45.7	45.88

INSTANTANEOUS CHECK

ZERO	LOW	MID	HIGH	ZERO
0.38	17.37	25.34	46.16	-0.38
	17.38	25.35	46.17	0.32
	17.38	25.35	46.18	0.34
	17.36	25.34	46.19	0.34
	17.38	25.38	46.21	0.34

6-MINUTE AVERAGE CHECK

ZERO	LOW	MID	HIGH	ZERO
0.38	17.39	25.02	45.92	0.38
TIME	TIME	TIME	TIME	TIME
1119-1129	1130-1140	1234-1244	1246-1256	1258-1308

CALIBRATION ERROR CALCULATIONS

LOW-RANGE DIFFERENCE

READING	FILTER	DIFF	DIFF^2
17.37	16.88	0.49	0.24
17.38	16.88	0.50	0.25
17.38	16.88	0.50	0.25
17.36	16.88	0.48	0.23
17.38	16.88	0.50	0.25
	SUM	2.47	1.22

MEAN ERROR = 0.49

CONFIDENCE INTERVAL = 0.01

CALIBRATION ERROR = 0.51

MID-RANGE DIFFERENCE

READING	FILTER	DIFF	DIFF^2
25.34	24.96	0.38	0.14
25.35	24.96	0.39	0.15
25.35	24.96	0.39	0.15
25.34	24.96	0.38	0.14
25.38	24.96	0.42	0.18
	SUM	1.96	0.77

MEAN ERROR = 0.39

CONFIDENCE INTERVAL = 0.02

CALIBRATION ERROR = 0.41

HIGH-RANGE DIFFERENCE

READING	FILTER	DIFF	DIFF^2
46.16	45.88	0.28	0.08
46.17	45.88	0.29	0.08
46.18	45.88	0.30	0.09
46.19	45.88	0.31	0.10
46.21	45.88	0.33	0.11
	SUM	1.51	0.46

MEAN ERROR = 0.30

CONFIDENCE INTERVAL = 0.02

CALIBRATION ERROR = 0.33

SIX-MINUTE AVERAGE ERROR

	READING	FILTER	DIFF
LOW	17.39	16.88	0.51
MID	25.02	24.96	0.06
HIGH	45.92	45.88	0.04

FILER CITY UNIT 2
DATA SUMMARY

PARAMETER	AUDIT RESULTS	SPECIFICATION
FAULT LAMPS		
CAL FAULT	OFF	OFF
DIRTY WINDOW	OFF	OFF
PURGE AIR	OFF	OFF
STACK POWER	OFF	OFF
LAMP FAILURE	OFF	OFF
ALARM	OFF	OFF
STACK EXIT CORRELATION ERROR	0.00%	+/- 2%
ZERO ERROR	0.01%	+/- 4%
SPAN ERROR	-0.23%	+/- 4%
ALIGNMENT	Centered	CENTERED
OPTICAL DUST ACCUMULATION		
RETROREFLECTOR	0.40%	< 2%
TRANSCEIVER	0.09%	< 2%
TOTAL	0.49%	< 4%
CALIBRATION ERROR ANALYSIS		
MEAN ERROR		
LOW	0.49	
*	0.51	
MID	0.39	
*	0.06	
HIGH	0.30	
*	0.04	
CONFIDENCE INTERVAL		
LOW	0.01	
MID	0.02	
HIGH	0.02	
CALIBRATION ERROR		
LOW	0.51	< 3%
MID	0.41	< 3%
HIGH	0.33	< 3%

* ERROR BASED ON SIX-MINUTE AVERAGE DATA FROM A SINGLE FILTER INSERTION

Opacity Data Summary Report

Facility Name: T.E.S. Filer City Station
Source: Boiler 1 Opacity %

Location: Filer City, MI

Date/Time	10-Second Opacity Readings (%) # 1	# 2	# 3	# 4	# 5	# 6	Calculated Average (%)	DAS 1-Min Average (%)	MC	Absolute Value of Difference
09/27/10 10:22:39	0.64	0.49	0.81	0.56	0.65	0.71	0.64	0.64	0	0.00
09/27/10 10:23:43	0.80	0.71	0.86	0.56	0.59	0.71	0.71	0.70	15	0.01
09/27/10 10:24:40	0.68	60.50	70.49	89.56	89.55	89.56	66.72	66.72	15	0.00
09/27/10 10:25:39	89.56	89.58	89.59	89.59	27.14	0.31	64.30	64.29	15	0.01
09/27/10 10:26:39	0.41	0.37	0.19	0.28	0.09	-0.04	0.22	0.22	15	0.00
09/27/10 10:27:43	0.37	15.61	89.16	83.48	81.94	87.18	59.62	59.62	15	0.00
09/27/10 10:28:44	79.52	77.41	78.64	0.03	0.32	0.19	39.35	39.35	15	0.00
09/27/10 10:29:38	0.09	0.37	0.25	0.19	0.19	0.03	0.19	0.19	15	0.00
09/27/10 10:30:43	0.22	0.37	0.27	0.34	-0.36	-0.32	0.09	0.09	15	0.00
09/27/10 10:31:43	-0.29	0.06	-0.04	-0.04	0.00	0.03	-0.05	-0.05	15	0.00
09/27/10 10:32:43	-0.01	0.00	-0.03	-0.03	-0.04	-0.04	-0.03	-0.03	15	0.00
09/27/10 10:33:39	-0.04	-0.03	0.00	-0.01	-0.03	-0.04	-0.03	-0.03	15	0.00
09/27/10 10:34:39	-0.03	-0.07	-0.06	-0.07	-0.07	-0.07	-0.06	-0.06	15	0.00
09/27/10 10:35:40	-0.07	-0.07	-0.11	6.23	16.86	16.86	6.62	6.62	15	0.00
09/27/10 10:36:40	16.86	16.86	7.43	25.01	25.01	24.98	19.36	19.36	15	0.00
09/27/10 10:37:35	25.01	25.01	24.98	24.98	24.98	24.98	24.99	24.99	15	0.00
09/27/10 10:38:39	24.98	24.98	25.01	18.83	11.18	46.21	25.20	25.20	15	0.00
09/27/10 10:39:39	46.21	46.21	40.55	-0.12	-0.12	-0.13	22.10	22.10	15	0.00
09/27/10 10:40:36	-0.13	-0.10	7.34	16.86	16.86	16.86	9.62	9.62	15	0.00
09/27/10 10:41:35	16.86	10.02	24.99	24.98	24.95	24.96	21.13	21.13	15	0.00
09/27/10 10:42:39	2.41	25.95	46.25	46.25	40.85	-0.09	26.94	26.94	15	0.00
09/27/10 10:43:39	-0.10	-0.09	-0.10	16.86	16.86	16.86	8.38	8.38	15	0.00
09/27/10 10:44:36	16.86	9.43	25.02	24.99	25.02	9.69	18.50	18.50	15	0.00
09/27/10 10:45:38	46.23	46.22	46.22	46.24	8.72	-0.13	32.25	32.25	15	0.00
09/27/10 10:46:39	-0.10	9.44	16.86	16.83	16.86	9.63	11.59	11.59	15	0.00
09/27/10 10:47:39	24.95	24.99	24.95	11.24	46.26	46.21	29.77	29.77	15	0.00
09/27/10 10:48:36	46.26	37.69	-0.09	-0.10	-0.10	15.74	16.57	16.57	15	0.00
09/27/10 10:49:35	16.87	16.82	16.86	15.83	15.33	25.02	17.79	17.79	15	0.00
09/27/10 10:50:35	25.02	20.34	33.39	46.26	46.28	3.49	29.13	29.13	15	0.00
09/27/10 10:51:36	-0.09	-0.09	-0.10	-0.10	-0.10	-0.09	-0.10	-0.10	15	0.00
09/27/10 10:52:36	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	15	0.00
09/27/10 10:53:34	-0.10	-0.11	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	15	0.00
09/27/10 10:54:35	-0.10	-0.10	-0.07	-0.07	-0.07	-0.10	-0.09	-0.09	15	0.00
09/27/10 10:55:36	-0.10	-0.09	-0.10	-0.09	-0.10	-0.10	-0.10	-0.10	15	0.00
09/27/10 10:56:39	-0.10	-0.10	-0.10	-0.10	-0.11	-0.10	-0.10	-0.10	15	0.00
09/27/10 10:57:35	-0.10	-0.11	-0.11	-0.10	-0.10	-0.10	-0.10	-0.10	15	0.00
09/27/10 10:58:39	-0.11	-0.10	-0.08	-0.08	-0.08	-0.10	-0.09	-0.09	15	0.00
09/27/10 10:59:36	-0.10	-0.08	-0.08	-0.08	-0.07	-0.07	-0.08	-0.08	15	0.00
09/27/10 11:00:36	-0.11	-0.08	-0.04	-0.04	-0.08	-0.08	-0.07	-0.07	15	0.00
09/27/10 11:01:39	-0.04	-0.04	-0.07	-0.08	-0.08	-0.07	-0.06	-0.06	15	0.00
09/27/10 11:02:39	-0.08	9.46	16.89	16.85	16.89	16.88	12.82	12.82	15	0.00
09/27/10 11:03:39	16.84	16.86	16.86	16.86	16.86	16.85	16.86	16.86	15	0.00
09/27/10 11:04:36	16.86	16.86	16.85	16.86	16.85	16.86	16.86	16.86	15	0.00
09/27/10 11:05:39	16.86	16.86	16.86	16.83	16.86	16.82	16.85	16.85	15	0.00

Vend

MC - Monitoring Codes:

00 - System OK; Data is Valid
10 - Heavy Rains
11 - Excess Drift Primary Analyzer
12 - Excess Drift Ancillary Analyzer
13 - Process Down
14 - Recalibration
15 - Preventive Maintenance
16 - Primary Analyzer Malfunction
17 - Ancillary Analyzer Malfunction
18 - Data Handling System Malfunction
19 - Sample Interface Malfunction
20 - Corrective Maintenance
21 - Analyzer in Audit mode
98 - Automatic Calibration
99 - Software Adjust

	Date/Time	10-Second Opacity Readings (%) # 1	# 2	# 3	# 4	# 5	# 6	Calculated Average (%)	DAS 1-Min Average (%)	MC	Absolute Value of Difference
LOW	09/27/10 11:06:39	16.86	16.86	16.86	16.85	16.86	16.86	16.86	16.86	15	0.00
	09/27/10 11:07:39	16.85	16.86	16.86	16.86	16.86	16.86	16.86	16.86	15	0.00
	09/27/10 11:08:39	16.86	16.85	16.89	16.86	16.86	16.86	16.86	16.86	15	0.00
	09/27/10 11:09:39	16.86	16.86	16.86	16.86	16.86	16.85	16.86	16.86	15	0.00
	09/27/10 11:10:35	16.86	16.86	16.86	16.86	16.86	16.86	16.86	16.86	15	0.00
	09/27/10 11:11:36	16.86	16.86	16.86	16.86	16.86	16.86	16.86	16.86	15	0.00
	09/27/10 11:12:36	16.82	16.86	16.86	16.86	16.86	4.18	14.74	14.74	15	0.00
	09/27/10 11:13:39	13.11	25.08	25.08	25.07	25.04	25.07	23.08	23.08	15	0.00
	09/27/10 11:14:36	25.04	25.04	25.08	25.07	25.08	25.08	25.07	25.07	15	0.00
MID	09/27/10 11:15:36	25.07	25.04	25.04	25.04	25.04	25.04	25.05	25.05	15	0.00
	09/27/10 11:16:36	25.04	25.04	25.08	25.08	25.08	25.04	25.06	25.06	15	0.00
	09/27/10 11:17:35	25.07	25.07	25.08	25.04	25.08	25.04	25.06	25.06	15	0.00
	09/27/10 11:18:36	25.08	25.08	25.08	25.08	25.07	25.05	25.07	25.07	15	0.00
	09/27/10 11:19:36	25.05	25.08	25.04	25.05	25.04	25.04	25.05	25.05	15	0.00
	09/27/10 11:20:35	25.05	25.08	25.08	25.08	25.08	25.08	25.08	25.08	15	0.00
	09/27/10 11:21:39	25.08	25.09	25.06	25.05	25.05	25.05	25.06	25.06	15	0.00
	09/27/10 11:22:36	25.05	25.09	25.08	25.08	25.08	25.08	25.08	25.08	15	0.00
	09/27/10 11:23:39	25.07	25.08	25.08	25.09	25.08	25.08	25.08	25.08	15	0.00
	09/27/10 11:24:39	-0.07	23.11	46.28	46.27	46.27	46.29	34.69	34.69	15	0.00
	09/27/10 11:25:35	46.28	46.29	46.29	46.28	46.29	46.28	46.29	46.29	15	0.00
High	09/27/10 11:26:39	46.25	46.18	46.29	46.29	46.33	46.29	46.27	46.27	15	0.00
	09/27/10 11:27:36	46.29	46.28	46.28	46.29	46.29	46.29	46.29	46.29	15	0.00
	09/27/10 11:28:35	46.29	46.23	46.29	46.32	46.29	46.29	46.29	46.29	15	0.00
	09/27/10 11:29:35	46.32	46.30	46.29	46.32	46.33	46.32	46.31	46.31	15	0.00
	09/27/10 11:30:36	46.29	46.29	46.29	46.29	46.29	46.29	46.29	46.29	15	0.00
	09/27/10 11:31:36	46.29	46.29	46.30	46.29	46.29	46.29	46.29	46.29	15	0.00
	09/27/10 11:32:35	46.29	46.29	46.29	46.29	22.43	28.43	39.34	39.34	15	0.00
	09/27/10 11:33:39	0.72	0.47	0.49	0.53	0.59	0.52	0.55	0.55	15	0.00
	09/27/10 11:34:39	0.62	0.52	0.71	0.74	0.65	0.64	0.65	0.65	0	0.00
	09/27/10 11:35:35	0.65	0.65	0.37	0.43	0.52	0.52	0.52	0.52	0	0.00
	09/27/10 11:36:39	0.71	0.84	0.64	0.74	0.86	0.65	0.74	0.74	0	0.00
	09/27/10 11:37:36	0.64	0.69	0.51	0.60	0.58	0.43	0.58	0.58	0	0.00
	09/27/10 11:38:39	0.71	0.90	0.49	0.43	0.62	0.54	0.62	0.62	0	0.00
	09/27/10 11:39:39	0.80	0.79	0.58	0.58	0.74	0.80	0.72	0.72	0	0.00
	09/27/10 11:40:39	0.46	0.52	0.68	0.46	0.58	0.77	0.58	0.58	0	0.00
	09/27/10 11:41:39	0.84	0.68	0.65	0.71	0.93	0.96	0.80	0.80	0	0.00
	09/27/10 11:42:36	0.65	0.78	0.52	0.71	0.99	0.71	0.73	0.73	0	0.00
	09/27/10 11:43:38	0.65	1.03	0.78	0.55	0.79	0.74	0.76	0.76	0	0.00
	09/27/10 11:44:35	0.83	0.93	0.89	0.86	0.93	1.08	0.92	0.92	0	0.00
	09/27/10 11:45:36	0.99	0.86	1.12	1.12	0.65	0.84	0.93	0.93	0	0.00
	09/27/10 11:46:36	0.90	0.93	1.03	0.87	0.80	1.09	0.94	0.94	0	0.00
	09/27/10 11:47:39	0.93	1.18	0.84	0.93	1.05	1.09	1.00	1.00	0	0.00
	09/27/10 11:48:39	1.09	0.84	1.21	1.18	0.96	0.96	1.04	1.04	0	0.00
	09/27/10 11:49:39	1.06	1.41	0.93	1.15	1.18	1.30	1.17	1.17	0	0.00
	09/27/10 11:50:34	1.44	1.09	0.99	1.44	1.18	1.21	1.23	1.23	0	0.00
	09/27/10 11:51:39	1.15	1.28	1.09	1.12	1.12	1.03	1.13	1.13	0	0.00
	09/27/10 11:52:39	0.99	1.03	0.96	1.40	1.15	1.19	1.12	1.12	0	0.00
	09/27/10 11:53:39	1.34	0.99	1.02	1.19	1.03	0.99	1.09	1.09	0	0.00
	09/27/10 11:54:39	1.24	0.99	1.18	1.53	1.12	1.24	1.22	1.22	0	0.00
	09/27/10 11:55:39	0.99	1.22	1.36	1.09	1.40	1.41	1.25	1.25	0	0.00

MC - Monitoring Codes:

00 - System OK; Data is Valid
10 - Heavy Rains
11 - Excess Drift Primary Analyzer
12 - Excess Drift Ancillary Analyzer
13 - Process Down
14 - Recalibration
15 - Preventive Maintenance
16 - Primary Analyzer Malfunction
17 - Ancillary Analyzer Malfunction
18 - Data Handling System Malfunction
19 - Sample Interface Malfunction
20 - Corrective Maintenance
21 - Analyzer in Audit mode
98 - Automatic Calibration
99 - Software Adjust

