LAKELAND ELECTRIC

Your Essential Link to a Quality Life

FEDEX DELIVERY

November 16, 2007

Air Compliance Section, Compliance Supervisor
Department of Environmental Protection
13051 Telecom Parkway
Temple Terrace, Florida 33637-0926

Re: Facility Name: Lakeland Electric, C.D. McIntosh, Jr. Power Plant
Facility ID No. 1050004, E.U. ID No. 006 (McIntosh Units 3)

Subject: CO RATA Report

Dear Sir or Madam:

Enclosed please find the RATA (E.U. 006; Unit 3) report for the above referenced facility. Source Testing and Consulting Services, Inc. conducted the testing between the dates of October 5, 2007 and October 6, 2007. The RATA results for this unit qualify for the reduced frequency testing, annually instead of semi-annual.

Also enclosed is a Responsible Official Certification form signed by Mr. Timothy Bachand, Manager of Engineering for Lakeland Electric.

If you should have any questions concerning this submittal please contact me at (863) 834-6169.

Sincerely,

Douglas Doerr
Environmental Coordinator
doug.doerr@lakelandelectric.com

501 E. Lemon St. ✦ Lakeland, Florida 33801
Phone: 863.834.6300 ✦ Fax: 863.834.6344

Owner/Authorized Representative or Responsible Official

1. Responsible Official Name :

Timothy Bachand P.E., Manager of Engineering

2. Owner/Authorized Representative or Responsible Official Mailing Address:

Organization/Firm: **Lakeland Electric**
Street Address: **501 E. Lemon St.**
City: **Lakeland** State: **Florida** Zip Code: **33801-5079**

3. Owner/Authorized Representative Telephone Numbers:

Telephone: **(863) 834-6633** ext. Fax: **(863) 834-5670**

4. Owner/Authorized Representative or Responsible Official Statement:

I, the undersigned, am the owner or authorized representative (check here [ ], if so) or the responsible official (check here [**X**], if so) of the Title V source addressed in this submittal whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit*

Item(s) Certified: McIntosh Unit 3 RATA CO - October 2007
1050004-018-AC

Signature

11/13/07
Date

CO ANALYZER

CEMS CERTIFICATION

LAKELAND ELECTRIC
C.D. McINTOSH, JR. POWER PLANT
UNIT 3
LAKELAND, FLORIDA

Permit # 1050004-18-AC
Facility/Emissions Unit # 1050004-006

Lakeland Electric
501 East Lemon Street
Lakeland, Florida 33801-5079

C.D. McIntosh, Jr. Power Plant
3030 East Lake Parker Drive
Lakeland, Florida 33805

REPORT CONTENTS

SECTION A: Introduction

CO ANALYZER

CEMS CERTIFICATION

Following the installation of the Low-NOx burners and overfire air system, Lakeland Electric incorporated a new CO analyzer into it's Unit-3 Continuous Emissions Monitoring System.

The new analyzer is a Thermo (TECO) 48i-TLE, Ser # 0712221616.

The new analyzer underwent acceptability evaluation, and subsequent certification, evidenced by a RATA test performed using EPA Method 10 in Appendix A of 40 CFR 60. The RATA testing was conducted over October 5th and 6th, 2007.

SECTION B: RATA testing, conducted by Source Testing And Consulting Services, Inc., (STACS), and performed on October 5 and 6, 2007

The results of the RATA testing are included hereafter.

EMISSION TEST REPORT

INITIAL RELATIVE ACCURACY CERTIFICATION FOR CARBON MONOXIDE ANALYZER

LAKELAND ELECTRIC
C.D. McINTOSH, JR. POWER PLANT
UNIT 3
LAKELAND, FLORIDA
Permit # 1050004-18-AC
Facility/Emissions Unit # 1050004-006

Prepared for:

Lakeland Electric
501 East Lemon Street
Lakeland, Florida 33801-5079

Prepared by:

Source Testing And Consulting Services, Inc.
1100 Purple Glory Drive
Apex, North Carolina 27502

November 2007

TABLE OF CONTENTS

1.0 INTRODUCTION

1.0 INTRODUCTION

Source Testing And Consulting Services, Inc. (STACS) is under contract to Lakeland Electric to conduct the initial relative accuracy certification test for the new carbon monoxide (CO) analyzer recently added to the existing CEMS at Unit 3 at the C. D. McIntosh, Jr. Power Plant in Lakeland, Florida. The construction permit number is 105004-018-AC. The address of the facility is:

C, D. McIntosh, Jr. Power Plant
3030 East Lake Parker Drive
Lakeland, FL 33805

McIntosh Unit 3 is a balanced-draft steam generator that has recently been retrofitted with Low NO_x burners and overfire air. The Construction Air Permit for the modification included the addition of a requirement for monitoring of CO, and requires an initial certification of the new analyzer. The carbon dioxide (CO_2), nitrogen oxides (NO_x), and sulfur dioxide (SO_2) analyzers in the CEMS were subjected to a relative accuracy test audit (RATA) during June, 2007. Relative accuracy tests were not repeated for those analyzers. This document presents the results of the initial relative accuracy certification for the new CO analyzer.

The facility is a fossil fuel fired steam generator used to produce electricity. The boiler is a balanced-draft unit nominally rated at a heat input rate of about 3600 MMBtu/hr, with a steam production rate of about 296 klb/hr. Unit 3 was operating at approximately 98% of rated capacity during the tests. The fuel fired during the tests was a mixture of bituminous coal and petroleum coke.

Testing was conducted during October 5-6, 2007. Preliminary preparations and six test runs were completed on October 5, and an additional six test runs were performed on October 6.

EPA Reference Methods 10 for CO and 3A for CO_2 were used for this test. Carbon dioxide was measured during these tests as a quality control parameter and was not required for certification of the CO analyzer.

The tests show that the CO analyzer meets the accuracy requirements of Performance Specification 4A of 40CFR60 and 40CFR75.

Section 2.0 of this document provides a brief description of the process and the sampling locations. Section 3.0 presents the test results. Section 4.0 outlines the procedures and test methods used, and Section 5.0 discusses the quality assurance/quality control measures followed during sampling and analysis. Sample calculations, raw data, calibration and certification records, and a list of project participants are included in the appendices to this report.

2.0 PROCESS DESCRIPTION AND SAMPLING LOCATION

2.0 PROCESS DESCRIPTION AND SAMPLING LOCATION

2.1 PROCESS DESCRIPTION

McIntosh Unit 3 is a fossil fuel fired steam generator used to produce electricity. The unit fires bituminous coal primarily, but can also fire a mixture of coal and petroleum coke if additional heating value for the fuel is needed.

The emissions from Unit 3 are controlled by an electrostatic precipitator for particulate matter reduction followed by a wet scrubber for sulfur dioxide removal. Modifications to the unit have recently been completed to add low NO_x burners for reduction of nitrogen oxides and overfire air.

2.1 CEMS DESCRIPTION

The existing CEMS system at Unit 3 is a dilution-type sampling system where the sample is extracted from the stack through a heated filter and diluted with air. Two stages of 20:1 dilution in series are used for an overall dilution ratio of 400:1. The diluted sample is transferred through teflon sampling lines to the analyzers located in a controlled environment enclosure. A manifold system is used to distribute the sample to CO_2, NO_x, and SO_2 analyzers. Calibration gases are introduced prior to the dilution stages at the stack.

The sample for the new CO analyzer is taken after the first 20:1 stage of dilution at the stack and is transferred to the analyzer through a separate parallel line.

The CO analyzer is identified as a TECO Model 48i-TLE analyzer, Serial No. 0712221616.

An automated data acquisition system is used to log the measurement data, control instrument calibrations and probe blowback periods, monitor the system for faults, and to generate data reports.

2.3 REFERENCE METHOD SAMPLING LOCATIONS

The exhaust stack for Unit 3 is circular with an inside diameter of 18 ft. The stack height is 275 ft. The emissions test ports are located at approximately 256 ft elevation. The stack test port location meets the minimum requirements of EPA Method 1.

Four emissions test ports are available for sampling in the same plane around the circumference of the stack. The test port length is 48 inches. A 12-point stratification test was performed according to EPA Method 7E criteria for the gaseous testing to determine the number and location of test points required to be used for subsequent gaseous sampling.

3.0 EMISSION TEST RESULTS

3.0 EMISION TEST RESULTS

Relative accuracy testing of the new CO analyzer at Unit 3 was conducted during October 5-6, 2007. Preliminary tests including response time tests for the analyzer system and a 12-point stratification check test were performed prior to the tests.

The response time test showed that the response time for the reference method CO_2 analyzer was one minute and that the response time for the CO analyzer was two minutes. Thus, the minimum sampling time at each point used for sampling was four minutes.

The 12-point stratification check required that all twelve points be used for each test run. This resulted in a sampling time of 48 minutes per run.

The monitoring requirements of 40CFR60, Appendix B specify that the relative accuracy of the CEMS be determined to complete an initial certification of the CEMS with a minimum of nine test runs where the CEMS measurements are compared to the values measured by the reference test method. If desired, additional test runs may be performed and up to three data pairs may be excluded from the relative accuracy calculation. Relative accuracy is expressed as the average difference between the measurements (at a 95% confidence level) as a percentage of the average reference method result. Accuracy requirements may also be expressed as a percentage of the emission limit or in absolute concentration units in certain cases.

Six 48-minute test runs were conducted on October 5, with six additional runs conducted on October 6. Three data pairs were excluded from the accuracy calculation.

The test results are summarized in Table 3-1. The calculated relative accuracy was 10.7%; however, the analyzer met the requirements of 40CFR60, Appendix B, PS4A since the average difference (plus the confidence coefficient) between the CEMS and the

Reference Method was 0.625 ppmvw. The requirement is a difference of less than ± 5 ppmv.

Table 3-1. Relative Accuracy Test Results

LAKELAND ELECTRIC
McINTOSH UNIT 3
CO (ppmV - Wet Basis)

Run #	Date	Time	Reference Method CO (ppmV)	CEMS CO (ppmV)	Difference CO (ppmV)
1	5/Oct/07	1510 - 1610	6.30	7.10	-0.80
2	5/Oct/07	1623 - 1740	5.14	5.50	-0.36
3	5/Oct/07	1801 - 1902	6.32	5.50	0.82
4	5/Oct/07	1924 - 2032	6.75	6.20	0.55
5	5/Oct/07	2050 - 2151	7.44	8.40	-0.96
6 *	5/Oct/07	2210 - 2314	7.30	9.20	-1.90
7	6/Oct/07	0909 - 1012	3.77	3.90	-0.13
8 *	6/Oct/07	1030 - 1133	4.14	5.60	-1.46
9	6/Oct/07	1148 - 1258	5.35	5.00	0.35
10	6/Oct/07	1320 - 1426	5.45	6.20	-0.75
11	6/Oct/07	1443 - 1549	6.04	6.00	0.04
12 *	6/Oct/07	1607 - 1710	9.27	10.70	-1.43
Averages:			5.84	5.98	-0.14
Number of Runs:					9
Standard Deviation:					0.6340
t-Value:					2.3060
Confidence Coefficient:					0.4873
Absolute Value of Average Difference Plus Confidence Coeficient:					0.6253
Relative Accuracy (%)					10.71%

Notes:

* = Not included in average.

The CO analyzer meets the criteria of 40CFR60, Appendix B, Performance Specification 4A since the average difference in concentration plus the confidence coefficient is 0.62 ppmv which is less than the requirement of 5 ppmv or less.

4.0 EPA TEST PROCEDURES

4.0 EPA TEST PROCEDURES

The Permit Compliance Test was conducted in strict accordance with the specifications of 40CFR75 and 40CFR60 of the Code of Federal Regulations for fossil fuel fired steam generators. The tests were conducted in accordance with EPA Reference Test Methods as outlined in 40CFR60, Appendix A.

Specifically, the following test procedures were used.

EPA Method 3A:	Continuous determination of oxygen and carbon dioxide content in the flue gas. A fuel cell analyzer was used for O_2 determination, and an NDIR analyzer was used for CO_2 measurement.
EPA Method 10:	Carbon Monoxide (CO) analysis with an GFC/NDIR continuous emissions analyzer.

EPA Method 4 was also used for moisture determination in order to correct the test results to a wet basis. All procedures and quality control guidelines specified in the appropriate methods were strictly followed during the test program, in addition to STACS' more stringent internal quality control standards.

4.1 INSTRUMENTAL REFERENCE METHODS

Stack gas emissions of carbon monoxide (CO) were measured using continuous instrumental techniques. Diluent carbon dioxide (CO_2) concentration was also measured using continuous instrumental techniques. These tests were performed in accordance with EPA Method 3A for CO_2 and Method 10 for CO as outlined in Title 40, Part 60, Appendix A of the Code of Federal Regulations. Copies of all on-line instrumental

reference method data collected during the testing are included in Appendix B of this document. Calibration records are provided in Appendix C.

Flue gas sample was withdrawn from the stack at a constant rate via a heated stainless steel sample probe. The sample probe was equipped with an additional stainless steel line to enable probe tip calibrations. The probe was of sufficient length to allow traversing the duct as required by the performance specifications and the applicable test methods. Extracted sample was passed from the probe through a filter and a heated teflon sample line to the moisture removal system. The moisture removal system (gas conditioner) was designed for minimal contact between condensate and sample gas in order to prevent any reaction between the moisture and the measured pollutants. All components of the sampling and gas conditioning system were fabricated from glass, teflon, or stainless steel. The gas conditioning system used an ice bath to reduce the gas temperature and condense out moisture present in the gas. Moisture was continuously removed from the traps by an external peristaltic pump. Dry gas sample from the gas conditioner then passed through an unheated 1/4-inch O.D. teflon tube to a teflon-lined diaphragm pump, which delivered positive pressure sample to the instrument system. (Note that EPA Method 4 was used to convert the dry values to a wet basis for comparison with the plant CEMS.) Flow control valves were used to deliver the gas sample at a regulated positive pressure to the reference method analytical instruments through a teflon and stainless steel manifold delivery network. Flow and pressure to all monitors was held constant by monitoring sample and bypass rotameters. A diagram of the instrumental reference method sampling and analysis system used for the test program is given in Figure 4-1.

The sampling system was leak checked by passing known calibration gas standards up through a calibration line to the end of the probe. The gas standards were then pulled back through the sampling probe at stack pressure and subsequently through the entire sampling system to the instrument system. An oxygen analyzer response of less than or equal to 0.5% V to a zero oxygen standard was considered an acceptable leak check.

Analyzer calibration error was calculated by the difference between the known calibration gas concentration and the concentration exhibited by the analyzer. Bias checks were performed by comparing calibration responses through the entire sampling system to those exhibited at the analyzer. EPA Protocol #1, NIST traceable standard calibration gases were used to calibrate the analyzers.

Acceptable system performance checks did not exceed +/-2% of span linearity (calibration error), +/-5% of span system bias check, +/-3% of span zero drift, and +/-3% of span upscale span drift. Note that span is defined as the value of the high level calibration gas used.

Instrument response time was found by alternating zero nitrogen and upscale span gases through the bias check line and recording the upscale and down scale time for a 95% response. A response time test of the CEM sampling system was performed to determine the length of time for the reference method system to respond to changes in the stack gas exhaust stream. Known, Protocol 1 reference gases and zero nitrogen were passed through the heated sample line, sample conditioning system and the manifold delivery network to the continuous emission monitors.