Date/Time	10-Second Opacity Readings (%) # 1	# 2	# 3	# 4	# 5	# 6	Calculated Average (%)	DAS 1-Min Average (%)	MC	Absolute Value of Difference
09/27/10 11:56:36	1.28	1.15	1.09	1.28	1.06	0.99	1.14	1.14	0	0.00
09/27/10 11:57:36	0.99	1.12	1.24	1.13	1.03	1.09	1.10	1.10	0	0.00
09/27/10 11:58:35	0.62	0.84	1.21	1.06	1.12	0.78	0.94	0.94	0	0.00
09/27/10 11:59:39	1.19	1.15	1.49	1.12	1.31	1.09	1.23	1.23	0	0.00
09/27/10 12:00:39	1.06	0.89	1.18	0.99	0.99	2.21	1.22	1.22	0	0.00
09/27/10 12:01:35	1.71	1.49	1.59	1.34	1.21	1.46	1.47	1.47	0	0.00
09/27/10 12:02:38	1.37	1.46	1.12	1.28	1.40	1.40	1.34	1.34	0	0.00
09/27/10 12:03:39	1.19	1.28	1.44	1.53	1.49	1.18	1.35	1.35	0	0.00
09/27/10 12:04:39	1.28	1.37	1.24	1.38	1.22	1.43	1.32	1.32	0	0.00
09/27/10 12:05:35	1.44	1.31	1.34	1.24	1.53	1.41	1.38	1.38	0	0.00
09/27/10 12:06:39	1.18	1.40	1.22	1.24	1.49	1.43	1.33	1.33	0	0.00
09/27/10 12:07:39	1.38	1.34	1.31	1.46	1.28	1.21	1.33	1.33	0	0.00
09/27/10 12:08:35	1.31	1.31	0.99	1.26	1.33	1.37	1.26	1.26	0	0.00
09/27/10 12:09:35	1.06	1.31	1.13	1.22	1.66	1.37	1.29	1.29	0	0.00
09/27/10 12:10:39	1.19	0.99	1.24	1.38	1.06	1.09	1.16	1.16	0	0.00
09/27/10 12:11:36	1.38	1.19	1.56	1.31	1.27	1.37	1.35	1.35	0	0.00
09/27/10 12:12:36	0.96	1.21	1.24	1.38	1.13	1.03	1.16	1.16	0	0.00
09/27/10 12:13:35	1.28	1.12	1.21	1.21	1.34	1.18	1.22	1.22	0	0.00
09/27/10 12:14:35	1.21	1.18	1.43	1.16	1.21	1.24	1.24	1.24	0	0.00
09/27/10 12:15:35	1.28	1.19	1.31	1.28	1.40	1.31	1.30	1.30	15	0.00
09/27/10 12:16:35	1.43	1.36	1.28	0.96	1.46	1.28	1.30	1.30	0	0.00
09/27/10 12:17:39	1.22	1.59	1.09	1.18	1.31	1.09	1.25	1.25	0	0.00
09/27/10 12:18:39	1.31	0.99	1.21	1.28	1.40	1.28	1.25	1.25	15	0.00
09/27/10 12:19:39	0.75	0.16	0.16	0.15	0.16	0.16	0.26	0.26	15	0.00
09/27/10 12:20:38	0.16	0.15	0.16	0.15	0.16	0.16	0.16	0.16	15	0.00
09/27/10 12:21:39	0.12	0.16	0.16	0.15	0.16	0.16	0.15	0.15	15	0.00
09/27/10 12:22:39	0.13	0.13	0.12	0.12	0.11	0.13	0.12	0.12	15	0.00
09/27/10 12:23:39	0.13	0.13	0.13	0.12	0.11	0.12	0.12	0.12	15	0.00
09/27/10 12:24:39	0.12	0.13	0.12	0.13	0.12	0.12	0.12	0.12	15	0.00
09/27/10 12:25:39	0.12	0.12	0.12	0.09	0.13	0.12	0.12	0.12	15	0.00
09/27/10 12:26:36	0.13	0.13	0.09	0.09	0.09	0.09	0.10	0.10	15	0.00
09/27/10 12:27:36	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	15	0.00
09/27/10 12:28:39	0.13	0.12	0.13	0.09	0.13	0.12	0.12	0.12	15	0.00
09/27/10 12:29:35	0.09	0.09	0.13	0.13	0.13	0.12	0.12	0.12	15	0.00

Zero

MC - Monitoring Codes:

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10 - Heavy Rains
11 - Excess Drift Primary Analyzer
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13 - Process Down
14 - Recalibration
15 - Preventive Maintenance
16 - Primary Analyzer Malfunction
17 - Ancillary Analyzer Malfunction
18 - Data Handling System Malfunction
19 - Sample Interface Malfunction
20 - Corrective Maintenance
21 - Analyzer in Audit mode
98 - Automatic Calibration
99 - Software Adjust

Opacity Data Summary Report

Facility Name: T.E.S. Filer City Station
Source: Boiler 2 Opacity %

Location: Filer City, MI

Date/Time	10-Second Opacity Readings (%) # 1	# 2	# 3	# 4	# 5	# 6	Calculated Average (%)	DAS 1-Min Average (%)	MC	Absolute Value of Difference
09/27/10 11:12:39	46.23	0.34	0.32	0.32	0.31	0.31	7.97	7.97	15	0.00
09/27/10 11:13:36	0.31	0.37	0.38	0.34	0.37	0.34	0.35	0.35	15	0.00
09/27/10 11:14:38	0.37	0.38	0.38	0.37	0.38	0.34	0.37	0.37	15	0.00
09/27/10 11:15:39	0.34	0.38	0.38	0.38	0.37	0.37	0.37	0.37	15	0.00
09/27/10 11:16:39	0.37	0.38	10.68	17.37	17.37	17.38	10.59	10.59	15	0.00
09/27/10 11:17:39	17.36	2.49	0.38	0.37	2.78	17.36	6.79	6.79	15	0.00
09/27/10 11:18:39	17.37	17.37	0.34	0.34	0.33	8.84	7.43	7.43	15	0.00
09/27/10 11:19:39	17.38	17.36	3.59	0.38	0.37	0.38	6.58	6.58	15	0.00
09/27/10 11:20:35	0.37	0.37	0.37	0.38	0.37	0.38	0.37	0.37	15	0.00
09/27/10 11:21:35	0.37	0.38	0.37	0.37	0.38	0.37	0.37	0.37	15	0.00
09/27/10 11:22:39	0.37	0.37	0.37	0.38	0.38	0.34	0.37	0.37	15	0.00
09/27/10 11:23:39	0.38	0.38	0.38	0.38	0.37	0.38	0.38	0.38	15	0.00
09/27/10 11:24:35	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	15	0.00
09/27/10 11:25:39	0.38	0.38	0.37	0.41	0.38	0.38	0.38	0.38	15	0.00
09/27/10 11:26:35	0.38	0.38	0.38	0.38	0.37	0.38	0.38	0.38	15	0.00
09/27/10 11:27:38	0.38	0.41	0.41	0.40	0.40	0.37	0.40	0.40	15	0.00
09/27/10 11:28:35	0.39	0.41	0.38	0.38	0.38	0.37	0.39	0.39	15	0.00
09/27/10 11:29:39	0.37	0.41	0.41	0.38	0.40	0.40	0.40	0.40	15	0.00
09/27/10 11:30:35	0.38	10.90	17.38	17.36	17.36	17.38	13.46	13.46	15	0.00
09/27/10 11:31:39	17.36	17.40	17.41	17.40	17.41	17.37	17.39	17.39	15	0.00
09/27/10 11:32:35	17.40	17.38	17.37	17.38	17.37	17.38	17.38	17.38	15	0.00
09/27/10 11:33:36	17.34	17.40	17.41	17.41	17.41	17.41	17.40	17.40	15	0.00
09/27/10 11:34:35	17.41	17.41	17.38	17.37	17.37	17.38	17.39	17.39	15	0.00
09/27/10 11:35:39	17.37	17.41	17.37	17.37	17.41	17.37	17.38	17.38	15	0.00
09/27/10 11:36:39	17.38	17.37	17.37	17.38	17.38	17.37	17.38	17.38	15	0.00
09/27/10 11:37:36	17.37	17.40	17.41	17.37	17.41	17.38	17.39	17.39	15	0.00
09/27/10 11:38:39	17.38	17.37	17.38	17.37	17.38	17.37	17.38	17.38	15	0.00
09/27/10 11:39:39	17.37	17.41	17.41	17.41	17.41	17.41	17.40	17.40	15	0.00
09/27/10 11:40:39	17.41	17.41	17.39	17.39	17.40	14.41	16.90	16.90	15	0.00
09/27/10 11:41:38	0.44	0.50	0.50	0.52	0.31	0.52	0.47	0.47	16	0.00
09/27/10 11:42:35	0.44	0.41	0.48	0.59	0.53	0.50	0.49	0.49	0	0.00
09/27/10 11:43:36	1.25	0.37	0.65	0.50	0.52	0.75	0.67	0.67	0	0.00
09/27/10 11:44:35	0.43	0.71	0.71	0.78	0.56	0.66	0.64	0.64	0	0.00
09/27/10 11:45:35	0.99	0.81	0.66	0.84	0.75	0.65	0.78	0.78	0	0.00
09/27/10 11:46:39	0.65	0.41	0.78	0.91	0.65	0.71	0.69	0.69	0	0.00
09/27/10 11:47:36	1.07	0.66	0.74	0.96	0.65	1.07	0.86	0.86	0	0.00
09/27/10 11:48:39	0.72	0.62	0.72	0.94	0.69	0.80	0.75	0.75	0	0.00
09/27/10 11:49:39	0.74	0.53	1.03	0.99	0.84	0.56	0.78	0.78	0	0.00
09/27/10 11:50:39	0.97	1.06	0.87	0.87	0.99	0.71	0.91	0.91	0	0.00
09/27/10 11:51:34	0.12	0.93	0.94	0.74	0.87	0.84	0.74	0.74	0	0.00
09/27/10 11:52:35	0.65	0.84	0.96	0.91	0.81	0.81	0.83	0.83	0	0.00
09/27/10 11:53:39	1.07	1.13	0.78	1.04	0.84	0.93	0.97	0.97	0	0.00
09/27/10 11:54:39	0.94	0.97	0.88	0.89	0.94	1.16	0.96	0.96	0	0.00
09/27/10 11:55:38	0.81	0.84	1.09	0.97	0.91	0.91	0.92	0.92	0	0.00

MC - Monitoring Codes:

00 - System OK; Data is Valid
10 - Heavy Rains
11 - Excess Drift Primary Analyzer
12 - Excess Drift Ancillary Analyzer
13 - Process Down
14 - Recalibration
15 - Preventive Maintenance
16 - Primary Analyzer Malfunction
17 - Ancillary Analyzer Malfunction
18 - Data Handling System Malfunction
19 - Sample Interface Malfunction
20 - Corrective Maintenance
21 - Analyzer in Audit mode
98 - Automatic Calibration
99 - Software Adjust

Date/Time	10-Second Opacity Readings (%) # 1	# 2	# 3	# 4	# 5	# 6	Calculated Average (%)	DAS 1-Min Average (%)	MC	Absolute Value of Difference
09/27/10 11:56:35	1.03	0.97	1.13	1.15	1.07	1.16	1.09	1.09	0	0.00
09/27/10 11:57:35	0.47	1.06	0.81	0.81	0.91	0.98	0.84	0.84	0	0.00
09/27/10 11:58:38	1.03	1.21	1.22	0.88	0.93	1.03	1.05	1.05	0	0.00
09/27/10 11:59:39	1.06	0.81	0.96	0.88	1.16	1.28	1.03	1.03	0	0.00
09/27/10 12:00:39	1.05	0.99	1.03	1.13	0.91	0.99	1.02	1.02	0	0.00
09/27/10 12:01:39	0.59	0.91	0.97	1.18	1.24	0.54	0.91	0.91	0	0.00
09/27/10 12:02:38	1.19	1.24	1.06	1.09	0.97	1.16	1.12	1.12	0	0.00
09/27/10 12:03:35	0.56	1.07	0.91	0.96	1.04	0.78	0.89	0.89	0	0.00
09/27/10 12:04:36	0.91	1.03	0.72	1.09	1.03	1.06	0.97	0.97	0	0.00
09/27/10 12:05:39	0.97	1.06	0.88	0.94	1.19	0.99	1.01	1.01	0	0.00
09/27/10 12:06:39	0.85	0.81	1.09	1.03	1.03	1.03	0.97	0.97	0	0.00
09/27/10 12:07:35	1.25	0.97	0.84	0.75	0.75	0.91	0.91	0.91	0	0.00
09/27/10 12:08:35	0.99	1.13	0.94	1.16	0.94	1.09	1.04	1.04	0	0.00
09/27/10 12:09:39	0.86	1.08	0.98	0.56	0.91	1.21	0.93	0.93	0	0.00
09/27/10 12:10:35	1.09	1.25	0.81	1.03	0.88	1.03	1.02	1.02	0	0.00
09/27/10 12:11:39	1.03	0.63	0.71	0.65	1.09	0.99	0.85	0.85	0	0.00
09/27/10 12:12:39	0.88	0.96	0.88	0.91	0.84	1.11	0.93	0.93	0	0.00
09/27/10 12:13:35	1.16	1.16	0.82	0.93	0.84	0.99	0.98	0.98	0	0.00
09/27/10 12:14:35	1.09	0.75	0.91	1.19	0.93	0.93	0.97	0.97	0	0.00
09/27/10 12:15:39	1.41	1.22	1.16	0.81	0.84	0.97	1.07	1.07	0	0.00
09/27/10 12:16:39	0.78	0.91	1.16	0.74	0.84	0.88	0.89	0.89	0	0.00
09/27/10 12:17:36	1.06	0.97	0.97	0.98	1.09	0.97	1.01	1.01	0	0.00
09/27/10 12:18:36	0.94	1.18	0.90	0.88	0.84	0.91	0.94	0.94	0	0.00
09/27/10 12:19:39	0.66	0.69	0.88	0.91	1.07	0.78	0.83	0.83	0	0.00
09/27/10 12:20:35	0.88	0.72	0.81	0.81	0.87	0.78	0.81	0.81	0	0.00
09/27/10 12:21:36	0.34	0.72	1.16	0.94	1.03	1.04	0.87	0.87	0	0.00
09/27/10 12:22:39	0.88	0.99	1.13	0.99	0.75	1.07	0.97	0.97	0	0.00
09/27/10 12:23:39	0.88	0.84	0.88	0.84	0.91	0.96	0.89	0.89	0	0.00
09/27/10 12:24:39	0.74	0.91	0.99	0.97	1.19	0.75	0.93	0.93	0	0.00
09/27/10 12:25:36	0.84	0.74	1.03	1.03	0.97	0.99	0.93	0.93	0	0.00
09/27/10 12:26:39	1.09	0.81	0.49	0.78	0.94	0.91	0.84	0.84	0	0.00
09/27/10 12:27:39	1.16	0.91	0.88	0.98	0.74	1.09	0.96	0.96	0	0.00
09/27/10 12:28:36	0.72	1.13	1.06	1.04	0.78	0.94	0.95	0.94	0	0.01
09/27/10 12:29:35	0.84	0.99	0.81	0.78	0.87	1.06	0.89	0.89	0	0.00
09/27/10 12:30:39	0.88	0.99	1.03	0.88	0.63	0.94	0.89	0.89	0	0.00
09/27/10 12:31:36	0.10	0.78	1.06	0.63	0.91	0.97	0.74	0.74	0	0.00
09/27/10 12:32:35	0.78	0.72	0.59	0.81	0.78	0.86	0.76	0.76	0	0.00
09/27/10 12:33:39	0.56	0.84	82.73	89.49	89.50	89.49	58.77	58.77	15	0.00
09/27/10 12:34:39	89.48	87.91	89.49	89.51	65.34	25.04	74.46	74.46	15	0.00
09/27/10 12:35:39	25.01	25.03	25.03	25.03	25.03	25.04	25.03	25.03	15	0.00
09/27/10 12:36:38	25.04	25.03	25.04	24.99	25.04	25.03	25.03	25.03	15	0.00
09/27/10 12:37:35	25.03	25.04	25.03	25.04	25.04	25.04	25.04	25.04	15	0.00
09/27/10 12:38:39	25.04	25.04	25.04	25.04	25.03	24.99	25.03	25.03	15	0.00
09/27/10 12:39:39	25.03	25.01	25.01	25.01	25.00	25.01	25.01	25.01	15	0.00
09/27/10 12:40:38	25.01	25.01	24.97	24.97	25.01	24.97	24.99	24.99	15	0.00
09/27/10 12:41:35	24.98	25.01	25.04	25.04	25.00	25.01	25.01	25.01	15	0.00
09/27/10 12:42:36	25.04	25.04	24.99	24.99	24.99	25.01	25.01	25.01	15	0.00
09/27/10 12:43:39	25.01	25.00	25.01	25.01	25.01	25.00	25.01	25.01	15	0.00
09/27/10 12:44:39	25.01	25.01	24.99	24.99	25.01	25.01	25.00	25.00	15	0.00
09/27/10 12:45:36	25.01	25.01	15.32	7.33	45.95	45.94	27.43	27.43	15	0.00

MLD

MC - Monitoring Codes:

00 - System OK; Data is Valid
10 - Heavy Rains
11 - Excess Drift Primary Analyzer
12 - Excess Drift Ancillary Analyzer
13 - Process Down
14 - Recalibration
15 - Preventive Maintenance
16 - Primary Analyzer Malfunction
17 - Ancillary Analyzer Malfunction
18 - Data Handling System Malfunction
19 - Sample Interface Malfunction
20 - Corrective Maintenance
21 - Analyzer in Audit mode
98 - Automatic Calibration
99 - Software Adjust

	Date/Time	10-Second Opacity Readings (%) # 1	# 2	# 3	# 4	# 5	# 6	Calculated Average (%)	DAS 1-Min Average (%)	MC	Absolute Value of Difference
	09/27/10 12:46:36	45.93	45.94	45.92	45.94	45.92	45.92	45.93	45.93	15	0.00
	09/27/10 12:47:39	45.91	45.95	45.94	45.95	45.95	45.94	45.94	45.94	15	0.00
	09/27/10 12:48:39	45.93	45.93	45.94	45.93	45.92	45.95	45.93	45.93	15	0.00
	09/27/10 12:49:36	45.96	45.91	45.91	45.91	45.91	45.93	45.92	45.92	15	0.00
high	09/27/10 12:50:35	45.91	45.91	45.93	45.92	45.93	45.91	45.92	45.92	15	0.00
	09/27/10 12:51:39	45.92	45.93	45.94	45.94	45.93	45.93	45.93	45.93	15	0.00
	09/27/10 12:52:35	45.94	45.95	45.93	45.92	45.93	45.91	45.93	45.93	15	0.00
	09/27/10 12:53:39	45.91	45.90	45.91	45.93	45.90	45.90	45.91	45.91	15	0.00
	09/27/10 12:54:35	45.95	45.91	45.91	45.93	45.91	45.93	45.92	45.92	15	0.00
	09/27/10 12:55:39	45.93	45.93	45.91	45.96	45.91	45.94	45.93	45.93	15	0.00
	09/27/10 12:56:35	45.91	45.93	45.93	45.91	45.91	45.93	45.92	45.92	15	0.00
	09/27/10 12:57:39	45.94	45.92	45.92	45.92	0.11	-0.06	30.63	30.63	15	0.00
	09/27/10 12:58:35	-0.06	-0.07	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	15	0.00
	09/27/10 12:59:36	-0.06	0.00	0.00	-0.03	-0.03	-0.03	-0.03	-0.02	15	0.01
	09/27/10 13:00:39	-0.04	-0.03	-0.04	-0.04	-0.03	-0.06	-0.04	-0.04	15	0.00
	09/27/10 13:01:39	-0.06	0.01	-0.01	0.01	-0.01	-0.01	-0.01	-0.01	15	0.00
	09/27/10 13:02:39	0.01	-0.01	-0.01	0.00	0.00	-0.03	-0.01	-0.01	15	0.00
	09/27/10 13:03:36	0.00	0.03	0.04	0.03	0.03	0.03	0.03	0.03	15	0.00
	09/27/10 13:04:35	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	15	0.00
zero	09/27/10 13:05:39	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	15	0.00
	09/27/10 13:06:39	0.03	0.03	0.04	0.03	0.06	0.03	0.04	0.04	15	0.00
	09/27/10 13:07:39	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	15	0.00
	09/27/10 13:08:35	0.03	0.03	0.03	0.03	0.06	0.06	0.04	0.04	15	0.00
	09/27/10 13:09:39	0.03	0.06	0.06	0.06	0.06	0.06	0.06	0.05	15	0.01
	09/27/10 13:10:36	0.06	0.07	0.10	0.06	0.09	0.09	0.08	0.08	15	0.00

MC - Monitoring Codes:

00 - System OK; Data is Valid
10 - Heavy Rains
11 - Excess Drift Primary Analyzer
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19 - Sample Interface Malfunction
20 - Corrective Maintenance
21 - Analyzer in Audit mode
98 - Automatic Calibration
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Web: www.opacitycert.com

Results of NIST-Traceable Opacity Filter Certification

Source: T.E.S. Filer City Station		
Unit Designation (if available): **n/a**	Stack Correction Factor (y/n): **N**	Ratio: **n/a**
Date of Certification:	Certification Report Number:	Date of Expiration:
June 29, 2010	**062910-04**	**June 28, 2011**

Results:

See individual filter data sheets for full-spectrum and monochromatic data used below.

Specific Opacity Monitor Make/Model for below data:	**Durag D-R290 series**	
Angle of Incidence: **10 degrees**	Maximum Accuracy: **± 0.5**	Lab Temp: **72°** Fahrenheit (± 3°)
Monitor Light-Source Type: **L.E.D.**	LED Peak Spectral Response Point: **N/A - Multi Points**	

Serial Number:	VN49	VN50	VN51
New Opacity:	16.6%	24.7%	45.7%
New Transmittance:	83.4%	75.3%	54.3%
New Optical Density:	0.0789	0.1232	0.2650
Previous Opacity:	16.5%	24.6%	45.6%
Change in Opacity:	0.1	0.1	0.1

Certification Measurement Parameters: meeting the requirements set forth in section 6.3 of 40 CFR Part 60, Appendix B, Performance Specification 1.

Instrument:		
Spectrophotometer: Varian-Cary 50 Conc	Serial Number: EL0602-3153	
Scanning Range: 380-780nm	Data Interval: 10nm	Spectral Bandpass: 1.5nm

Reference Material:	
Reference Material Type:	NIST 930D/E series SRM
Reference Material Serial Numbers:	Blank; 430-248; 420-248; 410-248
SRM Date of Certification:	February 25, 2009
SRM Date of Expiration:	February 24, 2011

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Fax: 919-846-6041
E-mail: asiffer@opacitycert.com
Web: www.opacitycert.com

Report of Results from Neutral Density Opacity Filter Certification

Regulations Pertaining to Opacity Filter Certification

The certification of opacity audit attenuators (otherwise known as "filters") must be performed per the specifications put forth in Section 6.3 of the United States Environmental Protection Agency (US EPA) rule 40 CFR, Part 60, Appendix B, Performance Specification 1. All results reported by Opacity Certification Services, LLC (OCS) have been performed in accordance with this Federal Register-posted rule, and all results are traceable to the National Institute of Standards and Technology (NIST). To see this rule, visit http://www.epa.gov/fedrgstr/EPA-AIR/2000/August/Day-10/a20021.htm.

How your Opacity Filters are Certified

OCS utilizes a laboratory-based spectrophotometer to produce opacity data for your filters (see **40 CFR Part 60, Appendix B (PS-1), section 6.3** for pertinent information). Once the spectrophotometer has been deemed accurate per PS-1, filter certifications can commence.

Individual opacity filters are placed into the spectrophotometer sample chamber at the proper angle of incidence appropriate for the designated opacity monitor, and scanned from 780 – 380nm, rotated 90 degrees in the plane of the glass surface, then scanned again. Once the second scan has been completed, an average transmittance is determined at every 10nm between 780-380nm.

At this point, one of two methods of determining opacity is employed to assign an opacity value to each filter. For opacity monitors that employ broad-band light sources (such as a incandescent bulb or a broadband LED), or for monochromatic light-sourced monitors installed **prior to** the latest version of Performance Specification 1 (prior to May 8, 2001), the method for assigning the opacity value is by use of the "Source C Human Eye Response" protocol, which assigns weighting factors for all transmittance values, sums the values, and divides by 100,000 to give the overall transmittance value for the filter.

The second method of determining opacity was inserted into the latest version of Performance Specification 1 as a way of dealing with the increasing number of opacity monitors utilizing monochromatic light sources, such as LED's or lasers. This newer method allows for the opacity value to be assigned to each filter only in the wavelengths employed by the light source.

At OCS, when we certify filters for monochromatic light-sourced monitors, we include both the monochromatic data as well as the Source C Human Eye Response data. Utilize whichever set of data that more closely matches your results!

Signature of Calibration Technician/Laboratory Manager

Al Siffer
Opacity Certification Services, LLC
asiffer@opacitycert.com

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Specialists in NIST-Traceable Opacity Filter Recertification's and New Opacity Filters
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Filter Certification Results for : **T.E.S. Filer City Station**

Filter Serial No : VN49

Date of Scan : 6/29/2010
Expiration Date : 6/28/2011
Monitor : Durag D-R290
Angle of Incidence : 10 deg

Opacity Value = 16.6%

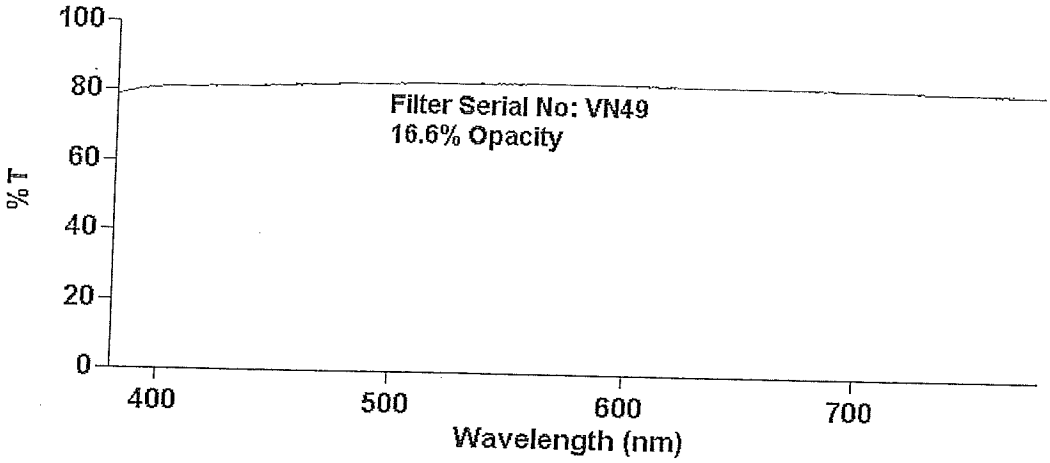
Transmittance = 83.4%
Optical density = 0.0789

Table 1-1: Opacity filter Scan Data at 10 nm Intervals

Lambda	Scan 1	Scan 2	Average	% Trans	Lambda	Scan 1	Scan 2	Average	% Trans
780	82.1	82.2	82.1	0.0	570	83.5	83.5	83.5	764041.
770	82.2	82.2	82.2	0.0	560	83.5	83.5	83.5	821540.
760	82.3	82.3	82.3	82.3	550	83.4	83.4	83.4	820245.
750	82.4	82.5	82.4	82.4	540	83.4	83.4	83.4	766863.
740	82.5	82.6	82.6	165.1	530	83.4	83.3	83.3	661263.
730	82.6	82.6	82.6	247.9	520	83.3	83.3	83.3	538096.
720	82.8	82.7	82.8	496.5	510	83.2	83.1	83.2	401902.
710	82.8	82.8	82.8	1159.7	500	83.0	83.0	83.0	282400.
700	82.9	82.9	82.9	2405.2	490	82.9	82.9	82.9	195431.
690	83.1	83.1	83.1	5150.2	480	82.7	82.7	82.7	133830.
680	83.1	83.1	83.1	11140.9	470	82.6	82.6	82.6	87353.3
670	83.2	83.2	83.2	21541.7	460	82.3	82.3	82.3	57134.0
660	83.2	83.2	83.2	41944.9	450	82.1	82.1	82.1	36353.2
650	83.2	83.2	83.2	73728.1	440	81.8	81.8	81.8	21432.5
640	83.3	83.3	83.3	120253.	430	81.7	81.7	81.7	9971.1
630	83.4	83.4	83.4	182618.	420	81.6	81.5	81.6	3017.4
620	83.5	83.5	83.5	263171.	410	81.4	81.4	81.4	732.7
610	83.5	83.5	83.5	348586.	400	81.2	81.2	81.2	162.4
600	83.5	83.5	83.5	443908.	390	80.4	80.4	80.4	0.0
590	83.5	83.5	83.5	553404.	380	79.0	79.0	79.0	0.0
580	83.5	83.5	83.5	667541.		0.0	0.0	0.0	0.0

Table 1-2 : Opacity Filter Data for Monochromatic Light Source-based Monitors(if applicable)

Monochromatic Wavelength	Opacity Value	Transmittance Value	Optical Density Value
n/a			



Filter Certification Results for : **T.E.S. Filer City Station**

Filter Serial No : VN50

Date of Scan : 6/29/2010
Expiration Date : 6/28/2011
Monitor : Durag D-R290
Angle of Incidence : 10 deg

Opacity Value = 24.7%

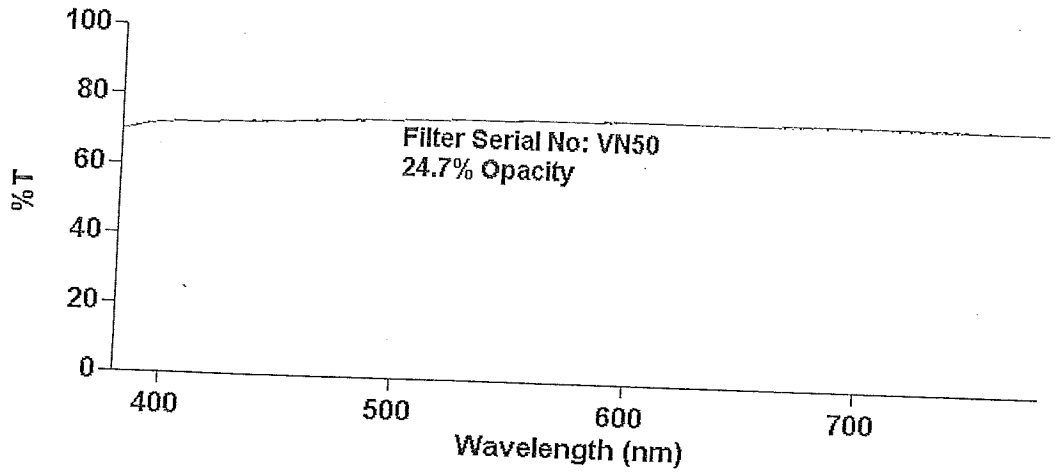
Transmittance = 75.3%
Optical density = 0.1232

Table 1-1: Opacity filter Scan Data at 10 nm Intervals

Lambda	Scan 1	Scan 2	Average	% Trans	Lambda	Scan 1	Scan 2	Average	% Trans
780	76.0	76.0	76.0	0.0	570	75.5	75.5	75.5	690861.
770	76.0	76.0	76.0	0.0	560	75.4	75.4	75.4	742164.
760	76.0	76.0	76.0	76.0	550	75.3	75.3	75.3	739991.
750	76.0	76.0	76.0	76.0	540	75.2	75.1	75.2	690976.
740	76.1	76.1	76.1	152.1	530	75.0	75.0	75.0	595115.
730	76.1	76.1	76.1	228.2	520	74.8	74.9	74.9	483710.
720	76.1	76.1	76.1	456.5	510	74.7	74.7	74.7	360927.
710	76.1	76.1	76.1	1065.2	500	74.5	74.5	74.5	253256.
700	76.1	76.1	76.1	2206.7	490	74.3	74.2	74.3	175105.
690	76.1	76.1	76.1	4719.5	480	74.1	74.0	74.0	119805.
680	76.1	76.1	76.1	10200.1	470	73.8	73.9	73.8	78123.5
670	76.1	76.1	76.1	19704.6	460	73.5	73.6	73.6	51046.7
660	76.0	76.0	76.0	38312.1	450	73.2	73.2	73.2	32436.5
650	76.0	76.0	76.0	67316.5	440	72.9	72.9	72.9	19099.8
640	76.0	75.9	76.0	109603.	430	72.8	72.8	72.8	8881.6
630	76.0	75.9	75.9	166330.	420	72.5	72.5	72.5	2683.3
620	75.9	75.9	75.9	239215.	410	72.3	72.3	72.3	651.0
610	75.8	75.8	75.8	316578.	400	72.1	72.1	72.1	144.1
600	75.8	75.8	75.8	402760.	390	71.2	71.2	71.2	0.0
590	75.7	75.7	75.7	501513.	380	69.9	69.9	69.9	0.0
580	75.6	75.6	75.6	604151.		0.0	0.0	0.0	0.0

Table 1-2 : Opacity Filter Data for Monochromatic Light Source-based Monitors(if applicable)

Monochromatic Wavelength	Opacity Value	Transmittance Value	Optical Density Value
n/a			



Filter Certification Results for : **T.E.S. Filer City Station**

Filter Serial No : VN51

Date of Scan : 6/29/2010
Expiration Date : 6/28/2011
Monitor : Durag D-R290
Angle of Incidence : 10 deg

Opacity Value = 45.7%

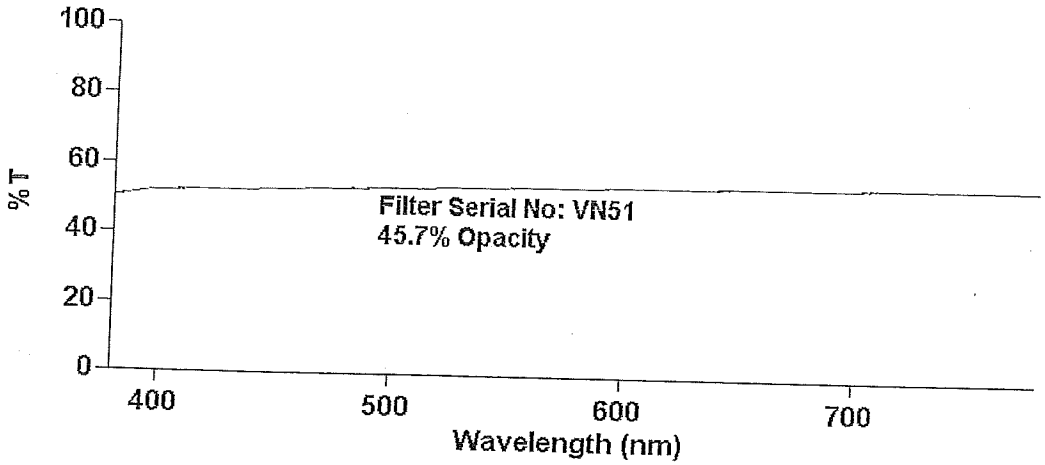
Transmittance = 54.3%
Optical density = 0.2650