4.2 STRATIFICATION TESTS

A preliminary 12- point stratification check was conducted at the stack as described in section 6.5.6.1 of 40CFR75, Appendix A and EPA Method 7E. The apparent stratification observed required that 12 points be traversed per run.

4.3 DATA ACQUISITION

The STACS data acquisition system (DAS) for the CEM analyzers consists of a Windmill Microlink 751 and a proprietary STACS Data Acquisition program. The data for each run are stored on disk as well as on a printed hard copy. The system has 16-bit analog to digital conversion resolution (1 in 64,000) and a scan rate of approximately 1200 readings per minute. Data is averaged and reported by the DAS on a 30 second

basis. The averaging time may be changed if desired. The system is capable of displaying the on line results in measured units and corrected to 12% CO_2 as well as in lb/MMBtu. Averages are generated immediately at the end of each test run.

4.4 REFERENCE METHOD ANALYZER PRINCIPLES OF OPERATION

4.4.1 METHOD 3A: CARBON DIOXIDE ANALYSIS

A non-dispersive infrared (NDIR) analyzer was used to measure CO_2.

4.4.2 METHOD 10: CARBON MONOXIDE ANALYSIS

A TECO 48C Gas Filter Correlation Non-Dispersive Infrared (GFC/NDIR) analyzer was used for continuous CO analysis. The principle of operation of this analyzer is similar to traditional NDIR analyzers in that it relies on selective absorption; whereby, particular band widths of infrared energy are absorbed by a species based on its molecular orbital structure. Gas filter correlation NDIR differs from NDIR in the detection mechanism and because the GFC/NDIR does not require a reference cell. Infrared radiation passes through a rotating filter, through the sample cell and to the detector. The chopper wheel of the GFC/NDIR is a rotating disk separated into two chambers where one half is filled with nitrogen and the other half is filled with pure CO. These gas filled partitions act as alternating optical filters for the incident IR radiation from the IR source. The CO gas filter side acts to produce a signal which cannot be further attenuated by CO in the sample cell and is used as a reference signal. The nitrogen filter allows all incident radiation to pass. Carbon monoxide in the sample cell, therefore, attenuates the signal proportionally to concentration. This is considered the measurement cycle. Any other gases which absorb infrared radiation are absorbed equally during both the measurement and reference cycles, providing a real-time reference and minimal interferences.. The detector for this analyzer is a lead-selenium photo detector.

4.5 RELATIVE ACCURACY CALCULATION PROCEDURES

Performance specifications for CO analyzers are included in 40CFR60 Appendix B, Specifications 4 and 4A. The specifications require that an initial certification and

subsequent annual relative accuracy audit tests be performed. The tests must be performed while the facility is operating at greater than 50% rated capacity.

A minimum of nine test runs where the CEMS data are collected simultaneously with the reference method during each run. More than nine runs may be conducted and up to three sets may be rejected, provided that at least nine runs are used in the analysis. All data including the rejected data must be reported.

The difference between the reference method and CEMS results is calculated for each run. The arithmetic average of the differences is calculated along with the average reference method result. The standard deviation of the data set and the Student-t coefficients are used to calculate a 95% confidence coefficient for the data set, and the sum of the average difference (absolute value) plus the confidence coefficient, divided by the average reference method result, is the relative accuracy.

The reference method and CEMS values used for the calculation may be in concentration units, concentration units normalized to a reference diluent value, emission factors (lb/MMBtu), or other units as may be required in a permit. Performance specifications may be in percentage of the reference method result, direct concentration units or as a percentage of the applicable emission limit. PS4A for carbon monoxide allows for a comparison based on the average difference in ppmv plus the confidence coefficient. The system meets the criteria if the absolute value of the average difference plus the confidence coefficient is less than or equal to 5 ppmv.

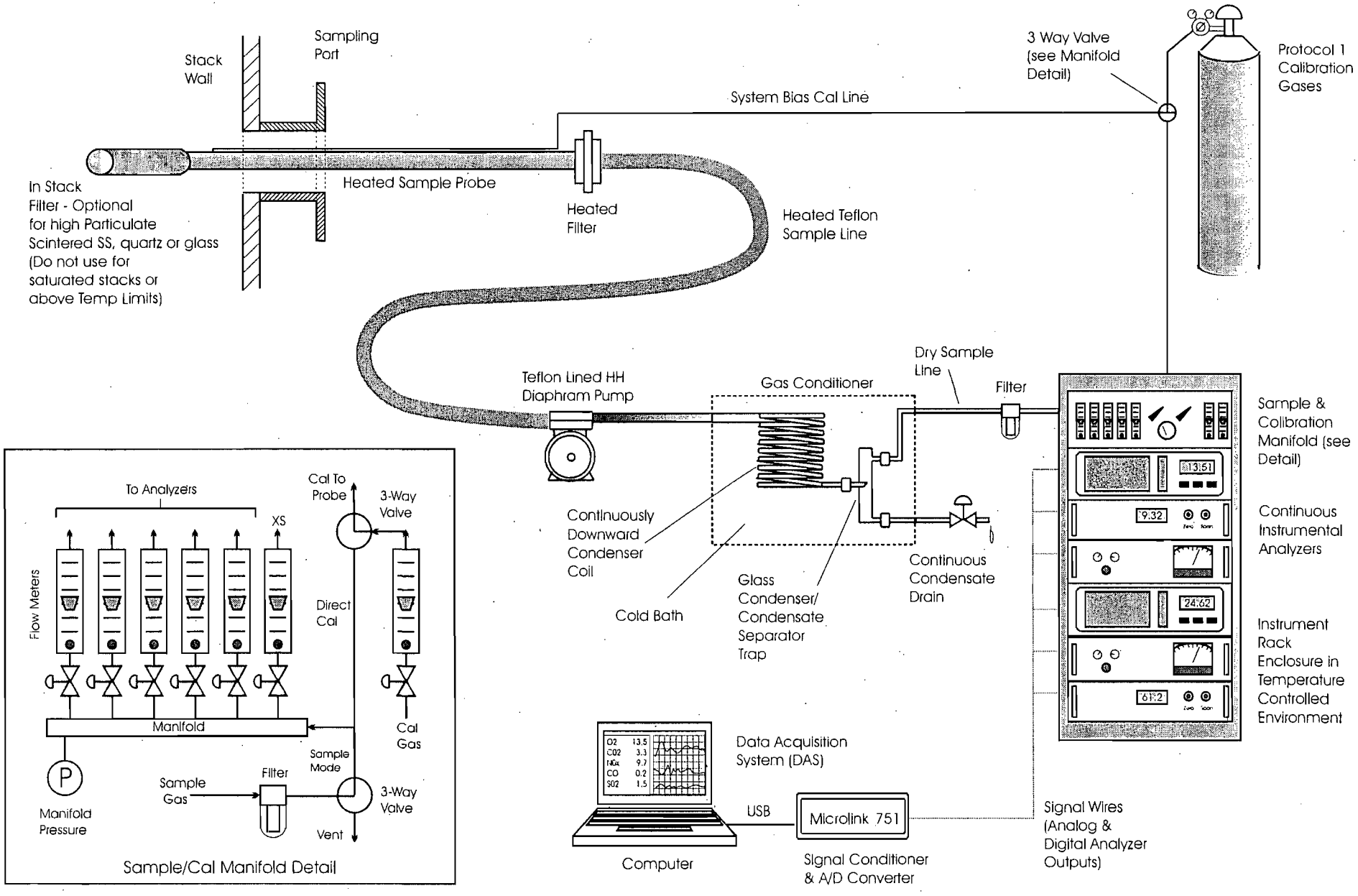

Figure 4-1. Schematic Diagram of STACS Instrumental Reference Method System

5.0 QUALITY ASSURANCE/QUALITY CONTROL

5.0 QUALITY ASSURANCE/QUALITY CONTROL

Strict Quality Assurance/Quality Control (QA/QC) measures were observed for all sampling and analysis performed for the McIntosh Unit 3 emissions test program. The STACS QA/QC program is designed to provide the highest quality data in terms of the accuracy and precision of the measurements, as well as the completeness, representativeness and comparability of the results.

Accuracy is the degree to which a measurement agrees to the true value or to an accepted reference value. Precision is the degree of reproducibility (or agreement) of a set of individual measurements of an identical property.

The objective of the overall QA/QC program is to provide guidelines in terms of accuracy and precision that can be used to assess the uncertainty in the results and to substantiate the data in terms of the use of accepted procedures. Quality Control can be defined as the use of operational techniques and activities, which sustain good quality data. Adherence to accepted sampling and analytical methods and procedures (and specifically noting any aberrations or exceptions to these procedures) is an example of quality control. Quality Assurance includes all those planned and systematic activities necessary to ensure that the accuracy and precision of the results meet the needs of the testing program. Quality Assurance programs can be internal or external.

Both internal and external programs are important to the overall integrity of the data. The internal QA program includes the activities planned by routine operators and analysts to provide an assessment of test data precision (and accuracy). Examples of implementation of an internal QA measure are routine calibration checks to assess the bias and drift of an analyzer after each test run. The measurement system bias is an indicator of the accuracy of the system and the drift is an indication of the precision of the measurements. External QA programs are those activities planned or conducted by an outside party or agency (such as the facility or regulatory authorities), which ensure that QC guidelines are followed and provide an indicator of the accuracy of the data. Examples of external QA procedures implemented by an outside entity

would include review of the test matrix, observation of selected testing to ensure proper techniques are followed, submission of independent performance audits, and review of the final testing data.

The quality assurance/quality control measures for sampling and analysis included in the following documents were strictly followed during the emissions test program, except as noted below and elsewhere in this document. The procedures are incorporated by reference into the quality assurance program for this effort as they apply to the collection, analysis, and calculation of pollutant concentrations and mass emission rates from the unit.

The Code of Federal Regulations, Title 40, Part 60, Appendix A, EPA Methods 3A, 4 and 10.

The Quality Assurance Handbook for Air Pollution Measurement Systems - Volume III - Stationary Source Specific Methods (EPA-600/4-77-027b) Sections 3.0-3.4.

The external QA program for this test series included monitoring of the test procedures by representatives of Lakeland Electric and FDEP.

Experienced air quality personnel conducted the emissions testing project. Mr. Bill Mayhew of STACS was the project director and principal coordinator for the program. Mr. Mayhew has a B.S. in Chemical Engineering and is a Principal Engineer with over 20 years experience in emissions testing. Mr. Mayhew reviewed all data collected and calculations performed and participated in the production of the final report.

Mr. Winton Kelly was a member of the field team and the QA/QC coordinator for the project. Mr. Kelly has an M.S. in Chemical Engineering and over 35 years experience in emissions testing and is a former employee of the USEPA, Emissions Measurement Branch (EMB). The emissions test crew consisted of Winton Kelly (35 years experience) and Mike Dickerson (14 years experience).

The following sections provide a description of the internal quality control activities that were used for this test program.

5.1 CALIBRATIONS AND DRIFT ASSESSMENTS

At the beginning of each test day, the EPA Reference Method 10 and 3A test equipment is calibrated, and adjusted as required, on a two-point basis. EPA Protocol #1, NIST traceable standard calibration gases are used to calibrate the analyzers. Subsequently, additional calibration standards are introduced to the analyzers to check the linearity of the instrument response. If the linearity of the instrument is within +/-2% of span of the calibration standard value, the calibration is accepted. Otherwise, corrective maintenance is performed, and the instrument is re-calibrated. During this time, bias checks are also performed by introducing calibration standards directly to the instrument manifold and through the entire sampling system and comparing the results.

Calibration checks are performed through the entire sampling system at the conclusion of each test run to determine calibration drift and any change in sample system bias. EPA Methods 3A, 7E, and 10 require a bias/drift correction to be applied to the test data for each run based on pre-test and post-test bias and drift calibration checks. All measured gaseous pollutants concentrations were corrected for bias and drift for this test program.

Sampling system bias is assessed by introducing a mid-range or high-range gas through the sampling system and back to the analyzers. The maximum allowable bias is 5% of the value the analyzer read for the same gas when introduced to the probe tip as a percent of the span of the analyzer.

Sampling system bias and drift checks are subsequently performed at the conclusion of each test run or if the bias exceeds 5%. Corrective actions are taken if the drift checks exceed 3% of span after any test run. All calibration gases are EPA Protocol 1, NIST traceable standards with a rated accuracy of +/- 1%. Calibration gas analysis certificates are included in Appendix C of this test report.

5.2 INSTRUMENT RESPONSE TIME

Maximum instrument system response time is determined by alternately passing zero and span gas through the entire sampling system and noting the time required for the monitors to achieve a change of 95% of the final concentrations. Both upscale and down scale response times are recorded. The supporting data sheets are included in the Appendices.

5.3 LEAK CHECKS

Since all calibrations are performed through the entire sampling system, leak-checks are incorporated in each calibration. The criterion used for this test is an oxygen response to a zero gas of less than 0.5% O_2. Leak checks are also incorporated into the zero and span drift checks at the end of each run since the calibration gas is passed through the entire sampling system for each post test drift check.

APPENDIX A
EXAMPLE CALCULATIONS AND DATA SUMMARIES

To Convert Pollutant Concentrations to 12% CO_2

$$ppmV\ @\ 12\%\ O_2 = ppmV\ x\ \frac{12}{CO2}$$

where:

ppmV = The concentration of the pollutant in parts per million by volume, dry basis.

CO_2 = The concentration of CO_2 in percent volume, dry basis.

ppmV @ 12% O_2 = The concentration of the pollutant normalized to 12% O_2.

To Convert Pollutant Concentrations to lb/MMBtu

$$lb/MMBtu = ppmV \times CONV \times Fc \times \frac{100}{C_{O_2}}$$

where:

ppmV = The concentration of the pollutant in parts per million by volume, dry basis.

CO_2 = The concentration of carbon dioxide in percent volume, dry basis.

lb/MMBtu = Pollutant emission rate in pounds per million Btu.

F_c = The CO2 based dry F-factor for a given fuel. (1800 dscf/MMBtu for bituminous coal)

CONV = conversion factor to convert pollutant concentration in ppmV to lb/scf.

CONV = 2.596E-9 x MW scf ppmV (MW for NO_X = 46, for CO 28).