Table 1-1: Opacity filter Scan Data at 10 nm Intervals

Lambda	Scan 1	Scan 2	Average	% Trans	Lambda	Scan 1	Scan 2	Average	% Trans
780	55.8	55.7	55.8	0.0	570	54.5	54.5	54.5	498415.
770	55.7	55.7	55.7	0.0	560	54.4	54.4	54.4	535075.
760	55.7	55.7	55.7	55.7	550	54.2	54.2	54.2	533348.
750	55.7	55.7	55.7	55.7	540	54.2	54.2	54.2	498125.
740	55.6	55.6	55.6	111.2	530	54.0	54.0	54.0	428780.
730	55.5	55.6	55.6	166.7	520	53.9	53.9	53.9	348432.
720	55.5	55.5	55.5	333.2	510	53.8	53.8	53.8	260164.
710	55.5	55.5	55.5	776.6	500	53.7	53.7	53.7	182526.
700	55.4	55.4	55.4	1606.3	490	53.5	53.5	53.5	126209.
690	55.4	55.4	55.4	3435.9	480	53.4	53.4	53.4	86409.1
680	55.3	55.4	55.3	7414.8	470	53.3	53.2	53.3	56344.7
670	55.3	55.2	55.3	14311.4	460	53.1	53.1	53.1	36828.8
660	55.2	55.2	55.2	27812.6	450	52.9	52.9	52.9	23415.0
650	55.1	55.1	55.1	48828.2	440	52.7	52.7	52.7	13795.9
640	55.0	55.1	55.1	79443.3	430	52.6	52.6	52.6	6416.7
630	55.0	55.0	55.0	120379.	420	52.5	52.4	52.4	1940.6
620	54.9	54.9	54.9	173197.	410	52.3	52.3	52.3	470.9
610	54.8	54.8	54.8	228944.	400	52.1	52.1	52.1	104.2
600	54.7	54.7	54.7	291032.	390	51.5	51.5	51.5	0.0
590	54.6	54.6	54.6	362079.	380	50.4	50.4	50.4	0.0
580	54.6	54.6	54.6	436121.		0.0	0.0	0.0	0.0

Table 1-2 : Opacity Filter Data for Monochromatic Light Source-based Monitors(if applicable)

Monochromatic Wavelength	Opacity Value	Transmittance Value	Optical Density Value
n/a			



JMP 10-29-10

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Shane Nixon
DEQ- Air Division
120 W. Chapin Street
Cadialliac, MI 49601-2158

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X D Jackson
☒ Agent
☐ Addressee

B. Received by (Printed Name) D JACKSON
C. Date of Delivery 11-1-01

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number
(Transfer from service label) 7010 0290 0001 2573 0995

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

Consumers Energy

A CMS Energy Company

Environmental & Laboratory Services

January 27, 2010

Mr. Shane Nixon
Department of Environmental Quality
Air Quality Division
120 W. Chapin Street
Cadillac, MI 49601-2158

SUBJECT: FORTH QUARTER 2010 EMISSIONS MONITORING REPORT

Dear Mr. Nixon:

Enclosed is the Fourth Quarter 2010 emissions monitoring report for Boilers No. 1 and No. 2 at the T.E.S. Filer City Station (Renewable Operating Permit No. ROP MI-ROP-N1685-2008a). The report includes all information required under Federal Standards of Performance for New Stationary Sources (40 CFR 60, Subparts A, Da, and Appendix F).

This quarterly report contains the Excess Emissions Reports (EERs) and Summary Reports for Boilers No. 1 and No. 2. The report also includes the results of linearity tests conducted in accordance with 40 CFR Part 75, Appendices A and B (all outlet CEMS other than CO), and cylinder gas audits (CGAs) conducted in accordance with 40 CFR Part 60, Appendix F (inlet CEMS and outlet CO CEMS). The associated Certificates of Analysis for the calibration gases used in the linearity tests and CGAs are also included within this quarterly report.

Lastly, in accordance with Section 4.7.2 of the currently approved C/D Waste Wood Monitoring Plan, this quarterly report contains a summary of the sampling and inspection activities associated with any C/D materials fired in Boilers No. 1 and No. 2. As indicated in the attached C/D waste wood summary sheets, no C/D materials were fired in Boilers No. 1 and No. 2 during the 2010 calendar year.

Please contact me at (517) 788-1467 if you have any questions or require further information concerning the contents of this submittal.

Sincerely,

Jason M. Prentice

Jason Prentice
Environmental Planner
Consumers Energy Company

cc: Todd Guenthardt, TES Filer City Station
Karen Kajiya-Mills, MDNRE-AQD Technical Programs Unit
Filer City Compliance File-Q, SA, A File

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

RENEWABLE OPERATING PERMIT REPORT CERTIFICATION

Authorized by 1994 P.A. 451, as amended. Failure to provide this information may result in civil and/or criminal penalties.

Reports submitted pursuant to R 336.1213 (Rule 213), subrules (3)(c) and/or (4)(c), of Michigan's Renewable Operating Permit (ROP) program must be certified by a responsible official. Additional information regarding the reports and documentation listed below must be kept on file for at least 5 years, as specified in Rule 213(3)(b)(ii), and be made available to the Department of Environmental Quality, Air Quality Division upon request.

Source Name: T.E.S. Filer City Station
County: Manistee
Source Address: P.O. Box 12 / 700 Mee Street
City: Filer City
AQD Source ID (SRN): N1685
ROP No.: MI-ROP-N1685-2008a
ROP Section No.: N/A

Please check the appropriate box(es):

☐ **Annual Compliance Certification (Pursuant to Rule 213(4)(c))**

Reporting period (provide inclusive dates): From _____ To _____

☐ 1. During the entire reporting period, this source was in compliance with **ALL** terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference. The method(s) used to determine compliance is/are the method(s) specified in the ROP.

☐ 2. During the entire reporting period this source was in compliance with all terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference, **EXCEPT** for the deviations identified on the enclosed deviation report(s). The method used to determine compliance for each term and condition is the method specified in the ROP, unless otherwise indicated and described on the enclosed deviation report(s).

☐ **Semi-Annual (or More Frequent) Report Certification (Pursuant to Rule 213(3)(c))**

Reporting period (provide inclusive dates): From _____ To _____

☐ 1. During the entire reporting period, **ALL** monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred.

☐ 2. During the entire reporting period, all monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred, **EXCEPT** for the deviations identified on the enclosed deviation report(s).

☒ **Other Report Certification**

Reporting period (provide inclusive dates): From 10/01/2010 To 12/31/2010

Additional monitoring reports or other applicable documents required by the ROP are attached as described:

Boilers 1 and 2 Quarterly Report for the 4th Quarter of 2010 (October – December).

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this report and the supporting enclosures are true, accurate and complete

Roger R. Burger	General Manager	231-723-6573
Name of Responsible Official (print or type)	Title	Phone Number
		1-24-11
		Date

Signature of Responsible Official

EQP 5736 (Rev 11-04)

* Photocopy this form as needed.

T.E.S. Filer City Station

Summary Log for C/D Waste Wood Monitoring & Inspection Activities

Shipment ID	Date Unloaded	Date Inspected	Net Tons of Wood Shipped	% Painted Wood	% Incidental Materials	% Painted Wood & Incidentals	12-Month Rolling Average % Painted Wood	12-Month Rolling Average % Incidental Materials	12-Month Rolling Average % Wood & Incidental Materials
Invoice No. 10379, Ticket 37214	2/16/2006	2/16/2006	15.5	0.30%	0.30%	0.60%	0.3000%	0.3000%	0.6000%
Invoice No. 10379, Ticket 37215	2/16/2006	2/16/2006	15.0	0.15%	0.30%	0.45%	0.2262%	0.3000%	0.5262%
Bill of Lading No. 06114	8/10/2006	8/16/2006	2,070.0	0.00%	0.10%	0.10%	0.0033%	0.1029%	0.1062%
Bill of Lading No. 06115	8/25/2006	8/29/2006	2,152.6	0.00%	0.00%	0.00%	0.0016%	0.0508%	0.0524%
Truck Ticket No. 57643	7/13/2009	7/13/2009	9.2	0.65%	0.15%	0.80%	0.6500%	0.1500%	0.8000%

[1] The 12-month rolling percenatges of painted wood and painted wood/incidentals are based upon a weighted average using all individual shipments received within the 12 month period ending in the month of the last C/D material shipment.

Limits: 1. TES Filer City will not accept any C/D material shipments that contain more than 3% painted wood, or more than 4.5% painted wood and incidental non-wood materials, as determined in accordance with the approved C/D Waste Wood Monitoring Plan. The supplier of any rejected shipments will be notified immediately, and written follow-up with the supplier will be conducted within 5 days.

2. The 12-month rolling average values of painted wood and painted wood & incidental non-wood materials may not exceed 1.5% and 2.5%, respectively.

T.E.S. Filer City Station

Summary of Monthly and 12-Month Rolling C/D Charge Rates and C/D Characteristics

Calendar Month	Maximum Daily Firing Rate [1] (tons)		Monthly Usage Rate [1] (tons)		12-Month Rolling Usage Rate [1] (tons)		12-Month Rolling % Painted Wood [2]	12-Month Rolling % Painted Wood & Incidentals [2]
	Boiler 1	Boiler 2	Boiler 1	Boiler 2	Boiler 1	Boiler 2		
Sep-08	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Oct-08	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Nov-08	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Dec-08	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Jan-09	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Feb-09	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Mar-09	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Apr-09	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
May-09	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Jun-09	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Jul-09	4.6	4.6	4.6	4.6	4.6	4.6	0.6500%	0.8000%
Aug-09	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Sep-09	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Oct-09	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Nov-09	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Dec-09	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Jan-10	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Feb-10	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Mar-10	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Apr-10	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
May-10	0.0	0.0	0.0	0.0	4.6	4.6	0.6500%	0.8000%
Jun-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Jul-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Aug-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Sep-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Oct-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Nov-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%
Dec-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0000%	0.0000%

[1] The charge rate of C/D materials to each boiler is estimated as 50% of the combined total charge rate for both boilers.

[2] The 12-month rolling percenatges of painted wood and painted wood/incidentals are based upon a weighted average using all individual shipments received within the applicable 12-month rolling time period.

Limits: The charge rate of C/D materials in each boiler may not exceed 200,000 lbs (i.e. 100 tons) per steam generating unit operating day.
The 12-month rolling charge rate of C/D materials in each boiler may not exceed 18,282 tons per year.
The 12-month rolling average values of painted wood and painted wood & incidental non-wood materials may not exceed 1.5% and 2.5%, respectively.

T.E.S. FILER CITY STATION

CONTINUOUS EMISSION MONITORING QUARTERLY REPORT

SUBPART Da
(NSPS SOURCES)

Year 2010
Report Period Ending: **March 31** ___ **June 30** ___ **Sept. 30** ___ **Dec. 31** X

I. GENERAL INFORMATION

1. Source: T.E.S. FILER CITY STATION

2. Address: 700 MEE STREET
FILER CITY, MICHIGAN 49634

3. Plant Phone Number: (231) 723-6573

4. Affected Facility: BOILER #1 X BOILER #2 X

5. Control Device(s): GEESI/DRY FLUE GAS DESULFERIZATION SYSTEM
GEESI/FABRIC FILTER BAGHOUSES

6. Fuel Type: Coal/Wood/TDF/Petroleum Coke/Construction & Demolition (C/D) Waste
(NOTE: Although allowed by permit, C/D wastes were not fired during the quarter)

7. Person Completing Report

(Print) Jason M. Prentice

(Signature) Jason M. Prentice

(Date) 1-27-11

This is to certify that, to the best of my knowledge, the information provided on these forms is correct and accurate.

8. Person Responsible For Review and Integrity of Report:

(Print) Roger R. Burger

(Signature)

(Date) 1-24-11

CEM\4th QTR10
File: 001-008-020-1-5

T.E.S. FILER CITY STATION

II. CONTINUOUS MONITOR OPERATIONAL DATA

	# 1 OPACITY	# 2 OPACITY	INLET #1 SO2	INLET #2 SO2	STACK #1 SO2	STACK #2 SO2	STACK #1 NOx	STACK #2 NOx	STACK #1 CO	STACK #2 CO	INLET # 1 CO2	INLET # 2 CO2	STACK # 1 CO2	STACK # 2 CO2
1. MFG:	Durag, Inc.	Durag, Inc.	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]	T. E. I. [1]
2. MODEL NO:	D-R 290	D-R 290	43i	43i	43i	43i	42i	42i	48i	48i	410i	410i	410i	410i
3. SERIAL NO:	425692	425693	0622717879	0622717883	0622717877	0622717880	0623017966	0623017967	0622717887	0622717888	0622717873	0622717875	0622717869	0622717874
4. Basis for Gas Measurement (wet or dry)	N / A	N / A	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET	WET
5. F-Factor Used	N / A	N / A	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	$F_c \approx 1{,}800$ scf/mm Btu	N / A	N / A	N / A	N / A

[1] T. E. I. standards for Thermo Environmental Instruments, Inc.

6. F-Factor Method: Fuel Analyses and Method 19, Equation 19-15 and/or Method 19, Table 19-2. Please note that the fuel factors are unit specific and are based upon the relative amounts (on a heat input basis) of coal, wood, petroleum coke and tire-derived-fuel (TDF) that are fired within a given time period.

7. Ave. Time	6 Minute	6 Minute	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour	1 Hour
8. Zero/Span Values														
ZERO	0 %	0 %	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM	0 %	0 %	0 %	0 %
SPAN	45 %	45 %	2,000 PPM	2,000 PPM	H: 1,500 PPM [1] L: 200 PPM [1]	H: 1,500 PPM [1] L: 200 PPM [1]	500 PPM	500 PPM	500 PPM	500 PPM	20.0 %	20.0 %	20.0 %	20.0 %

[1] The span values for the SO_2 Stack CEMS were revised from 2,000 ppm for the high span and 500 ppm for the low span just prior to the September 2008 Part 75 certification tests. The revised high and low span values were determined in accordance with sections 2.1.1.3 and 2.1.1.4 of Appendix A to 40 CFR Part 75.

T.E.S. FILER CITY STATION

II. CONTINUOUS MONITOR OPERATIONAL DATA

9. Date of Last Performance Specification Test Passed

Monitoring System	RATA	7-Day Calibration Drift Test	Cycle-time Test	COMS Field Audit Test	COMS 168-hr Operational Test
Boiler 1 Gas CEMS	09/21/2010	10/31/2006 (Stk SO_2 = 09/25/08)	10/18/2006 (Stk SO_2 = 10/03/08)	N/A	N/A
Boiler 1 COMS	N/A	N/A	N/A	09/27/2010	10/26/2006
Boiler 2 Gas CEMS	09/22/2010	10/31/2006 (Stk SO_2 = 09/25/08)	10/23/2006 (Stk SO_2 = 10/03/08)	N/A	N/A
Boiler 2 COMS	N/A	N/A	N/A	09/27/2010	11/01/2006

	# 1 OPACITY	# 2 OPACITY	INLET #1 SO2	INLET #2 SO2	STACK #1 SO2	STACK #2 SO2	STACK #1 NOx	STACK #2 NOx	STACK #1 CO	STACK #2 CO	INLET # 2 CO2	INLET # 2 CO2	STACK #1 CO2	STACK # 2 CO2
10. Modification Since Last PST Date (10-06; 9-08)	NONE	NONE	NONE	NONE	NONE (Changed high & low span values)	NONE (Changed high & low span values)	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
11. Emission Limits (Averaging Period)	10 % (6-Min)	10 % (6-Min)	N / A	N / A	0.7 lb/mm Btu (24-Hr) 0.5 lb/mm Btu (30-Day)	0.7 lb/mm Btu (24-Hr) 0.5 lb/mm Btu (30-Day)	0.6 lb/mm Btu (30-Day)	0.6 lb/mm Btu (30-Day)	0.3 lb/mm Btu (24-Hour)	0.3 lb/mm Btu (24-Hour)	N / A	N / A	N / A	N / A

T.E.S. FILER CITY STATION

III. MONITORING AND COMPLIANCE SUMMARY (per 40 CFR 60.51a(h))

	YES	NO	REF.
1. Were the required continuous monitoring systems calibrated, span, and drift checks or other periodic audits performed as specified?	X		
2. Were the data used to show compliance obtained in accordance with approved methods and procedures of Subpart Da?	X		
3. Are the data representative of plant performance?	X		
4. Were the minimum data requirements met? If no, were they not met due to unavoidable errors?	X		
5. Was compliance with the standards achieved during the reporting period?		X	
Boiler #1			
SO_2 Stack Limit 0.7 lb/MMBTU 24 Hour	X		
SO_2 Stack Limit 0.5 lb/MMBTU 30 Day	X		
SO_2 90% Reduction 30 Day	X		
NO_x Stack Limit 0.6 lb/MMBTU 30 Day	X		
Opacity Limit >10% 6 Minute Average		X	
Boiler #2			
SO_2 Stack Limit 0.7 lb/MMBTU 24 Hour	X		
SO_2 Stack Limit 0.5 lb/MMBTU 30 Day	X		
SO_2 90% Reduction 30 Day	X		
NO_x Stack Limit 0.6 lb/MMBTU 30 Day	X		
Opacity Limit >10% 6 Minute Average		X	

T.E.S. FILER CITY STATION

V. EXCESS EMISSION REPORT - SO_2 AND NO_x

SO_2 EVENTS (30 Day Rolling Average Limit of 0.5 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

SO_2 EVENTS (24 Hour Average Limit of 0.7 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

SO_2 EVENTS (30 Day Rolling Average Limit of SO_2 Percent Reduction: Limit=90%)

Date(s) Occurred	Boiler No.	Value (% removal)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

NO_x EVENTS (30 Day Rolling Average Limit of 0.60 lb/MMBTU)

Date(s) Occurred	Boiler No.	Value (lb/mm Btu)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

OPACITY EVENTS (Excess Emission Notification >10%, 6-Min. Average, for ≥ 2 Hours)

Date(s) Occurred	Boiler No.	Value (% opacity)	Cause	Corrective Action
None	1	N / A	N / A	N / A
None	2	N / A	N / A	N / A

NOTE: All six minute periods during which the average opacity exceeds 10% are identified in the attached monthly "Excess Emissions Report" for Boiler #1 and Boiler #2.

CEM\4th QTR10
File: 001-008-020-1-5

T.E.S. FILER CITY STATION

VI. QUALITY ASSURANCE DATA

1a. OUT-OF-CONTROL ASSESSMENT INFORMATION

BOILER # 1

INLET CO2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717873	None	N / A	N / A

STACK CO2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717869	None	N / A	N / A

INLET SO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717879	None	N / A	N / A

STACK SO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717877	None	N / A	N / A

T.E.S. FILER CITY STATION

STACK NO_X METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 42i – 0623017966	None	N / A	N / A

OPACITY METER

Meter	Date(s) Occurred	Description	Corrective Action
D-R 290 – 425692	None	N / A	N / A

2a. Other operating days for which data has not been obtained (18 hrs) or excluded from calculation of average emission rates:

Boiler #1

Date(s) Occurred	Description	Corrective Action
None	N / A	N / A

3a. OUT-OF-CONTROL ASSESSMENT INFORMATION

Any Boiler 1 CEMS and COMS out-of-control (OOC) periods are generally associated with equipment replacements or excessive calibration drift (CD) error, and they are summarized in Section VI.1a of this report. During this quarter, there were no OOC periods associated with Relative Accuracy Test Audits (RATAs), Cylinder Gas Audits (CGAs), Linearity Tests or CD Error Tests.

When applicable, the duration of each OOC period is summarized in the quarterly report document titled "Downtime Report". The information provided in Section VI.1a of this report provides a summary of the OOC period corrective actions. When required, the corrective actions result in the CDs (or relative accuracies) being within the allowed limits. Other periods of data loss due to analyzer maintenance, Data Acquisition and Handling System (DAHS) malfunctions, etc. are also summarized in the "Downtime Report".

T.E.S. FILER CITY STATION

1b. OUT-OF-CONTROL ASSESSMENT INFORMATION

BOILER # 2

INLET CO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717875	None	N / A	N / A

STACK CO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 410i – 0622717874	None	N / A	N / A

INLET SO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717883	None	N / A	N / A

STACK SO_2 METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 43i – 0622717880	None	N / A	N / A

STACK NO_X METER

Meter	Date(s) Occurred	Description	Corrective Action
TEI 42i – 0623017967	None	N / A	N / A

OPACITY METER

Meter	Date(s) Occurred	Description	Corrective Action
D-R 290 – 425693	None	N / A	N / A

2b. Other operating days for which data has not been obtained (18 hrs) or excluded from calculation of average emission rates:

Boiler #2

Date(s) Occurred	Description	Corrective Action
None	N / A	N / A

3b. OUT-OF-CONTROL ASSESSMENT INFORMATION

Any Boiler 2 CEMS and COMS out-of-control (OOC) periods are generally associated with equipment replacements or excessive calibration drift (CD) error, and they are summarized in Section VI.1b of this report. During this quarter, there were no OOC periods associated with Relative Accuracy Test Audits (RATAs), Cylinder Gas Audits (CGAs), Linearity Tests or CD Error Tests.

When applicable, the duration of each OOC period is summarized in the quarterly report document titled "Downtime Report". The information provided in Section VI.1b of this report provides a summary of the OOC period corrective actions. When required, the corrective actions result in the CDs (or relative accuracies) being within the allowed limits. Other periods of data loss due to analyzer maintenance, Data Acquisition and Handling System (DAHS) malfunctions, etc. are also summarized in the "Downtime Report".

T.E.S. FILER CITY STATION

4. Full Scale Exceedance: Identification of times when pollutant concentration exceeds full span of the continuous monitoring system.

Date(s) Occurred	Boiler No.	Description	Corrective Action
None	1	N / A	N / A
None	2	N / A	N / A

CEM\4th QTR10
File: 001-008-020-1-5

TES FILER CITY STATION
AIR EMISSION SUMMARY

OCTOBER 2010

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			SULFUR DIOXIDE <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			SULFUR DIOXIDE >90% SO2 REDUCTION LIMIT 30 DAY AVE			NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
MONTH	44640 /	44640	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
YTD			99.98%			99.69%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
MONTH	44622 /	44640	99.96%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
YTD			99.92%			99.56%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH
24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING
ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

OCT

TES FILER CITY STATION
AIR EMISSION SUMMARY

NOVEMBER 2010

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			SULFUR DIOXIDE <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			SULFUR DIOXIDE >90% SO2 REDUCTION LIMIT 30 DAY AVE			NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
MONTH	43200 /	43200	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%
YTD			99.98%			99.72%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
MONTH	43200 /	43200	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%
YTD			99.93%			99.60%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH
24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING
ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

TES FILER CITY STATION
AIR EMISSION SUMMARY

DECEMBER 2010

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			SULFUR DIOXIDE <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			SULFUR DIOXIDE >90% SO2 REDUCTION LIMIT 30 DAY AVE			NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
MONTH	44634 /	44640	99.99%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
YTD			99.98%			99.75%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
MONTH	44622 /	44640	99.96%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
YTD			99.93%			99.64%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH
24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING
ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

DEC

TES FILER CITY STATION
AIR EMISSION SUMMARY

4th QUARTER 2010

	OPACITY <6 MINUTE AVE OF 10 %			SULFUR DIOXIDE <24 HR AVE SO2 LIMIT OF 0.7 LB/MMBTU			SULFUR DIOXIDE <30 DAY AVE SO2 LIMIT OF 0.50 LB/MMBTU			SULFUR DIOXIDE >90% SO2 REDUCTION LIMIT 30 DAY AVE			NITROGEN OXIDES <30 DAY AVE NOX LIMIT OF 0.60 LB/MMBTU		
BOILER #1	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
OCT	44640 /	44640	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
NOV	43200 /	43200	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%
DEC	44634 /	44640	99.99%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
4th Quarter	132474 /	132480	100.00%	2,208.0 /	2,208.0	100.00%	2,208.0 /	2,208.0	100.00%	2,208.0 /	2,208.0	100.00%	2,208.0 /	2,208.0	100.00%
YTD			99.98%			99.75%			100.00%			100.00%			100.00%
BOILER #2	COMP MIN	TOT MIN	% IN COMP	COMP HRS	BLR FIRING HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP	COMP HRS	OP DAY HRS	% IN COMP
OCT	44622 /	44640	99.96%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
NOV	43200 /	43200	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%	720.0 /	720.0	100.00%
DEC	44622 /	44640	99.96%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%	744.0 /	744.0	100.00%
4th Quarter	132444 /	132480	99.97%	2,208.0 /	2,208.0	100.00%	2,208.0 /	2,208.0	100.00%	2,208.0 /	2,208.0	100.00%	2,208.0 /	2,208.0	100.00%
YTD			99.93%			99.64%			100.00%			100.00%			100.00%

OPACITY MINUTES BASED ON TOTAL # OF MINUTES IN MONTH
24 HR SO2 LIMIT (0.7) HOURS BASED ON # HOURS DURING MONTH WHILE BOILER FIRING
ALL OTHER HOURS ARE BASED ON # OF BOILER OPERATING DAYS (AS DEFINED IN 40 CFR PART 60, SUBPART DA) TIMES 24

TESFiler0001580

CEMS Daily Averages - 10/01/10 To 12/31/10

Source: Boiler 1

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Period: 10/01/10 00:00:00 To 12/31/10 23:59:59; Records = 92

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	Blr 1&2 SO2 Tons	Vld
10/01/10	24	0.453	30	0.200	24	0.211	30	91.93	30	1.90	24
10/02/10	24	0.454	30	0.217	24	0.212	30	91.87	30	2.07	24
10/03/10	24	0.455	30	0.207	24	0.211	30	91.87	30	1.89	24
10/04/10	24	0.456	30	0.253	24	0.209	30	91.88	30	2.33	24
10/05/10	24	0.454	30	0.191	24	0.209	30	91.90	30	2.07	24
10/06/10	24	0.454	30	0.253	24	0.211	30	91.80	30	2.71	24
10/07/10	24	0.454	30	0.244	24	0.213	30	91.72	30	2.40	24
10/08/10	24	0.452	30	0.262	24	0.216	30	91.59	30	2.56	24
10/09/10	24	0.451	30	0.231	24	0.218	30	91.50	30	2.39	24
10/10/10	24	0.450	30	0.265	24	0.219	30	91.46	30	2.42	24
10/11/10	24	0.451	30	0.215	23	0.219	30	91.41	30	2.15	23
10/12/10	24	0.451	30	0.274	24	0.223	30	91.26	30	2.68	24
10/13/10	24	0.451	30	0.222	24	0.225	30	91.17	30	2.18	24
10/14/10	24	0.452	30	0.229	24	0.225	30	91.11	30	2.17	24
10/15/10	24	0.452	30	0.238	24	0.227	30	91.03	30	2.40	24
10/16/10	24	0.453	30	0.235	24	0.227	30	90.99	30	2.30	24
10/17/10	24	0.455	30	0.234	24	0.227	30	90.98	30	2.39	24
10/18/10	24	0.456	30	0.225	24	0.227	30	90.97	30	2.34	24
10/19/10	24	0.457	30	0.219	24	0.228	30	90.90	30	2.06	24
10/20/10	24	0.459	30	0.238	24	0.230	30	90.82	30	2.27	24
10/21/10	24	0.460	30	0.197	24	0.227	30	90.95	30	1.99	24
10/22/10	24	0.461	30	0.169	24	0.229	30	90.87	30	1.80	24
10/23/10	24	0.460	30	0.093	24	0.225	30	90.99	30	1.20	24
10/24/10	24	0.459	30	0.176	24	0.222	30	91.08	30	1.83	24
10/25/10	24	0.459	30	0.204	24	0.220	30	91.10	30	2.13	24
10/26/10	24	0.458	30	0.247	24	0.220	30	91.05	30	2.37	24
10/27/10	24	0.457	30	0.195	24	0.220	30	91.04	30	1.99	24
10/28/10	24	0.458	30	0.193	24	0.219	30	91.05	30	1.90	24
10/29/10	24	0.459	30	0.161	24	0.217	30	91.07	30	1.62	24
10/30/10	24	0.459	30	0.175	24	0.215	30	91.10	30	1.85	24
10/31/10	24	0.460	30	0.224	24	0.216	30	91.04	30	2.31	24
11/01/10	24	0.460	30	0.181	24	0.215	30	91.06	30	1.80	24
11/02/10	24	0.460	30	0.182	23	0.214	30	91.07	30	1.82	24
11/03/10	24	0.460	30	0.172	22	0.212	30	91.16	30	1.64	24
11/04/10	24	0.460	30	0.181	24	0.211	30	91.15	30	1.67	24
11/05/10	24	0.461	30	0.204	23	0.210	30	91.19	30	2.04	23

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	Blr 1&2 SO2 Tons	Vld
11/06/10	24	0.463	30	0.204	24	0.208	30	91.20	30	2.11	24
11/07/10	24	0.464	30	0.147	24	0.204	30	91.33	30	1.65	24
11/08/10	24	0.465	30	0.173	24	0.202	30	91.39	30	1.87	24
11/09/10	24	0.466	30	0.202	24	0.200	30	91.44	30	2.15	24
11/10/10	24	0.467	30	0.191	24	0.200	30	91.47	30	1.84	24
11/11/10	24	0.468	30	0.211	24	0.197	30	91.55	30	1.96	24
11/12/10	24	0.467	30	0.197	24	0.197	30	91.59	30	2.17	24
11/13/10	24	0.467	30	0.184	24	0.195	30	91.66	30	1.95	24
11/14/10	24	0.467	30	0.227	24	0.195	30	91.67	30	2.38	24
11/15/10	24	0.466	30	0.207	24	0.194	30	91.71	30	1.97	24
11/16/10	24	0.464	30	0.177	24	0.192	30	91.78	30	1.81	24
11/17/10	24	0.463	30	0.155	24	0.190	30	91.86	30	1.80	24
11/18/10	24	0.464	30	0.185	24	0.188	30	91.90	30	1.82	24
11/19/10	24	0.464	30	0.171	24	0.186	30	91.98	30	1.61	24
11/20/10	24	0.464	30	0.245	24	0.188	30	91.89	30	2.24	24
11/21/10	24	0.464	30	0.224	24	0.190	30	91.81	30	2.02	24
11/22/10	24	0.464	30	0.215	24	0.194	30	91.65	30	1.81	24
11/23/10	24	0.465	30	0.260	24	0.197	30	91.55	30	2.50	24
11/24/10	24	0.466	30	0.238	24	0.198	30	91.51	30	2.26	24
11/25/10	24	0.465	30	0.191	24	0.196	30	91.61	30	1.93	24
11/26/10	24	0.465	30	0.173	24	0.195	30	91.65	30	2.03	24
11/27/10	24	0.464	30	0.192	24	0.195	30	91.67	30	2.03	24
11/28/10	24	0.462	30	0.196	24	0.196	30	91.63	30	2.19	24
11/29/10	24	0.461	30	0.231	24	0.198	30	91.57	30	2.33	24
11/30/10	24	0.460	30	0.160	24	0.196	30	91.67	30	1.78	24
12/01/10	24	0.460	30	0.209	24	0.197	30	91.64	30	2.00	24
12/02/10	24	0.460	30	0.240	24	0.199	30	91.57	30	2.35	24
12/03/10	24	0.461	30	0.201	24	0.200	30	91.54	30	1.98	24
12/04/10	24	0.461	30	0.219	24	0.201	30	91.51	30	2.32	24
12/05/10	24	0.460	30	0.148	24	0.199	30	91.61	30	1.66	24
12/06/10	24	0.459	30	0.214	24	0.199	30	91.62	30	2.21	24
12/07/10	24	0.458	30	0.253	24	0.203	30	91.50	30	2.35	24
12/08/10	24	0.457	30	0.233	24	0.205	30	91.43	30	2.08	24
12/09/10	24	0.457	30	0.211	24	0.205	30	91.44	30	1.97	24
12/10/10	24	0.455	30	0.181	24	0.205	30	91.46	30	1.69	24
12/11/10	24	0.453	30	0.188	24	0.204	30	91.50	30	1.88	24
12/12/10	24	0.452	30	0.248	24	0.206	30	91.45	30	2.24	24
12/13/10	24	0.452	30	0.250	24	0.208	30	91.39	30	2.36	24
12/14/10	24	0.450	30	0.346	24	0.212	30	91.29	30	2.94	24
12/15/10	24	0.450	30	0.233	24	0.213	30	91.30	30	2.41	24

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	Blr 1&2 SO2 Tons	Vld
12/16/10	24	0.450	30	0.197	24	0.214	30	91.29	30	2.15	24
12/17/10	24	0.449	30	0.260	24	0.217	30	91.17	30	2.64	24
12/18/10	24	0.448	30	0.171	24	0.217	30	91.21	30	1.88	24
12/19/10	24	0.447	30	0.149	24	0.216	30	91.27	30	1.59	24
12/20/10	24	0.446	30	0.179	24	0.214	30	91.39	30	1.82	24
12/21/10	24	0.445	30	0.207	20	0.213	30	91.42	30	1.64	20
12/22/10	24	0.444	30	0.280	24	0.215	30	91.33	30	2.12	22
12/23/10	24	0.443	30	0.177	24	0.213	30	91.43	30	2.39	24
12/24/10	24	0.443	30	0.205	24	0.211	30	91.47	30	2.02	24
12/25/10	24	0.443	30	0.226	24	0.213	30	91.42	30	2.34	24
12/26/10	24	0.442	30	0.215	24	0.214	30	91.36	30	2.33	24
12/27/10	24	0.441	30	0.272	24	0.217	30	91.26	30	2.89	24
12/28/10	24	0.441	30	0.376	24	0.223	30	91.05	30	2.63	24
12/29/10	24	0.440	30	0.177	24	0.221	30	91.13	30	1.66	24
12/30/10	24	0.440	30	0.383	24	0.228	30	90.83	30	2.64	24
12/31/10	24	0.439	30	0.166	24	0.227	30	90.90	30	1.51	24
		0.439		0.213		0.186		90.82		2.09	
		0.468		0.093		0.230		91.98		1.20	
				0.383						2.94	

CEMS Daily Averages - 10/01/10 To 12/31/10

Source: Boiler 2

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Period: 10/01/10 00:00:00 To 12/31/10 23:59:59; Records = 92