TO BIAS/DRIFT CORRECT RAW DATA FOR EPA METHODS 3A, 6C, 7E, & 10:

$$C_{gas} = (\overline{C} - C_o)\frac{C_{ma}}{C_m - C_o}$$

Where:

C_{gas} = Effluent gas concentration, dry basis, ppm V or %V

$\underline{C}$ = Average gas concentration indicated by gas analyzer, dry basis, ppm V or %V

C_o = Average of initial and final system calibration bias check responses for the zero gas, ppm V or %V

C_m = Average of initial and final system calibration bias check responses for the upscale calibration gas, ppm V or %V

C_{ma} =Actual concentration of the upscale calibration gas, ppm V or %V

LAKELAND ELECTRIC
Unit #3
Relative Accuracy Test Audits

Bias/Drift Correction Calculation Spreadsheet

RATA Run #	**1**	**2**	**3**	**4**	**5**	**6**		**7**	**8**	**9**	**10**	**11**	**12**
Date	10/5/07	10/5/07	10/5/07	10/5/07	10/5/07	10/5/07		10/6/07	10/6/07	10/6/07	10/6/07	10/6/07	10/6/07
Run Time	1510 - 1610	1623 - 1740	1801 - 1902	1924 - 2032	2050 - 2151	2210 - 2314		0909 - 1012	1030 - 1133	1148 - 1258	1320 - 1426	1443 - 1549	1607 - 1710
CEMS VALUES													
CO (ppmV, wet)	7.1	5.5	5.5	6.20	8.40	9.20		3.9	5.6	5.0	6.2	6.0	10.7
REFERENCE METHOD													
Wet Reference Values													
CO2 (%V,wet)	10.03	10.37	10.45	10.31	10.40	10.39		10.39	10.44	10.45	10.50	10.59	10.54
CO (ppmV, wet)	6.30	5.14	6.32	6.75	7.44	7.30		3.77	4.14	5.35	5.45	6.04	9.27
BIAS ADJUSTED VALUES	**1**	**2**	**3**	**4**	**5**	**6**	**PRELIM**	**7**	**8**	**9**	**10**	**11**	**12**
CO2 (%V,dry)	11.63	11.94	12.06	12.01	11.98	12.01	#N/A	12.11	12.14	12.18	12.22	12.24	12.22
CO (ppmV, dry)	7.3	5.9	7.3	7.9	8.6	8.4	#N/A	4.4	4.8	6.2	6.3	7.0	10.7
RAW AVERAGES	**1**	**2**	**3**	**4**	**5**	**6**	**PRELIM**	**7**	**8**	**9**	**10**	**11**	**12**
CO2 (%V,dry)	11.52	11.82	11.94	11.91	11.88	11.89	#N/A	11.89	11.89	11.92	11.95	11.94	11.89
CO (ppmV, dry)	7.3	6.0	7.3	7.8	8.4	8.2	#N/A	4.5	4.9	6.1	6.3	7.0	10.6
Moisture (%)	13.76%	13.15%	13.35%	14.17%	13.21%	13.48%		14.18%	13.97%	14.14%	14.08%	13.49%	13.70%
ZERO BIAS	**1**	**2**	**3**	**4**	**5**	**6**	**PRELIM**	**7**	**8**	**9**	**10**	**11**	**12**
CO2 (%V,dry)	-0.07	-0.05	-0.06	-0.03	-0.06	-0.04	-0.09	-0.01	0.01	-0.01	-0.01	0.00	0.08
CO (ppmV, dry)	0.1	0.1	0.13	-0.1	-0.1	-0.1	0.1	0.1	0.0	0.0	0.1	0.0	-0.1
BIAS CHECKS	**1**	**2**	**3**	**4**	**5**	**6**	**LB**	**7**	**8**	**9**	**10**	**11**	**12**
CO2 (%V,dry)	8.92	8.91	8.92	8.94	8.93	8.90	8.81	8.84	8.83	8.83	8.80	8.80	8.78
CO (ppmV, dry)	47.1	46.9	46.8	46.6	46.7	46.4	47.3	47.4	46.9	46.7	47.1	47.0	46.9
BIAS GAS VALUES	**1**	**2**	**3**	**4**	**5**	**6**	**LB**	**7**	**8**	**9**	**10**	**11**	**12**
CO2 (%V,dry)	9.02	9.02	9.02	9.02	9.02	9.02	9.02	9.02	9.02	9.02	9.02	9.02	9.02
CO (ppmV, dry)	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
Zero Drift (% of span) 3%	**1**	**2**	**3**	**4**	**5**	**6**		**7**	**8**	**9**	**10**	**11**	**12**
CO2 (%V,dry)	-0.55%	0.22%	-0.11%	0.33%	-0.33%	0.22%	#N/A	0.89%	0.22%	-0.22%	0.00%	0.11%	0.89%
CO (ppmV, dry)	0.06%	0.00%	0.08%	-0.40%	0.02%	-0.08%	#N/A	0.02%	-0.36%	0.00%	0.27%	-0.13%	-0.23%
Upscale Drift (% of span) 3%	**1**	**2**	**3**	**4**	**5**	**6**		**7**	**8**	**9**	**10**	**11**	**12**
CO2 (%V,dry)	-0.11%	-0.11%	0.11%	0.22%	-0.11%	-0.33%	#N/A	0.33%	-0.11%	0.00%	-0.33%	0.00%	-0.22%
CO (ppmV, dry)	0.30%	-0.42%	-0.11%	-0.55%	0.17%	-0.49%	#N/A	0.23%	-1.12%	-0.36%	0.76%	-0.21%	-0.27%
Zero System Bias (% of span) 5%	**1**	**2**	**3**	**4**	**5**	**6**	**CE**	**7**	**8**	**9**	**10**	**11**	**12**
CO2 (%V,dry)	1.00%	1.22%	1.11%	1.44%	1.11%	1.33%	-0.19	1.66%	1.88%	1.66%	1.66%	1.77%	2.66%
CO (ppmV, dry)	0.34%	0.34%	0.42%	0.02%	0.04%	-0.04%	-0.05	0.44%	0.08%	0.08%	0.36%	0.23%	0.00%
Upscale System Bias (% of span) 5%	**1**	**2**	**3**	**4**	**5**	**6**	**CE**	**7**	**8**	**9**	**10**	**11**	**12**
CO2 (%V,dry)	-0.11%	-0.22%	-0.11%	0.11%	0.00%	-0.33%	8.94	-1.00%	-1.11%	-1.11%	-1.44%	-1.44%	-1.66%
CO (ppmV, dry)	-0.02%	-0.44%	-0.55%	-1.10%	-0.93%	-1.42%	47.03	0.68%	-0.44%	-0.80%	-0.04%	-0.25%	-0.53%

Note: Span is defined as the value of the upsc
Reference: Source Testing And Consulting S

:LAKELAND ELECTRIC UNIT 3
Relative Accuracy Test Audit Data
Moisture Calculation Spreadsheet

4/10/2007

Calculated Values	1	2	3	4	5	6	7	8	9	10	11	12
Bws (%V)	13.76%	13.15%	13.35%	14.17%	13.21%	13.48%	14.18%	13.97%	14.14%	14.08%	13.49%	13.70%
Vmstd (DSCF)	27.756	29.785	28.602	28.206	29.854	29.219	28.978	28.339	28.402	27.513	28.337	27.275
MOISTURE INPUTS	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Meter Fact (Y)	0.9967	0.9967	0.9967	0.9967	0.9967	0.9967	0.9967	0.9967	0.9967	0.9967	0.9967	0.9967
Pb ("Hg)	29.90	29.90	29.96	29.96	30.00	30.00	29.72	29.88	29.88	29.85	29.85	29.80
Vm (cf)	28.599	30.497	29.185	28.764	30.405	29.752	29.658	29.294	29.693	29.012	29.934	28.897
Vlc (g)	94.1	95.8	93.6	98.9	96.5	96.7	101.7	97.8	99.4	95.8	93.9	92
Tm (F)	84	80.6	79.8	79.5	79.5	79.4	77.12	85.4	91.6	95.8	96.8	97.5
Delta H ("H2O)	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
Ts (F)	150.1	150.3	149.8	149.9	150.9	151	150.1	152.6	152.9	150	150.9	149.5

APPENDIX B
FIELD DATA

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
5-Oct-07	7:30:56	22.44	17.79	2.78	-0.54	-1.58	6.06	Cal:22.4 O2 17.68 CO2	
5-Oct-07	7:31:06	22.44	17.78	2.78	-0.55	-2.07	7.93	Cal:22.4 O2 17.68 CO2	
5-Oct-07	7:31:16	22.44	17.77	2.78	-0.55	-3.09	11.79	Cal:22.4 O2 17.68 CO2	
5-Oct-07	7:31:26	22.44	17.78	2.80	-0.56	-3.95	15.13	Cal:22.4 O2 17.68 CO2	
Average:	**7:31:26**	**22.44**	**17.78**	**2.79**	**-0.55**	**-2.67**	**10.23**	**Cal:22.4 O2 17.68 CO2**	
Gas Value:	7:31:26	22.4	17.68	#N/A	#N/A	#N/A	#N/A	22.4 O2 17.68 CO2	
Diff%ofSpan	7:31:26	0.19%	0.57%	#N/A	#N/A	#N/A	#N/A		
5-Oct-07	7:33:28	13.04	-0.16	2.85	-0.09	0.27	0.20	Cal:13.0 O2	
5-Oct-07	7:33:38	13.05	-0.16	2.87	-0.06	0.16	0.12	Cal:13.0 O2	
5-Oct-07	7:33:48	13.04	-0.16	2.91	-0.06	0.33	0.25	Cal:13.0 O2	
5-Oct-07	7:33:58	13.05	-0.17	2.91	-0.06	0.60	0.45	Cal:13.0 O2	
Average:	**7:33:58**	**13.04**	**-0.16**	**2.89**	**-0.07**	**0.34**	**0.25**	**Cal:13.0 O2**	
Gas Value:	7:33:58	13	0	0	0	0	#N/A	13.0 O2	
Diff%ofSpan	7:33:58	0.20%	-0.92%	0.57%	-0.07%	0.07%	#N/A		
5-Oct-07	7:36:36	0.07	9.07	508.80	-0.21	0.15	0.04	Cal:504 NOx	
5-Oct-07	7:36:45	0.08	9.07	508.81	-0.21	0.39	0.11	Cal:504 NOx	
5-Oct-07	7:36:55	0.07	9.07	508.68	-0.21	0.23	0.07	Cal:504 NOx	
5-Oct-07	7:37:05	0.07	9.07	506.95	-0.21	-0.02	-0.01	Cal:504 NOx	
Average:	**7:37:05**	**0.07**	**9.07**	**508.31**	**-0.21**	**0.19**	**0.05**	**Cal:504 NOx**	
Gas Value:	7:37:05	#N/A	#N/A	504	#N/A	#N/A	#N/A	504 NOx	
Diff%ofSpan	7:37:05	#N/A	#N/A	0.85%	#N/A	#N/A	#N/A		
5-Oct-07	7:38:51	0.06	8.93	247.84	-0.23	0.13	0.04	Cal:244 Nox 9.02 CO2	
5-Oct-07	7:39:01	0.07	8.93	247.70	-0.23	-0.03	-0.01	Cal:244 Nox 9.02 CO2	
5-Oct-07	7:39:11	0.06	8.93	247.76	-0.23	0.11	0.03	Cal:244 Nox 9.02 CO2	
5-Oct-07	7:39:21	0.07	8.93	248.77	-0.23	0.24	0.07	Cal:244 Nox 9.02 CO2	
Average:	**7:39:21**	**0.07**	**8.93**	**248.02**	**-0.23**	**0.11**	**0.03**	**Cal:244 Nox 9.02 CO2**	
Gas Value:	7:39:21	#N/A	9.02	244	#N/A	#N/A	#N/A	244 Nox 9.02 CO2	
Diff%ofSpan	7:39:21	#N/A	-0.51%	0.80%	#N/A	#N/A	#N/A		
5-Oct-07	7:42:27	0.03	-0.18	7.74	-0.05	515.42	145.68	Cal:512 SO2	
5-Oct-07	7:42:37	0.02	-0.19	7.75	-0.06	515.15	145.60	Cal:512 SO2	
5-Oct-07	7:42:48	0.02	-0.18	7.75	-0.06	514.53	145.38	Cal:512 SO2	
5-Oct-07	7:42:57	0.03	-0.18	7.73	-0.05	514.24	145.37	Cal:512 SO2	
Average:	**7:42:57**	**0.02**	**-0.18**	**7.74**	**-0.05**	**514.84**	**145.51**	**Cal:512 SO2**	
Gas Value:	7:42:57	#N/A	#N/A	#N/A	#N/A	512	#N/A	512 SO2	
Diff%ofSpan	7:42:57	#N/A	#N/A	#N/A	#N/A	0.55%	#N/A		
5-Oct-07	7:44:29	0.02	-0.18	14.76	-0.05	218.21	61.66	Cal:219 SO2	
5-Oct-07	7:44:39	0.02	-0.19	14.79	-0.05	218.25	61.68	Cal:219 SO2	
5-Oct-07	7:44:49	0.02	-0.18	14.79	-0.05	218.33	61.68	Cal:219 SO2	
5-Oct-07	7:44:59	0.03	-0.18	14.75	-0.05	218.67	61.81	Cal:219 SO2	
Average:	**7:44:59**	**0.02**	**-0.19**	**14.77**	**-0.05**	**218.37**	**61.71**	**Cal:219 SO2**	
Gas Value:	7:44:59	#N/A	#N/A	#N/A	#N/A	219	#N/A	219 SO2	
Diff%ofSpan	7:44:59	#N/A	#N/A	#N/A	#N/A	-0.12%	#N/A		
5-Oct-07	7:49:50	0.02	-0.19	99.88	96.06	-0.61	-0.17	Cal:94.3 CO	
5-Oct-07	7:50:00	0.01	-0.19	99.88	96.41	-0.22	-0.06	Cal:94.3 CO	
Average:	**7:50:00**	**0.02**	**-0.19**	**99.88**	**96.23**	**-0.41**	**-0.12**	**Cal:94.3 CO**	
Gas Value:	7:50:00	#N/A	#N/A	#N/A	94.3	#N/A	#N/A	94.3 CO	
Diff%ofSpan	7:50:00	#N/A	#N/A	#N/A	2.05%	#N/A	#N/A		
5-Oct-07	7:50:54	0.01	-0.19	99.85	93.81	-0.50	-0.14	Cal:	
5-Oct-07	7:51:04	0.01	-0.19	99.82	93.64	-0.49	-0.14	Cal:	
5-Oct-07	7:51:14	0.01	-0.19	99.80	93.46	-0.34	-0.10	Cal:	
5-Oct-07	7:51:24	0.01	-0.19	99.79	93.54	-0.53	-0.15	Cal:	
Average:	**7:51:24**	**0.01**	**-0.19**	**99.82**	**93.61**	**-0.46**	**-0.13**	**Cal:**	
Gas Value:	7:51:24								
Diff%ofSpan	7:51:24	0.06%	-1.07%	19.80%	99.27%	-0.09%	#DIV/0!		
5-Oct-07	7:53:34	0.00	-0.19	2.86	47.08	-0.58	-0.16	Cal:47.3 CO	
5-Oct-07	7:53:44	0.01	-0.19	2.86	47.11	-0.38	-0.11	Cal:47.3 CO	
5-Oct-07	7:53:54	0.01	-0.19	2.83	46.99	-0.45	-0.13	Cal:47.3 CO	
5-Oct-07	7:54:04	0.01	-0.19	2.85	47.07	-0.54	-0.15	Cal:47.3 CO	
Average:	**7:54:04**	**0.01**	**-0.19**	**2.85**	**47.06**	**-0.49**	**-0.14**	**Cal:47.3 CO**	