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	
10/01/10	24	0.391	30	0.205	24	0.220	30	91.80	30	0.00
10/02/10	24	0.392	30	0.217	24	0.219	30	91.77	30	0.00
10/03/10	24	0.393	30	0.186	24	0.220	30	91.74	30	0.00
10/04/10	24	0.393	30	0.224	24	0.219	30	91.74	30	0.00
10/05/10	24	0.393	30	0.235	24	0.221	30	91.68	30	0.00
10/06/10	24	0.392	30	0.309	24	0.225	30	91.54	30	0.00
10/07/10	24	0.392	30	0.255	24	0.227	30	91.47	30	0.00
10/08/10	24	0.391	30	0.271	24	0.229	30	91.40	30	0.00
10/09/10	24	0.390	30	0.265	24	0.231	30	91.33	30	0.00
10/10/10	24	0.389	30	0.242	24	0.231	30	91.31	30	0.00
10/11/10	24	0.389	30	0.249	24	0.234	30	91.21	30	0.00
10/12/10	24	0.388	30	0.282	24	0.237	30	91.08	30	0.00
10/13/10	24	0.388	30	0.230	24	0.238	30	91.02	30	0.00
10/14/10	24	0.387	30	0.221	24	0.237	30	91.03	30	0.00
10/15/10	24	0.387	30	0.261	24	0.239	30	90.95	30	0.00
10/16/10	24	0.388	30	0.245	24	0.239	30	90.94	30	0.00
10/17/10	24	0.388	30	0.263	24	0.241	30	90.88	30	0.00
10/18/10	24	0.388	30	0.261	24	0.242	30	90.82	30	0.00
10/19/10	24	0.389	30	0.214	24	0.242	30	90.82	30	0.00
10/20/10	24	0.389	30	0.241	24	0.243	30	90.81	30	0.00
10/21/10	24	0.390	30	0.219	24	0.244	30	90.77	30	0.00
10/22/10	24	0.390	30	0.207	24	0.239	30	90.96	30	0.00
10/23/10	24	0.389	30	0.154	24	0.237	30	91.00	30	0.00
10/24/10	24	0.389	30	0.205	24	0.235	30	91.03	30	0.00
10/25/10	24	0.388	30	0.245	24	0.235	30	90.99	30	0.00
10/26/10	24	0.388	30	0.261	24	0.237	30	90.89	30	0.00
10/27/10	24	0.387	30	0.224	24	0.237	30	90.84	30	0.00
10/28/10	24	0.387	30	0.203	24	0.235	30	90.86	30	0.00
10/29/10	24	0.388	30	0.172	24	0.232	30	90.92	30	0.00
10/30/10	24	0.389	30	0.209	24	0.232	30	90.86	30	0.00
10/31/10	24	0.388	30	0.255	24	0.234	30	90.76	30	0.00
11/01/10	24	0.388	30	0.194	24	0.233	30	90.75	30	0.00
11/02/10	24	0.388	30	0.205	24	0.234	30	90.71	30	0.00
11/03/10	24	0.388	30	0.178	24	0.232	30	90.76	30	0.00
11/04/10	24	0.389	30	0.178	24	0.231	30	90.79	30	0.00
11/05/10	24	0.390	30	0.240	24	0.228	30	90.83	30	0.00

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	
11/06/10	24	0.391	30	0.235	24	0.228	30	90.81	30	0.00
11/07/10	24	0.392	30	0.194	24	0.225	30	90.87	30	0.00
11/08/10	24	0.394	30	0.216	24	0.223	30	90.89	30	0.00
11/09/10	24	0.395	30	0.245	24	0.223	30	90.86	30	0.00
11/10/10	24	0.396	30	0.192	24	0.222	30	90.91	30	0.00
11/11/10	24	0.398	30	0.196	24	0.219	30	90.99	30	0.00
11/12/10	24	0.399	30	0.248	24	0.219	30	90.96	30	0.00
11/13/10	24	0.400	30	0.221	24	0.219	30	90.97	30	0.00
11/14/10	24	0.400	30	0.275	24	0.220	30	90.92	30	0.00
11/15/10	24	0.401	30	0.208	24	0.219	30	90.95	30	0.00
11/16/10	24	0.402	30	0.205	24	0.217	30	91.00	30	0.00
11/17/10	24	0.404	30	0.221	24	0.215	30	91.02	30	0.00
11/18/10	24	0.405	30	0.192	24	0.215	30	91.02	30	0.00
11/19/10	24	0.406	30	0.165	24	0.212	30	91.09	30	0.00
11/20/10	24	0.407	30	0.222	24	0.212	30	91.04	30	0.00
11/21/10	24	0.408	30	0.198	24	0.212	30	91.02	30	0.00
11/22/10	24	0.408	30	0.171	24	0.212	30	90.99	30	0.00
11/23/10	24	0.411	30	0.261	24	0.214	30	90.90	30	0.00
11/24/10	24	0.412	30	0.227	24	0.214	30	90.91	30	0.00
11/25/10	24	0.413	30	0.213	24	0.212	30	90.99	30	0.00
11/26/10	24	0.414	30	0.247	24	0.213	30	90.98	30	0.00
11/27/10	24	0.414	30	0.228	24	0.214	30	90.96	30	0.00
11/28/10	24	0.414	30	0.252	24	0.216	30	90.86	30	0.00
11/29/10	24	0.414	30	0.252	24	0.218	30	90.81	30	0.00
11/30/10	24	0.414	30	0.215	24	0.216	30	90.87	30	0.00
12/01/10	24	0.415	30	0.211	24	0.217	30	90.84	30	0.00
12/02/10	24	0.416	30	0.251	24	0.218	30	90.76	30	0.00
12/03/10	24	0.417	30	0.206	24	0.219	30	90.73	30	0.00
12/04/10	24	0.419	30	0.259	24	0.222	30	90.63	30	0.00
12/05/10	24	0.419	30	0.194	24	0.221	30	90.72	30	0.00
12/06/10	24	0.420	30	0.242	24	0.221	30	90.74	30	0.00
12/07/10	24	0.420	30	0.236	24	0.222	30	90.71	30	0.00
12/08/10	24	0.420	30	0.200	24	0.222	30	90.74	30	0.00
12/09/10	24	0.419	30	0.196	24	0.220	30	90.81	30	0.00
12/10/10	24	0.419	30	0.172	24	0.219	30	90.83	30	0.00
12/11/10	24	0.418	30	0.202	24	0.220	30	90.82	30	0.00
12/12/10	24	0.418	30	0.226	24	0.219	30	90.85	30	0.00
12/13/10	24	0.417	30	0.248	24	0.220	30	90.83	30	0.00
12/14/10	24	0.417	30	0.277	24	0.220	30	90.88	30	0.00
12/15/10	24	0.416	30	0.273	24	0.222	30	90.83	30	0.00

Date	Operating Hours CEMS	NOx 30-Day lb/mmBt	Vld	SO2 24-Hr lb/mmBt	Vld	SO2 30-Day lb/mmBt	Vld	SO2 30-Day % Red.	Vld	
12/16/10	24	0.416	30	0.249	24	0.224	30	90.79	30	0.00
12/17/10	24	0.415	30	0.287	24	0.226	30	90.72	30	0.00
12/18/10	24	0.414	30	0.219	24	0.227	30	90.70	30	0.00
12/19/10	24	0.413	30	0.179	24	0.227	30	90.70	30	0.00
12/20/10	24	0.412	30	0.199	24	0.226	30	90.76	30	0.00
12/21/10	24	0.411	30	0.200	20	0.227	30	90.76	30	0.00
12/22/10	24	0.411	30	0.201	22	0.228	30	90.72	30	0.00
12/23/10	24	0.410	30	0.310	24	0.229	30	90.65	30	0.00
12/24/10	24	0.408	30	0.212	24	0.229	30	90.67	30	0.00
12/25/10	24	0.408	30	0.256	24	0.230	30	90.61	30	0.00
12/26/10	24	0.407	30	0.263	24	0.231	30	90.59	30	0.00
12/27/10	24	0.407	30	0.315	24	0.234	30	90.48	30	0.00
12/28/10	24	0.407	30	0.187	24	0.232	30	90.58	30	0.00
12/29/10	24	0.406	30	0.171	24	0.229	30	90.71	30	0.00
12/30/10	24	0.406	30	0.184	24	0.228	30	90.76	30	0.00
12/31/10	24	0.405	30	0.155	24	0.226	30	90.85	30	0.00
				0.225						0.00
		0.387		0.154		0.212		90.48		0.00
		0.420		0.315		0.244		91.80		0.00

TESFiler0001587

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 Opacity

Emission Limitation: 10

Reporting Period Dates: From 10/01/2010 To 12/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/15/08

Total Source Operating Time in Reporting Period: 22080 periods

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	1	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	1	0.00

Durations in 6-minute periods

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	1	0.00
2. Total duration of excess emissions.....	1	0.00

Durations in 6-minute periods

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	1-27-11
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 NOx lb/mmBtu 30-Day

Emission Limitation: 0.60

Reporting Period Dates: From 10/01/2010 To 12/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	3	0.14
2. Non-Monitor CEMS Equipment Malfunction	4	0.18
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	8	0.36

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....		

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	1-27-11
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO2 lb/mmBtu 24-Hr

Emission Limitation: 0.7

Reporting Period Dates: From 10/01/2010 To 12/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/19/10

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	3	0.14
2. Non-Monitor CEMS Equipment Malfunction	4	0.18
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	8	0.36

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....		

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice — NAME

Jason M. Prentice — SIGNATURE

Env. Planner — TITLE

1-27-11 — DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO2 lb/mmBtu 30-Day

Emission Limitation: 0.5

Reporting Period Dates: From 10/01/2010 To 12/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/19/10

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	3	0.14
2. Non-Monitor CEMS Equipment Malfunction	4	0.18
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	8	0.36

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....		

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	1-27-11
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 SO2 Reduction 30-Day

Emission Limitation: 90

Reporting Period Dates: From 10/01/2010 To 12/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 08/19/10

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	5	0.23
2. Non-Monitor CEMS Equipment Malfunction	4	0.18
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	10	0.45

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....		

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	1-27-11
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boilers Total SO2 Tons

Emission Limitation: 6.45

Reporting Period Dates: From 10/01/2010 To 12/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boilers

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	1	0.05
3. Calibration/QA	6	0.27
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	7	0.32

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....		

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	1-27-11
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 CO lb/mmBtu 8-Hr

Emission Limitation: 0.3

Reporting Period Dates: From 10/01/2010 To 12/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	3	0.14
2. Non-Monitor CEMS Equipment Malfunction	4	0.18
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	8	0.36

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....		

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	1-27-11
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 1 CO lb/hr 8-Hr

Emission Limitation: 115.2

Reporting Period Dates: From 10/01/2010 To 12/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 1

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	3	0.14
2. Non-Monitor CEMS Equipment Malfunction	4	0.18
3. Calibration/QA	1	0.05
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	8	0.36

Durations in hours

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary		
	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....		

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	1-27-11
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 Opacity

Emission Limitation: 10

Reporting Period Dates: From 10/01/2010 To 12/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/15/08

Total Source Operating Time in Reporting Period: 22080 periods

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	1	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	1	0.00

Durations in 6-minute periods

(1) % Unavailable is calculated by the following formula:
% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	1	0.00
3. Process Problems	5	0.02
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	6	0.03

Durations in 6-minute periods

(2) % Excess Emissions is calculated by the following formulas:
% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	1-27-11
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 NOx lb/mmBtu 30-Day

Emission Limitation: 0.60

Reporting Period Dates: From 10/01/2010 To 12/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	5	0.23
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	5	0.23

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....		

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice — NAME

Jason M. Prentice — SIGNATURE

Env. Planner — TITLE

1-27-11 — DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 SO2 lb/mmBtu 24-Hr

Emission Limitation: 0.7

Reporting Period Dates: From 10/01/2010 To 12/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 11/05/10

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:	0	0.00
1. Monitor Equipment Malfunctions	6	0.27
2. Non-Monitor CEMS Equipment Malfunction	0	0.00
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	6	0.27
2. Total CEMS Downtime		

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:	0	0.00
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....		

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	1-27-11
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 SO2 lb/mmBtu 30-Day

Emission Limitation: 0.5

Reporting Period Dates: From 10/01/2010 To 12/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 11/05/10

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	6	0.27
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	6	0.27

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

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Jason M. Prentice	Jason M. Prentice	Env. Planner	1-27-11
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 SO2 Reduction 30-Day

Emission Limitation: 90

Reporting Period Dates: From 10/01/2010 To 12/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 11/05/10

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	6	0.27
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	6	0.27

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	1-27-11
NAME	SIGNATURE	TITLE	DATE

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 CO lb/mmBtu 8-Hr

Emission Limitation: 0.3

Reporting Period Dates: From 10/01/2010 To 12/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	5	0.23
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	5	0.23

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

Jason M. Prentice Jason M. Prentice Env. Planner 1-27-11

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: Boiler 2 CO lb/hr 8-Hr

Emission Limitation: 115.2

Reporting Period Dates: From 10/01/2010 To 12/31/2010

Company Name: T.E.S. Filer City Station

Address: Filer City, MI

Process Unit Description: Boiler 2

Date of Last CEMS Certification or Audit: 09/16/08

Total Source Operating Time in Reporting Period: 2208 hours

CEMS Performance Summary	Total CEMS Downtimes including exemptions	
	Duration	% Unavailable (1)
1. CEMS downtime in reporting period due to:		
1. Monitor Equipment Malfunctions	0	0.00
2. Non-Monitor CEMS Equipment Malfunction	5	0.23
3. Calibration/QA	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total CEMS Downtime	5	0.23

Durations in hours

(1) % Unavailable is calculated by the following formula:

% Unavailable = CEMS Downtime during Source Operating Time/ Source Operating Time x 100

Emission Data Summary	Duration	% Excess Emissions(2)
1. Duration of excess emissions in reporting period due to:		
1. Startup/Shutdown	0	0.00
2. Control Equip Problems	0	0.00
3. Process Problems	0	0.00
4. Other Known Causes	0	0.00
5. Unknown Causes	0	0.00
2. Total duration of excess emissions.....	0	0.00

Durations in hours

(2) % Excess Emissions is calculated by the following formulas:

% Excess Emissions = Total Duration of Excess Emissions/ Source Operating Time x 100

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Jason M. Prentice	Jason M. Prentice	Env. Planner	1-27-11
NAME	SIGNATURE	TITLE	DATE

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: Opacity

Data in the Reporting Period: 10/01/10 to 12/31/10

Incid. No.	Start Date	End Date	Duration Periods	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	12/03/10 07:48:40	12/03/10 07:53:40	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	

Total Downtime in the Reporting Period = 1 Periods , Data Availability for this Reporting Period = 100.00 %

Total Operating Time in the Reporting Period = 22080 Periods

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: NOx CEMS

Data in the Reporting Period: 10/01/10 to 12/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	10/11/10 11:00:38	10/11/10 11:59:38	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Unknown - under observation
2	11/02/10 23:00:37	11/03/10 01:59:43	3	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Unit in zero calibration to repair and calibrate IR Issue in
3	11/05/10 13:00:40	11/05/10 13:59:40	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Performing maintenance on U 1 NOX causing lost hour.
4	12/21/10 05:00:37	12/21/10 07:59:38	3	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim working on fixing fixes installed on 12-20-2010.

Total Downtime in the Reporting Period = 8 hours , Data Availability for this Reporting Period = 99.64 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Source: Boiler 1

Parameter: SO2 CEMS

Data in the Reporting Period: 10/01/10 to 12/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	10/11/10 11:00:38	10/11/10 11:59:38	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Unknown - Under observation
2	11/02/10 23:00:37	11/03/10 01:59:43	3	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Unit in zero calibration to repair and calibrate IR Issue in
3	11/05/10 13:00:40	11/05/10 13:59:40	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Performing maintenance on NOX causing lost hour.
4	12/21/10 05:00:37	12/21/10 07:59:38	3	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim working on fixing fixes installed on 12-20-2010.

Total Downtime in the Reporting Period = 8 hours , Data Availability for this Reporting Period = 99.64 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: CO CEMS

Data in the Reporting Period: 10/01/10 to 12/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	10/11/10 11:00:38	10/11/10 11:59:38	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Unknown - Under Observation
2	11/02/10 23:00:37	11/03/10 01:59:43	3	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Unit in zero calibration to repair and calibrate IR Issue in
3	11/05/10 13:00:40	11/05/10 13:59:40	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Performing maintenance on NOX causing lost hour.
4	12/21/10 05:00:37	12/21/10 07:59:38	3	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim working on programming issues installed on

Total Downtime in the Reporting Period = 8 hours , Data Availability for this Reporting Period = 99.64 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: CO2 Analyzer

Data in the Reporting Period: 10/01/10 to 12/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	10/11/10 11:00:38	10/11/10 11:59:38	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Unknown - Under Observation
2	11/02/10 23:00:37	11/03/10 01:59:43	3	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Replaced IR light source, ran auto daily cal after repair.
3	11/05/10 13:00:40	11/05/10 13:59:40	1	15=Preventative Maintenance	3=Quality Assurance Calibrations	Performing maintenance on NOX causing lost hour.
4	12/21/10 05:00:37	12/21/10 07:59:38	3	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim working on programming issues installed on

Total Downtime in the Reporting Period = 8 hours , Data Availability for this Reporting Period = 99.64 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: Flow Analyzer

Data in the Reporting Period: 10/01/10 to 12/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	10/11/10 11:00:38	10/11/10 11:59:38	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Unknown - Under Observation

Total Downtime in the Reporting Period = 1 hours , Data Availability for this Reporting Period = 99.95 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: Inlet SO2 CEMS

Data in the Reporting Period: 10/01/10 to 12/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	10/11/10 11:00:38	10/11/10 11:59:38	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Unknown - Under Observation
2	12/17/10 16:00:41	12/17/10 17:59:42	2	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Unit in zero cal to repair/calibrate CO2 following motor
3	12/21/10 06:00:42	12/21/10 08:59:38	3	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim working on fixing fixes installed on 12-20-2010.