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
Gas Value:	7:54:04	0	0	#N/A	47.3	#N/A	#N/A	47.3 CO	
Diff%ofSpan	7:54:04	0.04%	-1.09%	#N/A	-0.25%	#N/A	#N/A		
5-Oct-07	8:15:00	0.11	-0.13	2.83	46.82	0.36	0.10	Cal:47.3 CO	
5-Oct-07	8:15:09	0.10	-0.13	2.79	46.86	0.07	0.02	Cal:47.3 CO	
5-Oct-07	8:15:19	0.10	-0.13	2.81	46.99	-0.32	-0.09	Cal:47.3 CO	
5-Oct-07	8:15:30	0.09	-0.14	2.80	46.90	-0.23	-0.07	Cal:47.3 CO	
Average:	**8:15:30**	**0.10**	**-0.13**	**2.81**	**46.89**	**-0.03**	**-0.01**	**Cal:47.3 CO**	**Bias**
Gas Value:	8:15:30	0	0	#N/A	47.3	#N/A	#N/A	47.3 CO	
Diff%ofSpan	8:15:30	0.45%	-0.76%	#N/A	-0.43%	#N/A	#N/A		
5-Oct-07	8:19:20	0.05	-0.15	14.79	-0.04	217.26	61.47	Cal:219 SO2	
5-Oct-07	8:19:30	0.04	-0.15	14.82	-0.05	217.24	61.46	Cal:219 SO2	
5-Oct-07	8:19:40	0.05	-0.15	14.84	-0.05	217.60	61.57	Cal:219 SO2	
5-Oct-07	8:19:50	0.05	-0.15	14.83	-0.04	217.38	61.50	Cal:219 SO2	
Average:	**8:19:52**	**0.05**	**-0.15**	**14.82**	**-0.04**	**217.37**	**61.50**	**Cal:219 SO2**	**Bias**
Gas Value:	8:19:52	#N/A	#N/A	#N/A	#N/A	219	#N/A	219 SO2	
Diff%ofSpan	8:19:52	#N/A	#N/A	#N/A	#N/A	-0.32%	#N/A		
5-Oct-07	8:23:08	0.03	8.89	245.98	-0.19	1.31	0.37	Cal:244 Nox 9.02 CO2	
5-Oct-07	8:23:18	0.03	8.89	246.00	-0.20	1.03	0.29	Cal:244 Nox 9.02 CO2	
5-Oct-07	8:23:29	0.03	8.89	246.00	-0.20	0.76	0.21	Cal:244 Nox 9.02 CO2	
5-Oct-07	8:23:38	0.03	8.90	245.99	-0.20	0.79	0.22	Cal:244 Nox 9.02 CO2	
Average:	**8:23:38**	**0.03**	**8.89**	**245.99**	**-0.20**	**0.97**	**0.27**	**Cal:244 Nox 9.02 CO2**	**Bias**
Gas Value:	8:23:38	#N/A	9.02	244	#N/A	#N/A	#N/A	244 Nox 9.02 CO2	
Diff%ofSpan	8:23:38	#N/A	-0.71%	0.40%	#N/A	#N/A	#N/A		
5-Oct-07	8:27:12	12.92	-0.09	4.07	-0.04	-0.36	-0.27	Cal:13.0 O2	
5-Oct-07	8:27:23	12.92	-0.09	4.05	-0.05	-0.30	-0.22	Cal:13.0 O2	
5-Oct-07	8:27:32	12.92	-0.10	3.96	-0.05	-0.13	-0.10	Cal:13.0 O2	
5-Oct-07	8:27:42	12.92	-0.10	4.03	-0.05	-0.19	-0.14	Cal:13.0 O2	
Average:	**8:27:42**	**12.92**	**-0.09**	**4.03**	**-0.05**	**-0.24**	**-0.18**	**Cal:13.0 O2**	**Bias**
Gas Value:	8:27:42	13	0	0	0	0	#N/A	13.0 O2	
Diff%ofSpan	8:27:42	-0.36%	-0.54%	0.80%	-0.05%	-0.05%	#N/A		
5-Oct-07	8:36:19	0.11	8.89	244.67	-0.21	-1.13	-0.32	244 NOx Bag	
5-Oct-07	8:36:29	0.11	8.90	244.67	-0.21	-0.82	-0.23	244 NOx Bag	
5-Oct-07	8:36:39	0.11	8.90	244.70	-0.21	-0.75	-0.21	244 NOx Bag	
5-Oct-07	8:36:50	0.10	8.90	244.70	-0.21	-1.13	-0.32	244 NOx Bag	
5-Oct-07	8:36:59	0.10	8.90	244.68	-0.21	-1.08	-0.31	244 NOx Bag	
5-Oct-07	8:37:09	0.10	8.91	245.71	-0.21	-1.27	-0.36	244 NOx Bag	
5-Oct-07	8:37:19	0.09	8.91	245.70	-0.21	-0.95	-0.27	244 NOx Bag	
Average:	**8:37:27**	**0.10**	**8.90**	**244.98**	**-0.21**	**-1.02**	**-0.29**	**244 NOx Bag**	
Maximum	8:37:27	0.11	8.91	245.71	-0.21	-0.75	-0.21	244 NOx Bag	
Minimum	8:37:27	0.09	8.89	244.67	-0.21	-1.27	-0.36	244 NOx Bag	
Std Dev	8:37:27	0.01	0.00	0.50	0.00	0.19	0.05	244 NOx Bag	
5-Oct-07	8:46:01	7.33	11.95	185.84	5.74	191.93	83.45	Monitoring Stack	
5-Oct-07	8:47:00	7.16	12.07	185.95	9.34	204.98	88.00	Monitoring Stack	
5-Oct-07	8:48:01	7.25	11.99	187.33	12.13	203.63	88.00	Monitoring Stack	
5-Oct-07	8:49:00	7.33	11.93	187.03	4.68	201.59	87.64	Monitoring Stack	
5-Oct-07	8:50:00	7.37	11.87	182.24	3.68	191.11	83.35	Monitoring Stack	
5-Oct-07	8:51:00	7.19	12.06	182.48	4.71	182.02	78.32	Monitoring Stack	
5-Oct-07	8:52:00	7.38	11.89	181.03	5.44	178.67	77.97	Monitoring Stack	
5-Oct-07	8:53:00	7.32	11.92	181.80	5.26	180.24	78.34	Monitoring Stack	
5-Oct-07	8:54:00	7.33	11.92	181.20	3.80	181.62	78.94	Monitoring Stack	
5-Oct-07	8:55:00	7.27	11.98	181.16	4.57	187.82	81.30	Monitoring Stack	
5-Oct-07	8:56:00	7.48	11.80	181.18	5.05	182.73	80.32	Monitoring Stack	
5-Oct-07	8:57:00	7.35	11.89	179.78	3.69	172.15	74.97	Monitoring Stack	
5-Oct-07	8:58:00	7.29	11.94	181.23	4.39	172.96	75.01	Monitoring Stack	
5-Oct-07	8:59:00	7.35	11.91	181.92	5.71	171.91	74.87	Monitoring Stack	
5-Oct-07	9:00:00	7.35	11.91	180.53	3.82	175.02	76.19	Monitoring Stack	
5-Oct-07	9:01:01	7.26	12.00	183.99	4.16	176.87	76.50	Monitoring Stack	
5-Oct-07	9:02:00	7.37	11.90	185.65	3.90	180.95	78.89	Monitoring Stack	
5-Oct-07	9:03:01	7.19	12.07	183.66	4.04	187.83	80.83	Monitoring Stack	
5-Oct-07	9:04:00	7.39	11.90	183.83	5.21	190.78	83.29	Monitoring Stack	

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
5-Oct-07	9:05:01	7.33	11.95	180.40	3.79	196.32	85.38	Monitoring Stack	
5-Oct-07	9:06:00	7.41	11.88	181.29	4.12	196.88	86.09	Monitoring Stack	
5-Oct-07	9:07:01	7.23	12.05	182.77	4.79	203.86	87.97	Monitoring Stack	
5-Oct-07	9:08:00	7.25	12.03	184.27	3.91	203.64	88.02	Monitoring Stack	
5-Oct-07	9:09:00	7.37	11.93	185.24	3.40	200.13	87.28	Monitoring Stack	
5-Oct-07	9:10:00	7.30	11.96	183.02	3.24	191.77	83.20	Monitoring Stack	
5-Oct-07	9:11:01	7.18	12.09	185.29	5.23	190.55	81.98	Monitoring Stack	
5-Oct-07	9:12:00	7.31	11.97	185.02	3.93	194.16	84.30	Monitoring Stack	
5-Oct-07	9:13:00	7.08	12.19	187.06	7.20	198.07	84.56	Monitoring Stack	
5-Oct-07	9:14:00	7.24	12.05	186.33	9.81	194.00	83.79	Monitoring Stack	
5-Oct-07	9:15:00	7.27	12.02	185.08	4.07	185.82	80.46	Monitoring Stack	
5-Oct-07	9:16:00	7.29	12.01	181.88	3.66	179.79	77.95	Monitoring Stack	
5-Oct-07	9:17:00	7.12	12.17	185.14	6.17	183.63	78.62	Monitoring Stack	
5-Oct-07	9:18:00	7.20	12.09	185.38	11.53	183.08	78.86	Monitoring Stack	
5-Oct-07	9:19:00	7.50	11.82	183.55	9.09	179.26	78.91	Monitoring Stack	
5-Oct-07	9:20:00	7.27	12.02	182.37	3.73	187.08	80.97	Monitoring Stack	
5-Oct-07	9:21:00	7.31	11.99	183.06	4.23	190.78	82.83	Monitoring Stack	
5-Oct-07	9:22:00	7.25	12.05	183.04	6.30	184.58	79.81	Monitoring Stack	
5-Oct-07	9:23:00	7.19	12.10	183.38	8.66	179.25	77.13	Monitoring Stack	
5-Oct-07	9:24:00	7.31	12.01	185.82	9.06	176.95	76.82	Monitoring Stack	
5-Oct-07	9:25:00	7.41	11.90	184.29	4.16	174.69	76.39	Monitoring Stack	
5-Oct-07	9:26:00	7.21	12.08	186.29	8.20	181.42	78.20	Monitoring Stack	
5-Oct-07	9:27:00	7.12	12.18	187.29	12.45	189.75	81.24	Monitoring Stack	
5-Oct-07	9:28:00	7.31	12.02	184.06	5.63	194.14	84.29	Monitoring Stack	
5-Oct-07	9:29:00	7.33	11.98	181.29	4.42	196.88	85.61	Monitoring Stack	
5-Oct-07	9:30:00	7.25	12.06	185.24	5.23	204.03	88.21	Monitoring Stack	
5-Oct-07	9:31:01	7.13	12.15	184.33	6.06	203.67	87.29	Monitoring Stack	
5-Oct-07	9:32:00	6.99	12.32	186.59	16.95	215.13	91.23	Monitoring Stack	
5-Oct-07	9:33:01	7.20	12.12	183.61	7.91	212.15	91.37	Monitoring Stack	
5-Oct-07	9:34:00	7.33	11.98	182.37	5.99	199.80	86.88	Monitoring Stack	
5-Oct-07	9:35:00	7.22	12.09	183.81	5.67	194.26	83.77	Monitoring Stack	
5-Oct-07	9:36:00	7.09	12.20	186.83	7.36	194.99	83.31	Monitoring Stack	
5-Oct-07	9:37:00	7.27	12.07	182.95	13.01	199.59	86.38	Monitoring Stack	
5-Oct-07	9:38:00	7.33	11.99	179.71	13.10	190.36	82.74	Monitoring Stack	
5-Oct-07	9:39:00	7.40	11.93	181.83	14.98	185.34	81.02	Monitoring Stack	
5-Oct-07	9:40:00	7.20	12.10	184.55	7.69	183.37	78.99	Monitoring Stack	
5-Oct-07	9:41:00	7.24	12.06	181.79	4.79	181.50	78.40	Monitoring Stack	
5-Oct-07	9:42:00	7.26	12.05	180.29	3.60	177.88	76.97	Monitoring Stack	
5-Oct-07	9:43:00	7.24	12.07	179.93	3.80	183.20	79.15	Monitoring Stack	
5-Oct-07	9:44:00	7.31	12.01	181.22	3.41	187.69	81.51	Monitoring Stack	
5-Oct-07	9:45:00	7.22	12.07	181.29	3.61	191.74	82.71	Monitoring Stack	
5-Oct-07	9:46:01	7.19	12.12	183.17	7.64	191.11	82.22	Monitoring Stack	
5-Oct-07	9:47:00	7.27	12.05	181.44	7.36	182.88	79.16	Monitoring Stack	
5-Oct-07	9:48:01	7.23	12.07	181.94	6.49	178.89	77.21	Monitoring Stack	
5-Oct-07	9:49:00	7.38	11.94	182.83	6.20	175.95	76.76	Monitoring Stack	
5-Oct-07	9:50:01	7.29	12.01	179.87	4.36	178.89	77.54	Monitoring Stack	
5-Oct-07	9:51:00	7.27	12.04	180.04	6.95	184.78	80.01	Monitoring Stack	
5-Oct-07	9:52:01	7.23	12.07	180.51	5.85	187.81	81.07	Monitoring Stack	
5-Oct-07	9:53:00	7.31	12.00	181.05	6.83	196.22	85.17	Monitoring Stack	
5-Oct-07	9:54:00	7.20	12.11	181.74	10.19	203.20	87.49	Monitoring Stack	
5-Oct-07	9:55:02	7.25	12.07	181.22	10.32	207.89	89.83	Monitoring Stack	
5-Oct-07	9:56:01	7.10	12.19	179.83	7.56	211.34	90.36	Monitoring Stack	
5-Oct-07	9:57:00	7.33	11.98	180.52	9.08	209.72	91.16	Monitoring Stack	
5-Oct-07	9:58:00	7.20	12.10	180.37	6.99	201.32	86.68	Monitoring Stack	
5-Oct-07	9:59:00	7.17	12.13	179.87	9.08	199.05	85.54	Monitoring Stack	
5-Oct-07	10:00:00	7.26	12.05	179.85	6.97	192.67	83.32	Monitoring Stack	
5-Oct-07	10:01:00	7.18	12.13	180.48	7.64	190.58	81.96	Monitoring Stack	
5-Oct-07	10:02:00	7.12	12.20	181.02	21.10	190.94	81.78	Monitoring Stack	
5-Oct-07	10:03:00	7.19	12.10	178.60	10.02	183.26	78.85	Monitoring Stack	
5-Oct-07	10:04:00	7.34	11.98	179.77	6.66	181.23	78.83	Monitoring Stack	
5-Oct-07	10:05:00	7.28	12.02	178.52	4.61	178.48	77.29	Monitoring Stack	
5-Oct-07	10:06:00	7.29	12.02	179.60	7.40	181.67	78.77	Monitoring Stack	

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
5-Oct-07	10:07:00	7.26	12.04	180.95	5.40	183.17	79.25	Monitoring Stack	
5-Oct-07	10:08:00	7.13	12.15	179.83	4.66	187.21	80.19	Monitoring Stack	
5-Oct-07	10:09:00	7.11	12.20	182.71	16.77	196.84	84.22	Monitoring Stack	
5-Oct-07	10:10:00	7.29	12.02	181.36	9.01	188.65	81.76	Monitoring Stack	
5-Oct-07	10:11:00	7.25	12.07	182.07	7.42	184.47	79.73	Monitoring Stack	
5-Oct-07	10:12:00	7.20	12.10	181.64	7.86	180.98	77.96	Monitoring Stack	
5-Oct-07	10:13:00	7.23	12.07	181.41	8.04	182.34	78.71	Monitoring Stack	
5-Oct-07	10:14:00	7.20	12.11	183.55	5.04	184.93	79.65	Monitoring Stack	
5-Oct-07	10:15:00	7.21	12.10	182.47	4.07	187.04	80.58	Monitoring Stack	
5-Oct-07	10:16:01	7.29	12.03	182.03	4.12	192.55	83.47	Monitoring Stack	
5-Oct-07	10:17:00	7.08	12.20	184.04	5.08	197.01	84.10	Monitoring Stack	
5-Oct-07	10:18:01	7.11	12.20	183.19	8.08	208.86	89.36	Monitoring Stack	
5-Oct-07	10:19:00	7.10	12.19	181.77	8.12	210.78	90.11	Monitoring Stack	
5-Oct-07	10:20:00	7.22	12.10	181.94	12.37	214.55	92.55	Monitoring Stack	
5-Oct-07	10:21:00	7.28	12.02	180.23	6.40	209.57	90.82	Monitoring Stack	
Average:	**10:21:12**	**7.25**	**12.04**	**182.59**	**6.82**	**190.34**	**82.29**	**Monitoring Stack**	
Maximum	10:21:12	7.50	12.32	187.33	21.10	215.13	92.55	Monitoring Stack	
Minimum	10:21:12	6.99	11.80	178.52	3.24	171.91	74.87	Monitoring Stack	
Std Dev	10:21:12	0.09	0.10	2.19	3.33	10.63	4.40	Monitoring Stack	
5-Oct-07	10:22:19	7.25	12.07	180.21	5.06	200.22	86.52	Monitoring Stack	
5-Oct-07	10:23:19	7.30	12.01	179.55	5.00	186.59	80.93	Monitoring Stack	
5-Oct-07	10:24:19	7.23	12.07	179.80	6.41	181.28	78.25	Monitoring Stack	
5-Oct-07	10:25:19	7.18	12.11	179.70	6.26	178.63	76.81	Monitoring Stack	
5-Oct-07	10:26:19	7.19	12.09	180.92	4.54	179.01	77.06	Monitoring Stack	
5-Oct-07	10:27:19	7.19	12.09	184.38	5.83	181.67	78.19	Monitoring Stack	
5-Oct-07	10:28:19	7.17	12.11	183.96	6.57	185.34	79.63	Monitoring Stack	
5-Oct-07	10:29:20	7.24	12.03	185.65	4.52	184.74	79.82	Monitoring Stack	
5-Oct-07	10:30:19	7.05	12.20	183.71	8.96	188.63	80.36	Monitoring Stack	
5-Oct-07	10:31:20	7.14	12.14	184.69	24.16	193.90	83.17	Monitoring Stack	
5-Oct-07	10:32:19	7.18	12.10	185.35	8.88	186.37	80.14	Monitoring Stack	
5-Oct-07	10:33:20	7.18	12.09	184.72	6.58	179.40	77.16	Monitoring Stack	
5-Oct-07	10:34:19	7.20	12.07	183.85	7.94	176.74	76.09	Monitoring Stack	
5-Oct-07	10:35:20	7.24	12.04	182.03	4.89	182.24	78.74	Monitoring Stack	
5-Oct-07	10:36:19	7.27	11.99	181.80	3.89	182.81	79.16	Monitoring Stack	
5-Oct-07	10:37:20	7.14	12.12	182.90	8.32	188.43	80.77	Monitoring Stack	
5-Oct-07	10:38:19	7.15	12.10	182.71	11.03	190.25	81.66	Monitoring Stack	
5-Oct-07	10:39:20	7.20	12.04	181.91	7.00	193.65	83.39	Monitoring Stack	
5-Oct-07	10:40:19	7.04	12.18	181.76	5.97	198.15	84.37	Monitoring Stack	
5-Oct-07	10:41:19	7.23	12.02	181.69	5.13	198.84	85.84	Monitoring Stack	
5-Oct-07	10:42:19	7.13	12.11	180.72	5.11	204.11	87.45	Monitoring Stack	
5-Oct-07	10:43:19	7.21	12.00	181.75	7.20	210.78	90.82	Monitoring Stack	
5-Oct-07	10:44:19	7.20	12.02	181.81	5.08	213.35	91.89	Monitoring Stack	
5-Oct-07	10:45:23	7.03	12.17	183.51	7.34	210.20	89.44	Monitoring Stack	
5-Oct-07	10:46:19	7.31	11.94	181.90	8.04	194.99	84.66	Monitoring Stack	
5-Oct-07	10:47:19	7.16	12.07	181.91	5.54	180.77	77.61	Monitoring Stack	
5-Oct-07	10:48:19	7.18	12.04	184.14	5.62	176.15	75.73	Monitoring Stack	
5-Oct-07	10:49:19	6.96	12.24	183.00	8.42	180.79	76.55	Monitoring Stack	
5-Oct-07	10:50:19	7.19	12.06	182.41	7.24	180.11	77.50	Monitoring Stack	
5-Oct-07	10:51:19	7.27	11.98	181.12	4.45	180.49	78.11	Monitoring Stack	
5-Oct-07	10:52:19	7.18	12.04	182.15	4.17	185.59	79.81	Monitoring Stack	
5-Oct-07	10:53:19	7.26	12.00	184.25	4.52	189.28	81.85	Monitoring Stack	
5-Oct-07	10:54:19	7.39	11.87	181.29	3.87	189.71	82.83	Monitoring Stack	
5-Oct-07	10:55:19	7.32	11.93	181.88	3.80	186.93	81.20	Monitoring Stack	
5-Oct-07	10:56:19	7.20	12.03	182.97	4.23	183.91	79.23	Monitoring Stack	
5-Oct-07	10:57:19	7.06	12.16	185.13	5.18	179.42	76.50	Monitoring Stack	
5-Oct-07	10:58:25	7.28	11.98	187.27	5.36	177.68	76.95	Monitoring Stack	
5-Oct-07	10:59:26	7.17	12.05	183.23	4.30	183.13	78.69	Monitoring Stack	
5-Oct-07	11:00:19	7.16	12.07	184.30	8.08	189.83	81.52	Monitoring Stack	
5-Oct-07	11:01:20	7.19	12.05	183.81	5.95	192.02	82.62	Monitoring Stack	
5-Oct-07	11:02:19	7.03	12.16	183.78	4.97	196.52	83.58	Monitoring Stack	
5-Oct-07	11:03:19	7.05	12.18	184.87	7.95	201.05	85.61	Monitoring Stack	
5-Oct-07	11:04:19	7.25	11.97	184.77	4.62	196.60	84.98	Monitoring Stack	

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
5-Oct-07	11:05:19	7.06	12.14	184.05	4.21	202.99	86.54	Monitoring Stack	
5-Oct-07	11:06:19	7.18	12.04	184.63	5.95	207.05	89.01	Monitoring Stack	
5-Oct-07	11:07:19	7.16	12.04	183.23	5.16	209.63	90.04	Monitoring Stack	
5-Oct-07	11:08:19	7.08	12.13	184.70	10.39	211.49	90.26	Monitoring Stack	
5-Oct-07	11:09:19	7.24	11.98	183.03	6.08	200.70	86.66	Monitoring Stack	
5-Oct-07	11:10:19	7.19	12.01	179.95	4.13	191.39	82.39	Monitoring Stack	
5-Oct-07	11:11:19	7.12	12.07	182.69	4.80	184.93	79.20	Monitoring Stack	
5-Oct-07	11:12:19	7.15	12.05	182.58	9.80	180.67	77.54	Monitoring Stack	
5-Oct-07	11:13:19	7.11	12.08	182.81	9.40	177.71	76.01	Monitoring Stack	
5-Oct-07	11:14:20	7.11	12.09	183.12	6.65	178.78	76.50	Monitoring Stack	
5-Oct-07	11:15:19	7.07	12.12	184.73	5.07	182.63	77.91	Monitoring Stack	
5-Oct-07	11:16:20	7.14	12.08	185.82	7.37	187.93	80.56	Monitoring Stack	
5-Oct-07	11:17:19	7.23	11.98	184.46	5.94	188.76	81.46	Monitoring Stack	
5-Oct-07	11:18:20	7.09	12.10	184.07	4.85	192.89	82.43	Monitoring Stack	
5-Oct-07	11:19:19	7.19	12.02	184.51	5.38	194.41	83.68	Monitoring Stack	
5-Oct-07	11:20:20	7.29	11.92	183.37	4.56	182.35	79.06	Monitoring Stack	
5-Oct-07	11:21:19	7.14	12.05	183.25	5.96	173.98	74.62	Monitoring Stack	
5-Oct-07	11:22:20	7.08	12.12	185.03	8.06	177.53	75.82	Monitoring Stack	
5-Oct-07	11:23:19	7.20	12.01	184.97	4.82	175.51	75.61	Monitoring Stack	
5-Oct-07	11:24:20	7.22	12.00	184.43	4.30	181.76	78.42	Monitoring Stack	
5-Oct-07	11:25:19	7.29	11.94	185.29	3.72	185.79	80.53	Monitoring Stack	
5-Oct-07	11:26:19	7.27	11.95	184.07	3.92	188.51	81.57	Monitoring Stack	
5-Oct-07	11:27:19	7.03	12.16	183.37	10.83	196.26	83.46	Monitoring Stack	
5-Oct-07	11:28:19	7.18	12.05	184.70	11.35	198.19	85.21	Monitoring Stack	
5-Oct-07	11:29:19	7.15	12.05	182.84	5.24	199.27	85.53	Monitoring Stack	
5-Oct-07	11:30:19	7.17	12.08	183.56	9.31	201.28	86.48	Monitoring Stack	
5-Oct-07	11:31:19	7.21	12.03	183.06	6.57	203.82	87.83	Monitoring Stack	
5-Oct-07	11:32:19	7.18	12.05	183.22	6.04	207.15	89.07	Monitoring Stack	
5-Oct-07	11:33:19	7.23	12.03	183.43	6.36	205.36	88.60	Monitoring Stack	
5-Oct-07	11:34:19	7.19	12.05	183.27	4.60	193.75	83.36	Monitoring Stack	
5-Oct-07	11:35:19	7.16	12.09	183.80	6.17	186.22	79.94	Monitoring Stack	
5-Oct-07	11:36:19	7.09	12.15	184.12	9.95	180.19	77.01	Monitoring Stack	
5-Oct-07	11:37:19	7.14	12.11	183.45	10.22	173.34	74.31	Monitoring Stack	
5-Oct-07	11:38:19	7.20	12.06	182.80	6.93	172.69	74.36	Monitoring Stack	
5-Oct-07	11:39:19	7.15	12.10	184.48	5.93	173.68	74.50	Monitoring Stack	
5-Oct-07	11:40:19	7.21	12.05	184.16	8.37	179.40	77.34	Monitoring Stack	
5-Oct-07	11:41:19	7.19	12.07	183.63	6.42	183.37	78.89	Monitoring Stack	
5-Oct-07	11:42:19	7.29	11.98	184.45	6.61	187.51	81.30	Monitoring Stack	
5-Oct-07	11:43:19	7.06	12.18	182.89	24.47	192.75	82.17	Monitoring Stack	
5-Oct-07	11:44:20	7.16	12.08	184.46	29.23	193.16	82.96	Monitoring Stack	
5-Oct-07	11:45:19	7.15	12.12	185.79	9.44	187.43	80.45	Monitoring Stack	
5-Oct-07	11:46:20	7.19	12.08	183.34	8.39	179.31	77.18	Monitoring Stack	
5-Oct-07	11:47:19	7.23	12.04	183.43	8.75	171.24	73.89	Monitoring Stack	
5-Oct-07	11:48:19	7.08	12.19	183.18	9.05	176.79	75.47	Monitoring Stack	
5-Oct-07	11:49:19	7.14	12.11	183.85	12.83	181.96	78.05	Monitoring Stack	
5-Oct-07	11:50:19	7.13	12.14	185.90	8.29	189.66	81.26	Monitoring Stack	
5-Oct-07	11:51:19	7.20	12.07	185.06	6.80	193.00	83.11	Monitoring Stack	
5-Oct-07	11:52:19	7.04	12.20	184.73	7.44	196.55	83.65	Monitoring Stack	
5-Oct-07	11:53:19	7.10	12.18	185.97	12.11	199.68	85.35	Monitoring Stack	
5-Oct-07	11:54:19	7.29	11.98	183.95	6.85	195.18	84.63	Monitoring Stack	
5-Oct-07	11:55:19	7.27	12.00	184.52	5.58	198.09	85.72	Monitoring Stack	
5-Oct-07	11:56:19	7.23	12.03	184.76	5.68	202.30	87.32	Monitoring Stack	
5-Oct-07	11:57:19	7.18	12.08	184.90	5.58	209.30	90.00	Monitoring Stack	
5-Oct-07	11:58:19	7.23	12.03	184.00	6.71	203.62	87.91	Monitoring Stack	
5-Oct-07	11:59:20	7.24	12.03	184.55	6.52	194.48	83.99	Monitoring Stack	
5-Oct-07	12:00:19	7.22	12.03	184.54	6.07	184.68	79.65	Monitoring Stack	
5-Oct-07	12:01:19	7.12	12.13	186.07	5.24	180.81	77.42	Monitoring Stack	
5-Oct-07	12:02:19	7.16	12.11	184.59	6.04	176.07	75.61	Monitoring Stack	
5-Oct-07	12:03:19	7.15	12.11	184.23	5.74	174.58	74.89	Monitoring Stack	
5-Oct-07	12:04:19	7.05	12.20	184.73	8.75	179.99	76.67	Monitoring Stack	
5-Oct-07	12:05:19	7.19	12.08	185.49	8.04	185.67	79.93	Monitoring Stack	
5-Oct-07	12:06:19	7.30	11.96	182.76	5.45	186.66	80.99	Monitoring Stack	