Total Downtime in the Reporting Period = 6 hours , Data Availability for this Reporting Period = 99.73 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: Inlet CO2 Analyzer

Data in the Reporting Period: 10/01/10 to 12/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	10/11/10 11:00:38	10/11/10 11:59:38	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Unknown - Under observation
2	12/17/10 16:00:41	12/17/10 17:59:42	2	16=Primary Analyzer Malfunction	1=Monitor Equip Malfunctions	Replaced Correlation motor, ran multi point/ Auto daily
3	12/21/10 06:00:42	12/21/10 08:59:38	3	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim working on fixing fixes installed on 12-20-2010.

Total Downtime in the Reporting Period = 6 hours , Data Availability for this Reporting Period = 99.73 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Parameter: Opacity

Data in the Reporting Period: 10/01/10 to 12/31/10

Incid. No.	Start Date	End Date	Duration Periods	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	12/03/10 07:48:39	12/03/10 07:53:39	1	14=Recalibration	3=Quality Assurance Calibrations	Technician training in how to start Auto cal manually.

Total Downtime in the Reporting Period = 1 Periods , Data Availability for this Reporting Period = 100.00 %

Total Operating Time in the Reporting Period = 22080 Periods

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Parameter: NOx CEMS

Data in the Reporting Period: 10/01/10 to 12/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	12/21/10 05:00:37	12/21/10 08:59:37	4	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim working on issues in programming installed on
2	12/22/10 06:00:39	12/22/10 06:59:39	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim working on issues in programming installed on

Total Downtime in the Reporting Period = 5 hours , Data Availability for this Reporting Period = 99.77 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Parameter: SO2 CEMS

Data in the Reporting Period: 10/01/10 to 12/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	12/21/10 05:00:37	12/21/10 08:59:37	4	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim working on issues in programming installed on
2	12/22/10 05:00:39	12/22/10 06:59:39	2	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim working on issues in programming installed on

Total Downtime in the Reporting Period = 6 hours , Data Availability for this Reporting Period = 99.73 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Parameter: CO CEMS

Data in the Reporting Period: 10/01/10 to 12/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	12/21/10 05:00:37	12/21/10 08:59:37	4	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim working on fixing fixes installed on 12-20-2010.
2	12/22/10 06:00:39	12/22/10 06:59:39	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim working on issues in programming installed on

Total Downtime in the Reporting Period = 5 hours , Data Availability for this Reporting Period = 99.77 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Parameter: CO2 Analyzer

Data in the Reporting Period: 10/01/10 to 12/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	12/21/10 05:00:37	12/21/10 08:59:37	4	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim working on issues in programming installed on
2	12/22/10 06:00:39	12/22/10 06:59:39	1	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim working on issues in programming installed on

Total Downtime in the Reporting Period = 5 hours , Data Availability for this Reporting Period = 99.77 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Parameter: Flow Analyzer

Data in the Reporting Period: 10/01/10 to 12/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
						No Incidents found in this Reporting Period

Total Downtime in the Reporting Period = 0 hours , Data Availability for this Reporting Period = 100%

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Parameter: Inlet SO2 CEMS

Data in the Reporting Period: 10/01/10 to 12/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	12/21/10 06:00:37	12/21/10 08:59:37	3	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim working on issues in programming installed on

Total Downtime in the Reporting Period = 3 hours , Data Availability for this Reporting Period = 99.86 %

Total Operating Time in the Reporting Period = 2208 hours

Downtime Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Parameter: Inlet CO2 Analyzer

Data in the Reporting Period: 10/01/10 to 12/31/10

Incid. No.	Start Date	End Date	Duration hours	Reason (Monitoring Code)	EPA Downtime Category	Corrective Action
1	12/21/10 06:00:37	12/21/10 08:59:37	3	18=Data Handling System Malfunction	2=Non-Monitor Equip Malfunctions	Vim working on issues in programming installed on

Total Downtime in the Reporting Period = 3 hours , Data Availability for this Reporting Period = 99.86 %

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Limit: 10

Parameter: Opacity

Data in the Reporting Period: 10/01/10 to 12/31/10

Inc No.	Start Date	End Date	Duration Periods	Emission Reading	EPA Category	Reason for Incident	Corrective Action
1	12/07/10 15:54:39	12/07/10 15:59:39	1	16.00	Unknown Causes		

Total Duration in the Reporting Period = 1 Periods , Percentage of Operating Time above Excess Emission Limit = 0.00 %

Total Operating Time in the Reporting Period = 22080 Periods

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: NOx lb/mmBtu 30-Day

Limit: 0.60

Data in the Reporting Period: 10/01/10 to 12/31/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: SO2 lb/mmBtu 24-Hr

Data in the Reporting Period: 10/01/10 to 12/31/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Limit: 0.5

Parameter: SO2 lb/mmBtu 30-Day

Data in the Reporting Period: 10/01/10 to 12/31/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Limit: 90

Parameter: SO2 Reduction 30-Day

Data in the Reporting Period: 10/01/10 to 12/31/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boilers

Limit: 6.45

Parameter: Total SO2 Tons

Data in the Reporting Period: 10/01/10 to 12/31/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: CO lb/mmBtu 8-Hr

Data in the Reporting Period: 10/01/10 to 12/31/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 1

Parameter: CO lb/hr 8-Hr

Data in the Reporting Period: 10/01/10 to 12/31/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Limit: 10

Parameter: Opacity

Data in the Reporting Period: 10/01/10 to 12/31/10

Inc No.	Start Date	End Date	Duration Periods	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
1	10/05/10 09:06:42	10/05/10 09:11:42	1	13	13	Control Equip Problems	Baghouse bypass Hi temp.	Returned to service.
2	10/08/10 09:36:38	10/08/10 09:41:38	1	21	21	Process Problems	Process Upsets-Quench Test	Completed Quench Test
3	10/12/10 09:30:41	10/12/10 09:35:41	1	12	12	Process Problems	Process Problems-Atomizer changeout	Completed Atomizer Changeout
4	12/12/10 20:24:43	12/12/10 20:35:40	2	18	22	Process Problems	Soot Blowing	Completed Soot Blowing
5	12/12/10 20:48:40	12/12/10 20:53:40	1	19	19	Process Problems	Soot Blowing	Completed Soot Blowing

Total Duration in the Reporting Period = 6 Periods , Percentage of Operating Time above Excess Emission Limit = 0.03 %

Total Operating Time in the Reporting Period = 22080 Periods

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Limit: 0.60

Parameter: NOx lb/mmBtu 30-Day

Data in the Reporting Period: 10/01/10 to 12/31/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Parameter: SO2 lb/mmBtu 24-Hr

Data in the Reporting Period: 10/01/10 to 12/31/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Limit: 0.5

Parameter: SO2 lb/mmBtu 30-Day

Data in the Reporting Period: 10/01/10 to 12/31/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Limit: 90

Parameter: SO2 Reduction 30-Day

Data in the Reporting Period: 10/01/10 to 12/31/10

Inc No.	Start Date	End Date	Duration hours	Emission Average	Emission Max	EPA Category	Reason for Incident	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Parameter: CO lb/mmBtu 8-Hr

Data in the Reporting Period: 10/01/10 to 12/31/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Excess Emissions Report

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Source: Boiler 2

Parameter: CO lb/hr 8-Hr

Data in the Reporting Period: 10/01/10 to 12/31/10

Inc No.	Start Date	End Date	Duration hours	Emission	Limit	EPA Category	Reason for Excess Emission	Corrective Action
								No Incidents found in this Reporting Period

Total Duration in the Reporting Period = 0 hours

Total Operating Time in the Reporting Period = 2208 hours

Linearity Test Report - 2010Q4

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Blr 1 NOx High Audit Test Results Analyzer Span: 500.00 ppm

Serial Number: 0623017966

Mfr & Model: Thermo 42i

Low-Level Calibration Gas (20-30% of Span) (100.00 ppm - 150.00 ppm)
Concentration: 125.50
Cylinder No.: CC89270
Expiration Date: 02/08/12

Mid-Level Calibration Gas (50-60% of Span) (250.00 ppm - 300.00 ppm)
Concentration: 277.20
Cylinder No.: CC28632
Expiration Date: 02/08/12

High-Level Calibration Gas (80-100% of Span) (400.00 ppm - 500.00 ppm)
Concentration: 437.50
Cylinder No.: CC95343
Expiration Date: 06/23/12

Test Date: 11/05/10 Tester: Dan Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	14:33:00	130.90	14:38:00	283.60	14:43:00	440.50
Run 2	14:55:04	130.50	15:00:08	282.40	15:05:08	438.40
Run 3	15:25:36	130.10	15:30:37	282.70	15:35:40	439.70
Avg. Monitor Response		130.500		282.900		439.533
Linearity Error		4.0		2.1		0.5
Absolute Difference		5.0		5.7		2.0
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS} \mid \text{Cal. Gas Concentration - Avg. Monitor Response} \mid}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS | Cal. Gas Concentration - Avg. Monitor Response |

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

Report Printed on: 01/19/11 09:48:02

Linearity Test Report - 2010Q4

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Blr 1 SO2 Low Audit Test Results Analyzer Span: 200.00 ppm

Serial Number: 0622717877

Mfr & Model: Thermo 43i

Low-Level Calibration Gas (20-30% of Span) (40.000 ppm - 60.000 ppm)
Concentration: 48.700
Cylinder No.: CC89270
Expiration Date: 02/08/12

Mid-Level Calibration Gas (50-60% of Span) (100.00 ppm - 120.00 ppm)
Concentration: 111.20
Cylinder No.: CC28632
Expiration Date: 02/08/12

High-Level Calibration Gas (80-100% of Span) (160.00 ppm - 200.00 ppm)
Concentration: 181.90
Cylinder No.: CC95343
Expiration Date: 06/23/12

Test Date: 11/05/10 Tester: Dan Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	10:40:37	50.800	10:45:41	113.20	10:50:42	181.60
Run 2	11:43:38	49.400	11:48:40	112.10	11:53:41	181.90
Run 3	14:33:00	49.500	14:38:00	112.50	14:43:00	182.30
Avg. Monitor Response		49.900		112.600		181.933
Linearity Error		2.5		1.3		0.0
Absolute Difference		1.2		1.4		0.0
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS I Cal. Gas Concentration - Avg. Monitor Response I}}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS I Cal. Gas Concentration - Avg. Monitor Response I

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

Report Printed on: 01/19/11 08:56:24

Linearity Test Report - 2010Q4

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 1 SO2 High Audit Test Results Analyzer Span: 1500.0 ppm

Mfr & Model: Thermo 43i

Serial Number: 0622717877

Low-Level Calibration Gas (20-30% of Span) (300.00 ppm - 450.00 ppm)
Concentration: 378.30
Cylinder No.: CC81480
Expiration Date: 03/12/12

Mid-Level Calibration Gas (50-60% of Span) (750.00 ppm - 900.00 ppm)
Concentration: 832.70
Cylinder No.: CC62032
Expiration Date: 02/09/13

High-Level Calibration Gas (80-100% of Span) (1200.0 ppm - 1500.0 ppm)
Concentration: 1383.0
Cylinder No.: EB0013339
Expiration Date: 09/29/13

Test Date: 11/09/10

Tester: Dan Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	08:23:44	386.10	08:28:45	838.70	08:33:46	1377.2
Run 2	09:23:40	383.70	09:28:41	843.20	09:33:34	1383.9
Run 3	10:23:35	385.10	10:28:35	842.70	10:33:34	1383.8
Avg. Monitor Response		384.970		841.530		1381.60
Linearity Error		1.8		1.1		0.1
Absolute Difference		6.7		8.8		1.4
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS} \mid \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} \mid}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS | Cal. Gas Concentration - Avg. Monitor Response |

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

Report Printed on: 01/19/11 08:56:51

Linearity Test Report - 2010Q4

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Blr 1 CO2 Audit Test Results Analyzer Span: 20.000 %

Serial Number: 0622717869

Mfr & Model: Thermo 410I

Low-Level Calibration Gas (20-30% of Span) (4.000 % - 6.000 %)
Concentration: 5.540
Cylinder No.: CC89270
Expiration Date: 02/08/12

Mid-Level Calibration Gas (50-60% of Span) (10.000 % - 12.000 %)
Concentration: 11.080
Cylinder No.: CC28632
Expiration Date: 02/08/12

High-Level Calibration Gas (80-100% of Span) (16.000 % - 20.000 %)
Concentration: 17.610
Cylinder No.: CC95343
Expiration Date: 06/23/12

Test Date: 11/05/10 Tester: Dan Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	10:40:37	5.450	10:45:41	11.000	10:50:42	17.500
Run 2	11:43:38	5.460	11:48:40	10.970	11:53:41	17.590
Run 3	14:33:00	5.450	14:38:00	10.960	14:43:00	17.550
Avg. Monitor Response		5.453		10.977		17.547
Linearity Error		1.6		0.9		0.4
Absolute Difference		0.1		0.1		0.1
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS} \mid \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} \mid}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS | Cal. Gas Concentration - Avg. Monitor Response |

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

Report Printed on: 01/19/11 08:57:18

CGA Test Report - 2010Q4

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Blr 1 CO High Audit Test Results Analyzer Span: 500.0 ppm

Mfr & Model: Thermo 48i Serial Number: 0622717887

Low-Level Calibration Gas (20-30% of Span) (100.0 ppm - 150.0 ppm)
Concentration: 124.1
Cylinder No.: CC89270
Expiration Date: 02/08/12

Mid-Level Calibration Gas (50-60% of Span) (250.0 ppm - 300.0 ppm)
Concentration: 273.7
Cylinder No.: CC28632
Expiration Date: 02/08/12

Test Date: 11/05/10 Tester: Dan Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	10:40:37	130.2	10:45:41	281.2
Run 2	11:43:38	130.2	11:48:40	279.2
Run 3	14:33:00	128.2	14:38:00	278.2
Avg. Monitor Response		129.5		279.5
Calibration Error		4.4		2.1
Absolute Difference		5.4		5.8
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response - Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Danny L. Hintzman

Print Name: Danny L. Hintzman
Technician/Service Representative

Report Printed on: 01/24/11 16:17:38

CGA Test Report - 2010Q4

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Blr 1 Inlet SO2 Audit Test Results Analyzer Span: 1500.0 ppm

Serial Number: 0622717879

Mfr & Model: Thermo 43i

Low-Level Calibration Gas (20-30% of Span) (300.0 ppm - 450.0 ppm)
Concentration: 378.3
Cylinder No.: CC81480
Expiration Date: 03/12/12

Mid-Level Calibration Gas (50-60% of Span) (750.0 ppm - 900.0 ppm)
Concentration: 832.7
Cylinder No.: CC62032
Expiration Date: 02/09/13

Test Date: 11/05/10 Tester: Dan Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	10:44:36	395.6	10:50:42	847.5
Run 2	11:44:37	396.8	11:50:38	840.6
Run 3	12:44:39	392.3	12:50:40	842.4
Avg. Monitor Response		394.9		843.5
Calibration Error		4.4		1.3
Absolute Difference		16.6		10.8
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response - Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Danny L. Hintzman

Print Name: Danny L. Hintzman

Technician/Service Representative

Report Printed on: 01/19/11 08:57:30

CGA Test Report - 2010Q4

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Blr 1 Inlet CO2 Audit Test Results Analyzer Span: 20.00 %

Mfr & Model: Thermo 410i Serial Number: 0622717873

Low-Level Calibration Gas (5.00% - 8.00%)
Concentration: 5.54
Cylinder No.: CC81480
Expiration Date: 03/12/12

Mid-Level Calibration Gas (10.00% - 14.00%)
Concentration: 11.09
Cylinder No.: CC62032
Expiration Date: 02/09/13

Test Date: 11/05/10 Tester: Dan Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	10:44:36	5.62	10:50:42	11.11
Run 2	11:44:37	5.61	11:50:38	11.12
Run 3	12:44:39	5.62	12:50:40	11.10
Avg. Monitor Response		5.62		11.11
Calibration Error		1.4		0.2
Absolute Difference		0.08		0.02
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response - Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Danny L. Hintzman

Print Name: Danny L. Hintzman

Technician/Service Representative

Report Printed on: 01/19/11 08:57:39

Linearity Test Report - 2010Q4

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Blr 2 NOx High Audit Test Results Analyzer Span: 500.00 ppm

Serial Number: 0623017967

Mfr & Model: Thermo 42i

Low-Level Calibration Gas (20-30% of Span) (100.00 ppm - 150.00 ppm)
Concentration: 125.50
Cylinder No.: CC89270
Expiration Date: 02/08/12

Mid-Level Calibration Gas (50-60% of Span) (250.00 ppm - 300.00 ppm)
Concentration: 277.20
Cylinder No.: CC28632
Expiration Date: 02/08/12

High-Level Calibration Gas (80-100% of Span) (400.00 ppm - 500.00 ppm)
Concentration: 437.50
Cylinder No.: CC95343
Expiration Date: 06/23/12