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
5-Oct-07	12:07:19	7.17	12.07	183.30	5.16	190.48	81.86	Monitoring Stack	
5-Oct-07	12:08:19	7.18	12.08	184.60	7.63	195.36	83.99	Monitoring Stack	
5-Oct-07	12:09:19	7.12	12.10	183.48	5.53	190.82	81.69	Monitoring Stack	
Average:	**12:09:38**	**7.17**	**12.07**	**183.57**	**7.10**	**189.16**	**81.32**	**Monitoring Stack**	
Maximum	12:09:38	7.39	12.24	187.27	29.23	213.35	91.89	Monitoring Stack	
Minimum	12:09:38	6.96	11.87	179.55	3.72	171.24	73.89	Monitoring Stack	
Std Dev	12:09:38	0.08	0.07	1.47	3.78	10.17	4.37	Monitoring Stack	
5-Oct-07	12:13:02	0.06	10.77	271.59	-0.19	322.01	91.16	Plant CO2/NO/SO2	11.0/276/314
5-Oct-07	12:13:12	3.99	11.11	271.55	-0.12	304.25	106.78	Plant CO2/NO/SO2	11.0/276/314
5-Oct-07	12:13:22	6.89	11.92	269.37	0.24	222.81	93.74	Plant CO2/NO/SO2	11.0/276/314
5-Oct-07	12:13:32	7.20	11.98	258.36	1.09	192.54	82.89	Plant CO2/NO/SO2	11.0/276/314
Average:	**12:13:40**	**4.53**	**11.45**	**267.72**	**0.26**	**260.40**	**93.64**	**Plant CO2/NO/SO2**	
Maximum	12:13:40	7.20	11.98	271.59	1.09	322.01	106.78	Plant CO2/NO/SO2	
Minimum	12:13:40	0.06	10.77	258.36	-0.19	192.54	82.89	Plant CO2/NO/SO2	
Std Dev	12:13:40	3.31	0.60	6.32	0.59	62.55	9.90	Plant CO2/NO/SO2	
5-Oct-07	12:17:04	7.21	11.98	184.52	10.62	198.01	85.34	Monitoring Stack	
5-Oct-07	12:18:03	7.17	12.03	184.56	4.22	195.92	84.20	Monitoring Stack	
5-Oct-07	12:19:04	7.12	12.06	183.83	7.80	200.15	85.69	Monitoring Stack	
5-Oct-07	12:20:03	7.10	12.10	184.07	9.49	204.62	87.46	Monitoring Stack	
5-Oct-07	12:21:04	7.24	11.97	185.28	6.78	205.03	88.53	Monitoring Stack	
5-Oct-07	12:22:03	7.11	12.07	186.28	6.82	205.15	87.77	Monitoring Stack	
5-Oct-07	12:23:04	7.13	12.07	186.41	8.99	200.69	85.98	Monitoring Stack	
5-Oct-07	12:24:03	7.07	12.10	185.60	7.70	187.84	80.13	Monitoring Stack	
5-Oct-07	12:25:03	7.02	12.14	188.80	11.59	180.85	76.89	Monitoring Stack	
5-Oct-07	12:26:07	6.93	12.22	188.23	22.48	178.47	75.38	Monitoring Stack	
5-Oct-07	12:27:03	7.08	12.11	188.21	13.18	176.11	75.19	Monitoring Stack	
5-Oct-07	12:28:03	7.22	11.97	186.16	7.81	175.54	75.68	Monitoring Stack	
5-Oct-07	12:29:03	7.27	11.91	182.22	6.79	177.48	76.84	Monitoring Stack	
5-Oct-07	12:30:03	7.06	12.11	185.62	5.94	185.13	78.90	Monitoring Stack	
5-Oct-07	12:31:03	7.05	12.12	186.65	9.36	194.16	82.74	Monitoring Stack	
5-Oct-07	12:32:03	7.03	12.09	184.32	8.08	195.01	82.96	Monitoring Stack	
5-Oct-07	12:33:03	7.19	11.97	182.29	8.65	194.53	83.70	Monitoring Stack	
5-Oct-07	12:34:03	7.24	11.92	181.81	6.47	184.85	79.84	Monitoring Stack	
5-Oct-07	12:35:03	7.16	12.00	183.42	6.61	179.64	77.12	Monitoring Stack	
5-Oct-07	12:36:03	6.99	12.17	184.09	15.44	179.32	76.08	Monitoring Stack	
5-Oct-07	12:37:03	7.20	11.97	185.36	12.53	175.46	75.57	Monitoring Stack	
5-Oct-07	12:38:03	7.16	12.01	184.91	10.30	179.04	76.89	Monitoring Stack	
5-Oct-07	12:39:03	7.26	11.92	184.39	9.67	184.21	79.68	Monitoring Stack	
5-Oct-07	12:40:03	7.15	12.02	183.55	8.33	189.94	81.51	Monitoring Stack	
5-Oct-07	12:41:03	7.02	12.15	185.38	8.82	198.00	84.19	Monitoring Stack	
5-Oct-07	12:42:03	7.18	11.98	184.99	10.92	199.68	85.89	Monitoring Stack	
5-Oct-07	12:43:03	7.05	12.13	186.02	13.84	201.82	85.96	Monitoring Stack	
5-Oct-07	12:44:03	7.11	12.05	188.34	8.00	200.90	85.95	Monitoring Stack	
5-Oct-07	12:45:03	7.13	12.04	186.34	6.31	205.47	88.05	Monitoring Stack	
5-Oct-07	12:46:03	7.18	11.97	183.57	5.28	201.98	86.84	Monitoring Stack	
5-Oct-07	12:47:03	7.03	12.11	184.86	10.17	199.57	84.90	Monitoring Stack	
5-Oct-07	12:48:03	6.99	12.17	188.31	15.43	193.20	81.93	Monitoring Stack	
5-Oct-07	12:49:03	6.96	12.17	184.57	18.40	181.74	76.94	Monitoring Stack	
5-Oct-07	12:50:03	7.06	12.08	184.47	12.56	178.17	75.95	Monitoring Stack	
5-Oct-07	12:51:03	7.02	12.12	186.63	13.11	177.13	75.32	Monitoring Stack	
5-Oct-07	12:52:03	7.23	11.94	184.89	9.28	176.52	76.18	Monitoring Stack	
5-Oct-07	12:53:03	7.28	11.89	184.49	4.27	175.28	75.95	Monitoring Stack	
5-Oct-07	12:54:03	7.21	11.94	183.91	4.35	176.66	76.16	Monitoring Stack	
5-Oct-07	12:55:03	7.21	11.94	186.54	5.09	182.41	78.63	Monitoring Stack	
5-Oct-07	12:56:03	7.14	12.03	188.65	13.64	193.28	82.91	Monitoring Stack	
5-Oct-07	12:57:03	7.27	11.88	185.53	7.33	186.60	80.78	Monitoring Stack	
5-Oct-07	12:58:03	7.25	11.93	186.79	5.55	185.68	80.25	Monitoring Stack	
5-Oct-07	12:59:03	7.23	11.92	185.71	4.10	178.12	76.89	Monitoring Stack	
5-Oct-07	13:00:03	7.11	12.04	186.00	4.73	179.45	76.80	Monitoring Stack	
5-Oct-07	13:01:03	7.35	11.86	187.65	5.71	182.52	79.47	Monitoring Stack	
5-Oct-07	13:02:03	7.37	11.79	185.87	3.18	180.27	78.61	Monitoring Stack	
5-Oct-07	13:03:03	7.23	11.93	185.51	3.50	189.06	81.56	Monitoring Stack	

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
5-Oct-07	13:04:04	7.14	12.05	189.30	4.59	200.38	85.90	Monitoring Stack	
5-Oct-07	13:05:03	7.14	12.03	190.18	4.44	204.33	87.62	Monitoring Stack	
5-Oct-07	13:06:04	7.39	11.80	187.51	5.64	203.79	89.03	Monitoring Stack	
5-Oct-07	13:07:03	7.26	11.93	185.45	5.18	207.85	89.90	Monitoring Stack	
5-Oct-07	13:08:04	7.30	11.88	186.23	4.54	203.20	88.15	Monitoring Stack	
5-Oct-07	13:09:03	7.16	12.02	187.99	6.72	208.98	89.75	Monitoring Stack	
5-Oct-07	13:10:03	7.15	12.03	186.96	4.25	198.44	85.16	Monitoring Stack	
5-Oct-07	13:11:03	7.30	11.90	187.24	4.28	184.93	80.21	Monitoring Stack	
5-Oct-07	13:12:03	7.22	11.98	187.19	3.45	177.83	76.67	Monitoring Stack	
5-Oct-07	13:13:03	7.26	11.94	187.69	3.53	172.38	74.58	Monitoring Stack	
5-Oct-07	13:14:03	7.15	12.03	185.68	3.91	174.47	74.86	Monitoring Stack	
5-Oct-07	13:15:03	7.10	12.11	188.22	5.76	182.33	77.94	Monitoring Stack	
5-Oct-07	13:16:03	7.14	12.05	189.66	4.81	180.22	77.30	Monitoring Stack	
5-Oct-07	13:17:03	7.27	11.96	188.11	6.80	180.47	78.13	Monitoring Stack	
5-Oct-07	13:18:03	7.34	11.88	185.87	3.93	183.52	79.85	Monitoring Stack	
5-Oct-07	13:19:03	7.11	12.08	188.28	4.44	190.10	81.35	Monitoring Stack	
5-Oct-07	13:20:03	7.13	12.09	189.24	6.01	195.77	83.89	Monitoring Stack	
5-Oct-07	13:21:03	7.18	12.01	187.91	5.13	199.03	85.60	Monitoring Stack	
5-Oct-07	13:22:03	7.01	12.20	190.49	5.63	200.48	85.19	Monitoring Stack	
5-Oct-07	13:23:03	7.12	12.10	189.73	7.56	190.97	81.79	Monitoring Stack	
5-Oct-07	13:24:03	7.15	12.05	188.36	7.64	182.89	78.51	Monitoring Stack	
5-Oct-07	13:25:03	7.16	12.06	188.43	7.33	183.13	78.62	Monitoring Stack	
5-Oct-07	13:26:03	7.13	12.08	188.99	6.44	187.18	80.20	Monitoring Stack	
5-Oct-07	13:27:03	7.21	12.04	187.97	24.24	192.10	82.83	Monitoring Stack	
5-Oct-07	13:28:03	7.31	11.91	186.65	8.76	188.09	81.65	Monitoring Stack	
5-Oct-07	13:29:03	7.17	12.04	188.43	6.92	199.27	85.63	Monitoring Stack	
5-Oct-07	13:30:03	7.21	12.03	188.82	6.47	206.10	88.80	Monitoring Stack	
5-Oct-07	13:31:03	7.06	12.15	188.54	37.01	208.61	88.91	Monitoring Stack	
5-Oct-07	13:32:03	7.09	12.11	186.71	39.60	206.92	88.41	Monitoring Stack	
5-Oct-07	13:33:03	7.19	12.03	187.13	22.13	195.59	84.17	Monitoring Stack	
5-Oct-07	13:34:03	7.27	11.96	188.33	9.48	187.56	81.22	Monitoring Stack	
5-Oct-07	13:35:03	7.11	12.07	186.31	10.60	178.76	76.47	Monitoring Stack	
Average:	**13:35:24**	**7.16**	**12.02**	**186.45**	**8.94**	**189.95**	**81.58**	**Monitoring Stack**	
Maximum	13:35:24	7.39	12.22	190.49	39.60	208.98	89.90	Monitoring Stack	
Minimum	13:35:24	6.93	11.79	181.81	3.18	172.38	74.58	Monitoring Stack	
Std Dev	13:35:24	0.10	0.09	1.96	6.45	10.58	4.52	Monitoring Stack	
5-Oct-07	13:53:26	7.11	12.06	190.17	21.25	197.42	84.46	Monitoring Stack	
5-Oct-07	13:54:26	7.06	12.12	190.39	8.73	202.21	86.19	Monitoring Stack	
5-Oct-07	13:55:26	7.31	11.88	188.45	6.44	196.37	85.24	Monitoring Stack	
5-Oct-07	13:56:26	7.23	11.94	186.43	6.24	189.65	81.84	Monitoring Stack	
5-Oct-07	13:57:26	7.02	12.14	188.31	10.03	189.02	80.34	Monitoring Stack	
5-Oct-07	13:58:26	6.99	12.16	191.90	15.95	192.31	81.60	Monitoring Stack	
5-Oct-07	13:59:26	7.23	11.95	192.47	10.86	186.48	80.50	Monitoring Stack	
5-Oct-07	14:00:26	7.14	12.01	188.94	7.55	184.07	78.92	Monitoring Stack	
5-Oct-07	14:01:26	7.13	12.04	188.82	7.88	178.46	76.46	Monitoring Stack	
Average:	**14:50:42**	**7.13**	**12.03**	**189.54**	**10.55**	**190.67**	**81.73**	**Monitoring Stack**	
Maximum	14:50:42	7.31	12.16	192.47	21.25	202.21	86.19	Monitoring Stack	
Minimum	14:50:42	6.99	11.88	186.43	6.24	178.46	76.46	Monitoring Stack	
Std Dev	14:50:42	0.10	0.10	1.89	4.99	7.31	3.14	Monitoring Stack	
5-Oct-07	14:56:59	12.89	-0.01	4.83	0.05	0.39	0.29	Cal:13.0 O2	
5-Oct-07	14:57:09	12.88	-0.02	4.66	0.06	-0.42	-0.31	Cal:13.0 O2	
5-Oct-07	14:57:19	12.89	-0.02	4.55	0.06	-0.55	-0.41	Cal:13.0 O2	
5-Oct-07	14:57:29	12.89	-0.03	4.09	0.07	-0.09	-0.07	Cal:13.0 O2	
Average:	**14:57:30**	**12.89**	**-0.02**	**4.53**	**0.06**	**-0.17**	**-0.12**	**Cal:13.0 O2**	
Gas Value:	14:57:30	13	0	0	0	0	#N/A	13.0 O2	
Diff%ofSpan	14:57:30	-0.50%	-0.13%	0.90%	0.06%	-0.03%	#N/A		
5-Oct-07	15:00:02	0.07	8.92	246.42	-0.11	-1.23	-0.35	Cal:244 Nox 9.02 CO2	
5-Oct-07	15:00:12	0.07	8.93	247.31	-0.11	-1.13	-0.32	Cal:244 Nox 9.02 CO2	
5-Oct-07	15:00:22	0.07	8.93	247.39	-0.11	-1.00	-0.28	Cal:244 Nox 9.02 CO2	
5-Oct-07	15:00:32	0.06	8.93	247.45	-0.10	-1.13	-0.32	Cal:244 Nox 9.02 CO2	
Average:	**15:00:32**	**0.07**	**8.93**	**247.14**	**-0.11**	**-1.12**	**-0.32**	**Cal:244 Nox 9.02 CO2**	

Source Testing And Consulting Services, Inc. Lakeland Utilities
Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
Gas Value:	15:00:32	#N/A	9.02	244	#N/A	#N/A	#N/A	244 Nox 9.02 CO2	
Diff%ofSpan	15:00:32	#N/A	-0.53%	0.62%	#N/A	#N/A	#N/A		
5-Oct-07	15:02:57	0.03	0.00	16.68	0.07	213.18	60.26	Cal:219 SO2	
5-Oct-07	15:03:07	0.02	-0.02	16.61	0.07	213.93	60.46	Cal:219 SO2	
5-Oct-07	15:03:18	0.03	-0.03	16.58	0.07	213.91	60.49	Cal:219 SO2	
5-Oct-07	15:03:27	0.04	-0.04	16.20	0.07	214.32	60.61	Cal:219 SO2	
Average:	**15:03:27**	**0.03**	**-0.02**	**16.52**	**0.07**	**213.84**	**60.46**	**Cal:219 SO2**	
Gas Value:	15:03:27	#N/A	#N/A	#N/A	#N/A	219	#N/A	219 SO2	
Diff%ofSpan	15:03:27	#N/A	#N/A	#N/A	#N/A	-1.01%	#N/A		
5-Oct-07	15:06:42	0.03	-0.09	3.62	46.94	0.51	0.14	Cal:47.3 CO	
5-Oct-07	15:06:52	0.02	-0.09	3.50	46.94	0.37	0.10	Cal:47.3 CO	
5-Oct-07	15:07:02	0.02	-0.09	2.80	46.95	0.12	0.03	Cal:47.3 CO	
5-Oct-07	15:07:12	0.02	-0.09	2.67	46.95	-0.02	-0.01	Cal:47.3 CO	
Average:	**15:07:12**	**0.02**	**-0.09**	**3.15**	**46.95**	**0.24**	**0.07**	**Cal:47.3 CO**	
Gas Value:	15:07:12	0	0	#N/A	47.3	#N/A	#N/A	47.3 CO	
Diff%ofSpan	15:07:12	0.11%	-0.51%	#N/A	-0.38%	#N/A	#N/A		
5-Oct-07	15:10:30	7.15	12.00	184.92	6.39	182.67	78.36	Run 1 SE Pt 3	
5-Oct-07	15:11:00	7.20	11.99	185.28	6.09	182.41	78.53	Run 1 SE Pt 3	
5-Oct-07	15:11:30	7.14	12.02	185.66	5.67	178.07	76.38	Run 1 SE Pt 3	
5-Oct-07	15:12:00	7.12	12.06	186.72	5.30	181.83	77.83	Run 1 SE Pt 3	
5-Oct-07	15:12:30	7.14	12.05	186.75	5.42	182.97	78.43	Run 1 SE Pt 3	
5-Oct-07	15:13:00	7.10	12.08	184.68	5.51	184.34	78.83	Run 1 SE Pt 3	
5-Oct-07	15:13:30	7.17	12.02	185.71	4.74	185.07	79.55	Run 1 SE Pt 3	
5-Oct-07	15:14:00	7.17	12.01	184.11	4.58	184.15	79.12	Run 1 SE Pt 3	
5-Oct-07	15:14:30	7.18	12.01	184.29	4.51	181.42	78.01	Run 1 SE Pt 2	
5-Oct-07	15:15:00	7.22	11.96	186.04	4.31	182.08	78.54	Run 1 SE Pt 2	
5-Oct-07	15:15:30	7.11	12.04	183.96	4.37	187.27	80.14	Run 1 SE Pt 2	
5-Oct-07	15:16:01	7.12	12.05	183.79	5.39	192.35	82.37	Run 1 SE Pt 2	
5-Oct-07	15:16:30	7.10	12.05	185.09	6.09	193.26	82.64	Run 1 SE Pt 2	
5-Oct-07	15:17:00	6.99	12.14	186.77	5.23	189.00	80.19	Run 1 SE Pt 2	
5-Oct-07	15:17:30	7.04	12.13	187.64	5.20	184.92	78.71	Run 1 SE Pt 2	
5-Oct-07	15:18:00	7.10	12.06	187.08	6.84	179.73	76.82	Run 1 SE Pt 2	
5-Oct-07	15:18:30	7.17	11.99	186.89	8.38	174.23	74.86	Run 1 SE Pt 1	
5-Oct-07	15:19:00	7.07	12.10	186.34	6.71	171.35	73.09	Run 1 SE Pt 1	
5-Oct-07	15:19:30	7.24	11.95	186.62	5.30	170.79	73.77	Run 1 SE Pt 1	
5-Oct-07	15:20:01	7.25	11.93	184.81	5.21	166.99	72.20	Run 1 SE Pt 1	
5-Oct-07	15:20:30	7.24	11.93	181.90	6.92	166.59	71.94	Run 1 SE Pt 1	
5-Oct-07	15:21:00	7.17	12.00	182.85	7.98	169.72	72.94	Run 1 SE Pt 1	
5-Oct-07	15:21:30	7.18	12.01	183.63	10.99	172.34	74.10	Run 1 SE Pt 1	
5-Oct-07	15:22:01	7.27	11.92	182.39	9.64	174.23	75.41	Run 1 SE Pt 1	
Average:	**15:22:01**	**7.15**	**12.02**	**185.16**	**6.11**	**179.91**	**77.20**	**Run 1 SE**	
Maximum	15:22:01	7.27	12.14	187.64	10.99	193.26	82.64	Run 1 SE	
Minimum	15:22:01	6.99	11.92	181.90	4.31	166.59	71.94	Run 1 SE	
Std Dev	15:22:01	0.07	0.06	1.57	1.68	7.58	3.05	Run 1 SE	
5-Oct-07	15:26:30	7.13	12.05	186.17	5.72	192.10	82.29	Run 1 NE Pt 3	
5-Oct-07	15:27:00	7.04	12.13	185.25	7.11	198.28	84.38	Run 1 NE Pt 3	
5-Oct-07	15:27:32	7.10	12.10	185.09	7.72	201.71	86.25	Run 1 NE Pt 3	
5-Oct-07	15:28:00	7.03	12.14	185.65	6.81	203.24	86.45	Run 1 NE Pt 3	
5-Oct-07	15:28:30	7.19	12.02	185.51	9.05	201.83	86.83	Run 1 NE Pt 3	
5-Oct-07	15:29:00	7.15	12.03	183.84	8.45	198.17	85.01	Run 1 NE Pt 3	
5-Oct-07	15:29:30	7.18	12.02	182.02	7.79	196.99	84.74	Run 1 NE Pt 3	
5-Oct-07	15:30:00	7.01	12.14	182.65	6.59	193.52	82.22	Run 1 NE Pt 3	
5-Oct-07	15:30:30	7.15	12.07	184.04	9.09	193.23	82.90	Run 1 NE Pt 2	
5-Oct-07	15:31:00	7.22	11.98	184.73	8.06	185.13	79.84	Run 1 NE Pt 2	
5-Oct-07	15:31:30	7.17	12.01	183.54	5.78	181.54	77.99	Run 1 NE Pt 2	
5-Oct-07	15:32:00	7.12	12.07	184.14	7.11	183.53	78.56	Run 1 NE Pt 2	
5-Oct-07	15:32:30	7.08	12.09	184.21	10.97	185.90	79.37	Run 1 NE Pt 2	
5-Oct-07	15:33:00	6.97	12.17	182.86	16.97	188.49	79.83	Run 1 NE Pt 2	
5-Oct-07	15:33:30	6.96	12.23	183.65	17.24	195.58	82.81	Run 1 NE Pt 2	
5-Oct-07	15:34:00	7.09	12.11	184.17	14.31	197.10	84.20	Run 1 NE Pt 2	
5-Oct-07	15:34:30	7.10	12.07	182.85	9.38	195.56	83.62	Run 1 NE Pt 1	

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
5-Oct-07	15:35:00	7.59	11.87	184.27	10.24	198.61	88.37	Run 1 NE Pt 1	
5-Oct-07	15:35:30	9.08	10.26	176.65	8.87	185.54	92.65	Run 1 NE Pt 1	
5-Oct-07	15:36:00	9.12	10.23	158.95	5.93	172.97	86.65	Run 1 NE Pt 1	
5-Oct-07	15:36:30	9.19	10.18	156.95	4.81	166.95	84.15	Run 1 NE Pt 1	
5-Oct-07	15:37:00	9.24	10.13	158.34	4.35	163.20	82.61	Run 1 NE Pt 1	
5-Oct-07	15:37:30	9.23	10.13	157.63	5.87	162.29	82.08	Run 1 NE Pt 1	
5-Oct-07	15:38:00	9.27	10.11	155.73	5.83	159.41	80.85	Run 1 NE Pt 1	
Average:	**15:38:01**	**7.64**	**11.60**	**178.29**	**8.50**	**187.54**	**83.53**	**Run 1 NE**	
Maximum	15:38:01	9.27	12.23	186.17	17.24	203.24	92.65	Run 1 NE	
Minimum	15:38:01	6.96	10.11	155.73	4.35	159.41	77.99	Run 1 NE	
Std Dev	15:38:01	0.92	0.84	11.04	3.43	13.39	3.38	Run 1 NE	
5-Oct-07	15:42:31	7.30	11.91	181.39	6.06	170.84	74.10	Run 1 NW Pt 3	
5-Oct-07	15:43:00	7.21	11.99	181.72	5.80	169.13	72.90	Run 1 NW Pt 3	
5-Oct-07	15:43:30	7.31	11.91	181.67	4.74	168.51	73.15	Run 1 NW Pt 3	
5-Oct-07	15:44:00	7.26	11.95	180.97	4.55	167.43	72.43	Run 1 NW Pt 3	
5-Oct-07	15:44:31	7.33	11.89	181.59	5.90	167.55	72.87	Run 1 NW Pt 3	
5-Oct-07	15:45:00	7.17	12.01	182.80	6.66	165.03	70.93	Run 1 NW Pt 3	
5-Oct-07	15:45:30	7.20	12.01	183.08	7.43	167.14	72.00	Run 1 NW Pt 3	
5-Oct-07	15:46:00	7.27	11.95	182.46	7.95	167.72	72.60	Run 1 NW Pt 3	
5-Oct-07	15:46:30	7.26	11.95	182.52	5.86	169.57	73.33	Run 1 NW Pt 2	
5-Oct-07	15:47:00	7.13	12.07	182.81	5.58	173.74	74.47	Run 1 NW Pt 2	
5-Oct-07	15:47:30	7.28	11.93	182.80	6.77	177.03	76.69	Run 1 NW Pt 2	
5-Oct-07	15:48:00	7.30	11.91	182.76	5.72	175.44	76.10	Run 1 NW Pt 2	
5-Oct-07	15:48:30	7.20	11.97	183.04	5.66	176.68	76.11	Run 1 NW Pt 2	
5-Oct-07	15:49:00	7.15	12.05	182.34	8.12	184.02	78.98	Run 1 NW Pt 2	
5-Oct-07	15:49:30	7.28	11.93	183.61	7.10	185.67	80.42	Run 1 NW Pt 2	
5-Oct-07	15:50:00	7.30	11.91	182.92	5.41	186.27	80.81	Run 1 NW Pt 2	
5-Oct-07	15:50:30	7.39	11.84	185.40	4.61	186.60	81.50	Run 1 NW Pt 1	
5-Oct-07	15:51:00	10.87	9.29	183.48	3.87	181.21	112.69	Run 1 NW Pt 1	
5-Oct-07	15:51:30	13.73	6.23	150.99	2.81	126.07	103.57	Run 1 NW Pt 1	
5-Oct-07	15:52:00	13.67	6.26	100.10	2.54	103.33	84.41	Run 1 NW Pt 1	
5-Oct-07	15:52:30	13.48	6.23	95.89	3.18	99.76	79.92	Run 1 NW Pt 1	
5-Oct-07	15:53:00	12.78	6.99	96.56	3.31	105.12	76.42	Run 1 NW Pt 1	
5-Oct-07	15:53:30	13.22	6.65	107.28	3.09	109.02	83.93	Run 1 NW Pt 1	
5-Oct-07	15:54:00	13.64	6.27	101.68	2.63	103.49	84.72	Run 1 NW Pt 1	
Average:	**15:54:00**	**8.95**	**10.46**	**164.16**	**5.22**	**157.77**	**79.38**	**Run 1 NW**	
Maximum	15:54:00	13.73	12.07	185.40	8.12	186.60	112.69	Run 1 NW	
Minimum	15:54:00	7.13	6.23	95.89	2.54	99.76	70.93	Run 1 NW	
Std Dev	15:54:00	2.74	2.44	34.14	1.70	30.48	9.88	Run 1 NW	
5-Oct-07	15:58:37	7.22	12.00	180.92	8.92	177.67	76.60	Run 1 SW Pt 3	
5-Oct-07	15:59:07	7.33	11.90	181.10	11.88	183.62	79.81	Run 1 SW Pt 3	
5-Oct-07	15:59:37	7.18	12.00	181.50	10.00	186.56	80.21	Run 1 SW Pt 3	
5-Oct-07	16:00:07	7.24	12.00	185.04	7.26	192.23	83.00	Run 1 SW Pt 3	
5-Oct-07	16:00:37	7.30	11.91	186.31	4.97	193.99	84.17	Run 1 SW Pt 3	
5-Oct-07	16:01:07	7.25	11.96	183.83	4.92	195.79	84.61	Run 1 SW Pt 3	
5-Oct-07	16:01:38	7.29	11.93	183.17	8.49	194.62	84.39	Run 1 SW Pt 3	
5-Oct-07	16:02:07	7.26	11.93	181.01	8.54	193.47	83.66	Run 1 SW Pt 3	
5-Oct-07	16:02:37	7.17	12.03	180.96	9.63	196.97	84.64	Run 1 SW Pt 2	
5-Oct-07	16:03:07	7.26	11.96	182.69	9.41	198.45	85.87	Run 1 SW Pt 2	
5-Oct-07	16:03:37	7.17	12.02	182.79	7.79	190.75	81.98	Run 1 SW Pt 2	
5-Oct-07	16:04:07	7.14	12.06	183.00	11.19	190.07	81.49	Run 1 SW Pt 2	
5-Oct-07	16:04:37	7.15	12.06	183.59	17.89	189.81	81.47	Run 1 SW Pt 2	
5-Oct-07	16:05:07	7.21	12.00	182.84	20.13	188.14	81.09	Run 1 SW Pt 2	
5-Oct-07	16:05:38	7.26	11.96	182.54	11.25	188.16	81.38	Run 1 SW Pt 2	
5-Oct-07	16:06:07	7.25	11.95	183.57	6.46	187.93	81.21	Run 1 SW Pt 2	
5-Oct-07	16:06:37	7.10	12.08	183.11	5.39	188.38	80.55	Run 1 SW Pt 1	
5-Oct-07	16:07:07	7.20	12.02	184.65	6.20	186.31	80.24	Run 1 SW Pt 1	
5-Oct-07	16:07:37	7.28	11.93	183.71	6.66	177.94	77.07	Run 1 SW Pt 1	
5-Oct-07	16:08:07	7.23	11.96	182.95	5.99	174.71	75.43	Run 1 SW Pt 1	
5-Oct-07	16:08:37	7.27	11.94	182.13	13.12	169.97	73.58	Run 1 SW Pt 1	
5-Oct-07	16:09:07	7.18	12.01	180.94	13.23	165.83	71.33	Run 1 SW Pt 1	
5-Oct-07	16:09:38	7.30	11.92	182.39	9.26	163.65	71.00	Run 1 SW Pt 1	