Test Date: 11/05/10 Tester: Dan Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	10:40:46	128.20	10:45:47	279.80	10:50:46	436.30
Run 2	11:43:42	127.80	11:48:42	279.10	11:53:37	436.30
Run 3	12:43:38	128.00	12:48:46	278.90	12:53:41	434.70
Avg. Monitor Response		128.000		279.270		435.770
Linearity Error		2.0		0.7		0.4
Absolute Difference		2.5		2.1		1.7
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS} \mid \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} \mid}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS | Cal. Gas Concentration - Avg. Monitor Response |

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

Report Printed on: 01/19/11 08:58:00

Linearity Test Report - 2010Q4

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Blr 2 SO2 Low Audit Test Results Analyzer Span: 200.00 ppm

Serial Number: 0622717880

Mfr & Model: Thermo 43i

Low-Level Calibration Gas (20-30% of Span) (40.000 ppm - 60.000 ppm)
Concentration: 48.700
Cylinder No.: CC89270
Expiration Date: 02/08/12

Mid-Level Calibration Gas (50-60% of Span) (100.00 ppm - 120.00 ppm)
Concentration: 111.20
Cylinder No.: CC28632
Expiration Date: 02/08/12

High-Level Calibration Gas (80-100% of Span) (160.00 ppm - 200.00 ppm)
Concentration: 181.90
Cylinder No.: CC95343
Expiration Date: 06/23/12

Test Date: 11/05/10 Tester: Dan Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	10:40:46	50.200	10:45:47	113.40	10:50:46	182.60
Run 2	11:43:42	48.700	11:48:42	112.80	11:53:37	182.60
Run 3	12:43:38	49.400	12:48:46	113.00	12:53:41	181.20
Avg. Monitor Response		49.433		113.070		182.130
Linearity Error		1.5		1.7		0.1
Absolute Difference		0.7		1.9		0.2
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS} \mid \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} \mid}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS | Cal. Gas Concentration - Avg. Monitor Response |

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

Report Printed on: 01/19/11 08:58:13

Linearity Test Report - 2010Q4

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Blr 2 SO2 High Audit Test Results Analyzer Span: 1500.0 ppm

Serial Number: 0622717880

Mfr & Model: Thermo 43I

Low-Level Calibration Gas (20-30% of Span) (300.00 ppm - 450.00 ppm)
Concentration: 378.30
Cylinder No.: CC81480
Expiration Date: 03/12/12

Mid-Level Calibration Gas (50-60% of Span) (750.00 ppm - 900.00 ppm)
Concentration: 832.70
Cylinder No.: CC62032
Expiration Date: 02/09/13

High-Level Calibration Gas (80-100% of Span) (1200.0 ppm - 1500.0 ppm)
Concentration: 1383.0
Cylinder No.: EB0013339
Expiration Date: 09/29/13

Test Date: 11/09/10 Tester: Dan Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	08:23:41	383.70	08:28:41	830.70	08:33:45	1366.2
Run 2	09:23:42	383.70	09:28:38	830.00	09:33:42	1362.3
Run 3	10:23:43	383.20	10:28:42	832.50	10:33:46	1368.0
Avg. Monitor Response		383.530		831.070		1365.50
Linearity Error		1.4		0.2		1.3
Absolute Difference		5.2		1.6		17.5
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS} \mid \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} \mid}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS | Cal. Gas Concentration - Avg. Monitor Response |

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

Report Printed on: 01/19/11 08:58:26

Linearity Test Report - 2010Q4

Facility Name: T.E.S. Filer City Station

Location: Filer City, MI

Blr 2 CO2 Audit Test Results Analyzer Span: 20.000 %

Mfr & Model: Thermo 410I

Serial Number: 0622717874

Low-Level Calibration Gas (20-30% of Span) (4.000 % - 6.000 %)
Concentration: 5.540
Cylinder No.: CC89270
Expiration Date: 02/08/12

Mid-Level Calibration Gas (50-60% of Span) (10.000 % - 12.000 %)
Concentration: 11.080
Cylinder No.: CC28632
Expiration Date: 02/08/12

High-Level Calibration Gas (80-100% of Span) (16.000 % - 20.000 %)
Concentration: 17.610
Cylinder No.: CC95343
Expiration Date: 06/23/12

Test Date: 11/05/10 Tester: Dan Hintzman

	Low		Mid		High	
	Time	Monitor Value	Time	Monitor Value	Time	Monitor Value
Run 1	10:40:46	5.480	10:45:47	11.070	10:50:46	17.600
Run 2	11:43:42	5.480	11:48:42	11.050	11:53:37	17.600
Run 3	12:43:38	5.490	12:48:46	11.060	12:53:41	17.570
Avg. Monitor Response		5.483		11.060		17.590
Linearity Error		1.0		0.2		0.1
Absolute Difference		0.1		0.0		0.0
Test Status		Pass		Pass		Pass

$$\text{Linearity Error} = \frac{\text{ABS} \mid \text{Cal. Gas Concentration} - \text{Avg. Monitor Response} \mid}{\text{Cal. Gas Concentration}} \times 100$$

Absolute Difference = ABS | Cal. Gas Concentration - Avg. Monitor Response |

Acceptable results for a successful linearity test for NOx/SO2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 5 ppm

Acceptable results for a successful linearity test for CO2/O2 analyzers: Linearity error <= 5.0% or Abs. Difference <= 0.5 %

Acceptable results for a successful linearity test for Hg analyzers: Linearity error <= 10.0% or Abs. Difference <= 0.8 ug/scm

Report Printed on: 01/19/11 11:07:58

CGA Test Report - 2010Q4

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Blr 2 CO High Audit Test Results Analyzer Span: 500.0 ppm

Serial Number: 0622717888

Mfr & Model: Thermo 48i

Low-Level Calibration Gas (20-30% of Span) (100.0 ppm - 150.0 ppm)
Concentration: 124.1
Cylinder No.: CC89270
Expiration Date: 02/08/12

Mid-Level Calibration Gas (50-60% of Span) (250.0 ppm - 300.0 ppm)
Concentration: 273.7
Cylinder No.: CC28632
Expiration Date: 02/08/12

Test Date: 11/05/10 Tester: Dan Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	10:40:46	134.2	10:45:47	283.4
Run 2	11:43:42	130.0	11:48:42	276.4
Run 3	12:43:38	129.4	12:48:46	278.2
Avg. Monitor Response		131.2		279.3
Calibration Error		5.7		2.0
Absolute Difference		7.1		5.6
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response - Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Danny L. Hintzman

Print Name: Danny L. Hintzman

Technician/Service Representative

Report Printed on: 01/24/11 16:18:31

CGA Test Report - 2010Q4

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Blr 2 Inlet SO2 Audit Test Results Analyzer Span: 1500.0 ppm

Serial Number: 0622717883

Mfr & Model: Thermo 43i

Low-Level Calibration Gas (20-30% of Span) (300.0 ppm - 450.0 ppm)
Concentration: 378.3
Cylinder No.: CC81480
Expiration Date: 03/12/12

Mid-Level Calibration Gas (50-60% of Span) (750.0 ppm - 900.0 ppm)
Concentration: 832.7
Cylinder No.: CC82032
Expiration Date: 02/09/13

Test Date: 11/05/10 Tester: Dan Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	10:44:42	386.1	10:50:46	841.8
Run 2	11:44:42	383.6	11:50:41	840.5
Run 3	12:44:42	385.2	12:50:45	837.9
Avg. Monitor Response		385.0		840.1
Calibration Error		1.8		0.9
Absolute Difference		6.7		7.4
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response - Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Danny L. Hintzman

Print Name: Danny L. Hintzman

Technician/Service Representative

Report Printed on: 01/19/11 08:59:06

CGA Test Report - 2010Q4

Location: Filer City, MI

Facility Name: T.E.S. Filer City Station

Blr 2 Inlet CO2 Audit Test Results Analyzer Span: 20.00 %

Serial Number: 0622717875

Mfr & Model: Thermo 410I

Low-Level Calibration Gas (5.00% - 8.00%)
Concentration: 5.54
Cylinder No.: CC81480
Expiration Date: 03/12/12

Mid-Level Calibration Gas (10.00% - 14.00%)
Concentration: 11.09
Cylinder No.: CC82032
Expiration Date: 02/09/13

Test Date: 11/05/10 Tester: Dan Hintzman

	Low		Mid	
	Time	Monitor Value	Time	Monitor Value
Run 1	10:44:42	5.62	10:50:46	11.15
Run 2	11:44:42	5.62	11:50:41	11.19
Run 3	12:44:42	5.62	12:50:45	11.16
Avg. Monitor Response		5.62		11.17
Calibration Error		1.4		0.7
Absolute Difference		0.08		0.08
Test Status		Pass		Pass

$$\text{Calibration Error} = \frac{\text{Avg. Monitor Response - Cal. Gas Concentration}}{\text{Cal. Gas Concentration}} \times 100$$

I have personally performed this Cylinder Gas Audit (CGA) according to the procedures outlined in CFR 40, Part 60, Appendix F, Section 5.1.2 and attest that the recorded information on this document is true, accurate, and complete.

Signature: Danny L. Hintzman

Print Name: Danny L. Hintzman

Technician/Service Representative

Report Printed on: 01/19/11 08:59:15

Airgas

SPAN-1

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Customer:	K06 - CADILLAC	Reference Number:	32-112020314-2
Part Number:	E05NI94E15A3992	Cylinder Volume:	147 Cu.Ft.
Cylinder Number:	CC89270	Cylinder Pressure:	2015 PSIG
Laboratory:	MIC - Royal Oak-32 - MI	Valve Outlet:	660
Analysis Date:	Feb 08, 2010		

Expiration Date: Feb 08, 2012

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	50.00 PPM	48.70 PPM	G1	+/- 1% NIST Traceable
CARBON MONOXIDE	125.0 PPM	124.1 PPM	G1	+/- 1% NIST Traceable
NITRIC OXIDE	125.0 PPM	125.5 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	5.500 %	5.538 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			
Total oxides of nitrogen		125.5 PPM		For Reference Only

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	08061508	CC254776	94.67PPM SULFUR DIOXIDE/NITROGEN	Oct 15, 2012
NTRM	08060331	CC255637	250.0PPM CARBON MONOXIDE/NITROGEN	May 15, 2012
NTRM	09060614	CC282133	9.921% CARBON DIOXIDE/NITROGEN	Apr 10, 2013
NTRM	09060332	CC286985	250.6PPM NITRIC OXIDE/NITROGEN	Feb 01, 2011

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 10% CO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 14, 2010
E/N 147, 500ppmFS CO, Horiba via-510	Nondispersive Infrared (NDIR)	Feb 01, 2010
E/N 54, 250ppmFS NO, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010
E/N 54, 100ppmFS SO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010

Triad Data Available Upon Request

Notes:

Signature on file

TESFiler0001651

Airgas

SPAN - 2

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Customer:	K06 - CADILLAC		
Part Number:	E05NI88E15A3993	Reference Number:	32-112020314-1
Cylinder Number:	CC28632	Cylinder Volume:	151 Cu.Ft.
Laboratory:	MIC - Royal Oak-32 - MI	Cylinder Pressure:	2015 PSIG
Analysis Date:	Feb 08, 2010	Valve Outlet:	660

Expiration Date: Feb 08, 2012

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	110.0 PPM	111.2 PPM	G1	+/- 1% NIST Traceable
CARBON MONOXIDE	275.0 PPM	273.7 PPM	G1	+/- 1% NIST Traceable
NITRIC OXIDE	275.0 PPM	276.9 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	11.00 %	11.08 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			
Total oxides of nitrogen		277.2 PPM		For Reference Only

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	06060345	CC207589	490.0PPM NITRIC OXIDE/NITROGEN	Jan 01, 2016
NTRM	08061609	CC254807	247.0PPM SULFUR DIOXIDE/NITROGEN	Oct 15, 2012
NTRM	08060331	CC255837	250.0PPM CARBON MONOXIDE/NITROGEN	May 15, 2012
NTRM	97051201	SG9169482BAL	15.862% CARBON DIOXIDE/NITROGEN	May 01, 2010
NTRM	09060402	CC274097	501.3PPM CARBON MONOXIDE/NITROGEN	Feb 01, 2013

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 16% CO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 14, 2010
E/N 147, 500ppmFS CO, Horiba via-510	Nondispersive Infrared (NDIR)	Feb 01, 2010
E/N 54, 1000 ppmFS NO, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010
E/N 54, 250ppmFS SO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010

Triad Data Available Upon Request

Notes:

TESFiler0001652

Airgas

SPAN - 3

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Customer:	CADILLAC		
Part Number:	E05NI82E15A3991	Reference Number:	32-112089635-1
Cylinder Number:	CC95343	Cylinder Volume:	155 Cu.Ft.
Laboratory:	MIC - Royal Oak-32 - MI	Cylinder Pressure:	2015 PSIG
Analysis Date:	Jun 23, 2010	Valve Outlet:	660

Expiration Date: Jun 23, 2012

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	180.0 PPM	181.9 PPM	G1	+/- 1% NIST Traceable
CARBON MONOXIDE	425.0 PPM	408.6 PPM	G1	+/- 1% NIST Traceable
NITRIC OXIDE	437.0 PPM	436.9 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	17.50 %	17.61 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

Total oxides of nitrogen	437.5 PPM	For Reference Only

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	08061609	CC254807	247.0PPM SULFUR DIOXIDE/NITROGEN	Oct 15, 2012
NTRM	10060403	CC267900	495.6PPM NITRIC OXIDE/NITROGEN	Feb 01, 2016
NTRM	09060402	CC274097	501.3PPM CARBON MONOXIDE/NITROGEN	Feb 01, 2013
NTRM	04060402	XC034387B	19.84% CARBON DIOXIDE/NITROGEN	May 15, 2012

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 20% FS CO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jun 07, 2010
E/N 147, 500ppmFS CO, Horiba via-510	Nondispersive Infrared (NDIR)	May 24, 2010
E/N 54, 1000 ppmFS NO, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jun 03, 2010
E/N 54, 250ppmFS SO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jun 03, 2010

Triad Data Available Upon Request

Notes:

Signature on file

TESFiler0001653

Airgas

SPAN-4

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Customer:	CADILLAC	Reference Number:	32-112037602-1
Part Number:	E03NI94E15A3994	Cylinder Volume:	147 Cu.Ft.
Cylinder Number:	CC81480	Cylinder Pressure:	2015 PSIG
Laboratory:	MIC - Royal Oak-32 - MI	Valve Outlet:	660
Analysis Date:	Mar 12, 2010		

Expiration Date: Mar 12, 2012

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.

Do Not Use This Cylinder below 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	375.0 PPM	378.3 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	5.500 %	5.541 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	07120306	CC240073	496.2PPM SULFUR DIOXIDE/NITROGEN	May 01, 2011
NTRM	09060614	CC262133	9.921% CARBON DIOXIDE/NITROGEN	Apr 10, 2013

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 10% CO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Feb 11, 2010
E/N 54, 1000ppmFS SO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Mar 08, 2010

Triad Data Available Upon Request

Notes:

Signature on file

QA Approval

TESFiler0001654

Airgas

SPAN-5

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Customer:	CADILLAC		
Part Number:	E03NI88E15A0328	Reference Number:	32-112020322-1
Cylinder Number:	CC62032	Cylinder Volume:	151 Cu.Ft.
Laboratory:	MIC - Royal Oak-32 - MI	Cylinder Pressure:	2015 PSIG
Analysis Date:	Feb 09, 2010	Valve Outlet:	660

Expiration Date: Feb 09, 2013

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	825.0 PPM	832.7 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	11.00 %	11.09 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	06081228	CC206083	983.2PPM SULFUR DIOXIDE/NITROGEN	Sep 01, 2010
NTRM	97051201	SG9169482BAL	15.862% CARBON DIOXIDE/NITROGEN	May 01, 2010

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 16% CO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 14, 2010
E/N 54, 1000ppmFS SO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Jan 13, 2010

Triad Data Available Upon Request

Notes:

Signature on file

QA Approval

TESFiler0001655

Airgas

SPAN-6

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Customer:	CADILLAC		
Part Number:	E03NI82E15A3990	Reference Number:	32-112144455-2
Cylinder Number:	EB0013339	Cylinder Volume:	155 Cu.Ft.
Laboratory:	MIC - Royal Oak-32 - MI	Cylinder Pressure:	2015 PSIG
Analysis Date:	Sep 29, 2010	Valve Outlet:	660

Expiration Date: Sep 29, 2013

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.
Do Not Use This Cylinder below 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
SULFUR DIOXIDE	1350 PPM	1383 PPM	G1	+/- 1% NIST Traceable
CARBON DIOXIDE	17.50 %	17.47 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	00051500	SG9148665BAL	3041PPM SULFUR DIOXIDE/NITROGEN	Aug 15, 2013
NTRM	04060402	XC034387B	19.84% CARBON DIOXIDE/NITROGEN	May 15, 2012

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
E/N 54, 20% FS CO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Sep 02, 2010
E/N 54, 4800ppmFS SO2, Nicolet 6700	Fourier Transform Infrared (FTIR)	Sep 21, 2010

Triad Data Available Upon Request

Notes:

Signature on file

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TESFiler0001656

JMP 1-27-11

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Ms Karen Kajiya-Mills
MDNRE – Lansing District
Constitution Hall 3rd Floor North
525 West Allegan
Lansing MI 48909-7742

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addres

B. Received by (*Printed Name*)

C. Date of Deliv

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

JAN 28 2011

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchan
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (*Extra Fee*) ☐ Yes

2. Article Number
(*Transfer from service label*) 7010 0290 0000 9046 6981

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-