Source Testing And Consulting Services, Inc. Lakeland Utilities
Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
5-Oct-07	16:10:07	7.26	11.94	182.36	7.88	162.53	70.28	Run 1 SW Pt 1	
Average:	**16:10:07**	**7.23**	**11.98**	**182.80**	**9.44**	**184.90**	**79.80**	**Run 1 SW**	
Maximum	16:10:07	7.33	12.08	186.31	20.13	198.45	85.87	Run 1 SW	
Minimum	16:10:07	7.10	11.90	180.92	4.92	162.53	70.28	Run 1 SW	
Std Dev	16:10:07	0.06	0.05	1.37	3.81	10.69	4.57	Run 1 SW	
5-Oct-07	16:13:14	0.04	-0.03	3.89	46.97	-0.24	-0.07	Cal:47.3 CO	
5-Oct-07	16:13:24	0.04	-0.04	3.84	47.09	-0.10	-0.03	Cal:47.3 CO	
5-Oct-07	16:13:35	0.04	-0.05	3.84	47.16	-0.05	-0.02	Cal:47.3 CO	
5-Oct-07	16:13:44	0.04	-0.05	3.83	47.16	-0.53	-0.15	Cal:47.3 CO	
Average:	**16:13:44**	**0.04**	**-0.04**	**3.85**	**47.09**	**-0.23**	**-0.07**	**Cal:47.3 CO**	
Gas Value:	16:13:44	0	0	#N/A	47.3	#N/A	#N/A	47.3 CO	
Diff%ofSpan	16:13:44	0.17%	-0.24%	#N/A	-0.22%	#N/A	#N/A		
5-Oct-07	16:17:53	0.02	-0.13	14.91	0.13	216.45	61.15	Cal:	
5-Oct-07	16:18:00	0.02	-0.13	14.90	0.18	216.70	61.22	Cal:	
Average:	**16:18:01**	**0.02**	**-0.13**	**14.90**	**0.16**	**216.58**	**61.18**	**Cal:**	
Gas Value:	16:18:01								
Diff%ofSpan	16:18:01	0.07%	-0.72%	2.96%	0.17%	42.30%	#DIV/0!		
5-Oct-07	16:18:22	0.02	-0.13	14.83	0.08	216.79	61.26	Cal:219 SO2	
5-Oct-07	16:18:32	0.02	-0.13	14.82	0.09	216.60	61.19	Cal:219 SO2	
5-Oct-07	16:18:42	0.02	-0.13	14.78	0.09	216.94	61.29	Cal:219 SO2	
5-Oct-07	16:18:52	0.01	-0.13	14.94	0.09	217.12	61.34	Cal:219 SO2	
Average:	**16:18:52**	**0.02**	**-0.13**	**14.84**	**0.09**	**216.86**	**61.27**	**Cal:219 SO2**	
Gas Value:	16:18:52	#N/A	#N/A	#N/A	#N/A	219	#N/A	219 SO2	
Diff%ofSpan	16:18:52	#N/A	#N/A	#N/A	#N/A	-0.42%	#N/A		
5-Oct-07	16:23:28	0.03	8.92	249.80	-0.08	-0.57	-0.16	Cal:244 Nox 9.02 CO2	
5-Oct-07	16:23:38	0.02	8.92	249.82	-0.08	-0.58	-0.17	Cal:244 Nox 9.02 CO2	
5-Oct-07	16:23:49	0.02	8.92	249.83	-0.08	-0.36	-0.10	Cal:244 Nox 9.02 CO2	
5-Oct-07	16:23:58	0.02	8.92	249.81	-0.08	-0.85	-0.24	Cal:244 Nox 9.02 CO2	
Average:	**16:23:58**	**0.02**	**8.92**	**249.82**	**-0.08**	**-0.59**	**-0.17**	**Cal:244 Nox 9.02 CO2**	
Gas Value:	16:23:58	#N/A	9.02	244	#N/A	#N/A	#N/A	244 Nox 9.02 CO2	
Diff%ofSpan	16:23:58	#N/A	-0.56%	1.15%	#N/A	#N/A	#N/A		
5-Oct-07	16:27:24	12.88	-0.06	4.03	0.09	-1.54	-1.14	Cal:13.0 O2	
5-Oct-07	16:27:34	12.88	-0.07	4.04	0.09	-1.43	-1.05	Cal:13.0 O2	
5-Oct-07	16:27:44	12.89	-0.07	4.04	0.09	-1.26	-0.93	Cal:13.0 O2	
5-Oct-07	16:27:57	12.89	-0.08	4.04	0.09	-1.28	-0.94	Cal:13.0 O2	
Average:	**16:27:58**	**12.89**	**-0.07**	**4.04**	**0.09**	**-1.38**	**-1.01**	**Cal:13.0 O2**	
Gas Value:	16:27:58	13	0	0	0	0	#N/A	13.0 O2	
Diff%ofSpan	16:27:58	-0.50%	-0.39%	0.80%	0.10%	-0.27%	#N/A		
5-Oct-07	16:32:30	7.36	11.86	183.02	4.24	189.77	82.71	Run 2 SW Pt 3	
5-Oct-07	16:33:00	7.32	11.90	183.55	5.53	186.23	80.93	Run 2 SW Pt 3	
5-Oct-07	16:33:30	7.28	11.94	183.96	10.24	180.43	78.15	Run 2 SW Pt 3	
5-Oct-07	16:34:00	7.08	12.11	183.68	15.03	179.31	76.56	Run 2 SW Pt 3	
5-Oct-07	16:34:30	7.18	12.06	185.70	13.76	174.21	74.89	Run 2 SW Pt 3	
5-Oct-07	16:35:00	7.14	12.06	184.58	10.07	168.08	72.05	Run 2 SW Pt 3	
5-Oct-07	16:35:30	7.26	11.97	184.63	7.48	170.48	73.75	Run 2 SW Pt 3	
5-Oct-07	16:36:01	7.29	11.91	184.97	5.32	169.70	73.57	Run 2 SW Pt 3	
5-Oct-07	16:36:30	7.31	11.91	184.98	4.73	171.54	74.46	Run 2 SW Pt 2	
5-Oct-07	16:37:00	7.35	11.86	185.00	5.23	168.52	73.38	Run 2 SW Pt 2	
5-Oct-07	16:37:30	7.35	11.87	185.66	5.75	169.93	73.99	Run 2 SW Pt 2	
5-Oct-07	16:38:02	7.39	11.82	184.98	5.48	172.04	75.12	Run 2 SW Pt 2	
5-Oct-07	16:38:30	7.45	11.79	184.00	5.22	174.71	76.64	Run 2 SW Pt 2	
5-Oct-07	16:39:00	7.45	11.75	183.54	4.93	176.65	77.51	Run 2 SW Pt 2	
5-Oct-07	16:39:30	7.36	11.85	183.28	4.71	180.49	78.65	Run 2 SW Pt 2	
5-Oct-07	16:40:01	7.45	11.78	184.16	5.82	182.88	80.20	Run 2 SW Pt 2	
5-Oct-07	16:40:30	7.48	11.74	182.93	5.50	183.33	80.58	Run 2 SW Pt 1	
5-Oct-07	16:41:00	7.48	11.75	182.91	4.70	184.68	81.18	Run 2 SW Pt 1	
5-Oct-07	16:41:30	7.57	11.66	182.90	4.42	182.12	80.59	Run 2 SW Pt 1	
5-Oct-07	16:42:00	7.51	11.72	181.94	4.22	180.68	79.59	Run 2 SW Pt 1	
5-Oct-07	16:42:30	7.48	11.76	182.03	3.95	184.17	80.95	Run 2 SW Pt 1	
5-Oct-07	16:43:00	7.48	11.74	186.12	3.89	183.95	80.88	Run 2 SW Pt 1	

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
5-Oct-07	16:43:30	7.42	11.81	188.69	3.74	186.99	81.85	Run 2 SW Pt 1	
5-Oct-07	16:44:01	7.44	11.79	189.98	4.24	191.53	83.96	Run 2 SW Pt 1	
5-Oct-07	16:44:30	7.46	11.79	189.97	5.40	191.77	84.15	Run 2 SW Pt 1	
Average:	**16:44:48**	**7.37**	**11.85**	**184.69**	**6.14**	**179.37**	**78.25**	**Run 2 SW**	
Maximum	16:44:48	7.57	12.11	189.98	15.03	191.77	84.15	Run 2 SW	
Minimum	16:44:48	7.08	11.66	181.94	3.74	168.08	72.05	Run 2 SW	
Std Dev	16:44:48	0.12	0.11	2.14	2.98	7.37	3.60	Run 2 SW	
5-Oct-07	16:50:30	7.42	11.79	184.72	3.95	187.36	82.02	Run 2 NW Pt 1	
5-Oct-07	16:51:01	7.37	11.87	185.14	4.93	190.79	83.18	Run 2 NW Pt 1	
5-Oct-07	16:51:30	7.39	11.84	185.63	5.69	187.56	81.92	Run 2 NW Pt 1	
5-Oct-07	16:52:01	7.48	11.76	185.68	5.49	184.54	81.16	Run 2 NW Pt 1	
5-Oct-07	16:52:30	7.51	11.72	185.06	4.63	180.03	79.35	Run 2 NW Pt 1	
5-Oct-07	16:53:00	7.47	11.76	184.09	3.80	176.73	77.63	Run 2 NW Pt 1	
5-Oct-07	16:53:30	7.54	11.72	183.35	3.82	175.32	77.40	Run 2 NW Pt 1	
5-Oct-07	16:54:00	7.51	11.73	183.12	3.76	170.41	75.08	Run 2 NW Pt 1	
5-Oct-07	16:54:31	7.49	11.74	184.00	3.69	168.97	74.34	Run 2 NW Pt 1	
5-Oct-07	16:55:00	7.49	11.74	185.62	4.06	170.31	74.91	Run 2 NW Pt 1	
5-Oct-07	16:55:30	7.44	11.79	186.80	3.73	175.16	76.78	Run 2 NW Pt 1	
5-Oct-07	16:56:00	7.42	11.81	185.49	3.68	177.53	77.72	Run 2 NW Pt 1	
5-Oct-07	16:56:30	7.59	11.65	186.08	4.24	177.07	78.46	Run 2 NW Pt 1	
5-Oct-07	16:57:00	7.44	11.77	186.55	3.99	174.23	76.34	Run 2 NW Pt 1	
5-Oct-07	16:57:30	7.49	11.76	185.89	3.92	174.98	76.98	Run 2 NW Pt 1	
5-Oct-07	16:58:00	7.60	11.63	184.18	4.01	173.02	76.75	Run 2 NW Pt 1	
5-Oct-07	16:58:31	7.54	11.68	183.05	3.39	173.02	76.44	Run 2 NW Pt 1	
5-Oct-07	16:59:00	7.56	11.67	184.29	3.11	171.48	75.87	Run 2 NW Pt 1	
5-Oct-07	16:59:30	7.53	11.70	183.83	3.11	165.45	73.02	Run 2 NW Pt 1	
5-Oct-07	17:00:00	7.49	11.73	185.05	3.15	162.31	71.43	Run 2 NW Pt 1	
5-Oct-07	17:00:30	7.56	11.69	185.05	3.31	162.53	71.86	Run 2 NW Pt 1	
5-Oct-07	17:01:00	7.60	11.63	184.64	3.32	159.22	70.65	Run 2 NW Pt 1	
5-Oct-07	17:01:30	7.48	11.72	183.30	3.49	159.96	70.34	Run 2 NW Pt 1	
5-Oct-07	17:02:00	7.50	11.73	184.65	4.06	164.78	72.55	Run 2 NW Pt 1	
Average:	**17:02:25**	**7.50**	**11.73**	**184.80**	**3.93**	**173.45**	**76.34**	**Run 2 NW**	
Maximum	17:02:25	7.60	11.87	186.80	5.69	190.79	83.18	Run 2 NW	
Minimum	17:02:25	7.37	11.63	183.05	3.11	159.22	70.34	Run 2 NW	
Std Dev	17:02:25	0.06	0.06	1.06	0.68	8.65	3.60	Run 2 NW	
5-Oct-07	17:10:33	7.48	11.75	186.97	4.89	192.63	84.67	Run 2 NE Pt 3	
5-Oct-07	17:11:03	7.46	11.76	187.50	4.38	187.15	82.13	Run 2 NE Pt 3	
5-Oct-07	17:11:33	7.43	11.79	189.39	3.77	183.80	80.52	Run 2 NE Pt 3	
5-Oct-07	17:12:03	7.50	11.73	189.95	3.73	182.44	80.36	Run 2 NE Pt 3	
5-Oct-07	17:12:34	7.48	11.73	188.50	3.44	180.31	79.29	Run 2 NE Pt 3	
5-Oct-07	17:13:03	7.31	11.88	187.60	3.69	179.58	77.95	Run 2 NE Pt 3	
5-Oct-07	17:13:34	7.16	12.04	189.69	11.76	184.23	79.09	Run 2 NE Pt 3	
5-Oct-07	17:14:03	7.22	11.99	191.47	21.27	188.54	81.33	Run 2 NE Pt 3	
5-Oct-07	17:14:33	7.33	11.90	191.76	12.80	187.91	81.67	Run 2 NE Pt 2	
5-Oct-07	17:15:03	7.33	11.87	189.93	6.02	186.92	81.28	Run 2 NE Pt 2	
5-Oct-07	17:15:33	7.33	11.88	187.67	6.27	190.35	82.75	Run 2 NE Pt 2	
5-Oct-07	17:16:03	7.38	11.84	184.83	6.01	189.33	82.62	Run 2 NE Pt 2	
5-Oct-07	17:16:34	7.26	11.92	184.41	4.51	188.25	81.44	Run 2 NE Pt 2	
5-Oct-07	17:17:03	7.15	12.06	185.64	4.50	196.17	84.15	Run 2 NE Pt 2	
5-Oct-07	17:17:33	7.25	11.95	184.77	4.90	195.96	84.71	Run 2 NE Pt 2	
5-Oct-07	17:18:03	7.28	11.92	182.88	4.89	192.34	83.30	Run 2 NE Pt 2	
5-Oct-07	17:18:33	7.20	11.99	182.01	6.85	191.91	82.67	Run 2 NE Pt 1	
5-Oct-07	17:19:03	7.40	11.83	182.04	9.22	190.22	83.15	Run 2 NE Pt 1	
5-Oct-07	17:19:33	7.37	11.83	181.19	7.45	184.64	80.53	Run 2 NE Pt 1	
5-Oct-07	17:20:04	7.40	11.82	181.81	5.36	184.10	80.44	Run 2 NE Pt 1	
5-Oct-07	17:20:33	7.32	11.89	183.00	5.03	183.98	79.91	Run 2 NE Pt 1	
5-Oct-07	17:21:03	7.33	11.87	182.97	5.64	184.68	80.31	Run 2 NE Pt 1	
5-Oct-07	17:21:33	7.37	11.84	183.76	4.81	184.75	80.56	Run 2 NE Pt 1	
5-Oct-07	17:22:03	7.35	11.86	182.59	4.76	184.41	80.27	Run 2 NE Pt 1	
Average:	**17:22:12**	**7.34**	**11.87**	**185.93**	**6.50**	**187.27**	**81.46**	**Run 2 NE**	
Maximum	17:22:12	7.50	12.06	191.76	21.27	196.17	84.71	Run 2 NE	

Source Testing And Consulting Services, Inc. Lakeland Utilities
Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
Minimum	17:22:12	7.15	11.73	181.19	3.44	179.58	77.95	Run 2 NE	
Std Dev	17:22:12	0.10	0.09	3.34	3.94	4.46	1.77	Run 2 NE	
5-Oct-07	17:28:30	7.51	11.71	179.85	5.76	170.41	75.09	Run 2 SE Pt 3	
5-Oct-07	17:29:01	7.57	11.68	179.89	4.38	175.86	77.82	Run 2 SE Pt 3	
5-Oct-07	17:29:30	7.55	11.66	179.64	3.62	176.74	78.11	Run 2 SE Pt 3	
5-Oct-07	17:30:00	7.23	11.94	179.45	6.30	181.34	78.28	Run 2 SE Pt 3	
5-Oct-07	17:30:30	7.29	11.95	182.22	11.20	188.11	81.56	Run 2 SE Pt 3	
5-Oct-07	17:31:00	7.52	11.73	183.40	7.80	187.49	82.68	Run 2 SE Pt 3	
5-Oct-07	17:31:30	7.50	11.72	181.85	5.01	185.19	81.51	Run 2 SE Pt 3	
5-Oct-07	17:32:01	7.36	11.86	180.69	5.07	187.70	81.76	Run 2 SE Pt 3	
5-Oct-07	17:32:30	7.31	11.87	181.10	8.27	190.12	82.54	Run 2 SE Pt 2	
5-Oct-07	17:33:00	7.21	12.03	183.39	18.39	193.24	83.28	Run 2 SE Pt 2	
5-Oct-07	17:33:30	7.52	11.73	184.70	18.99	194.49	85.76	Run 2 SE Pt 2	
5-Oct-07	17:34:00	7.39	11.79	181.36	9.36	190.52	83.22	Run 2 SE Pt 2	
5-Oct-07	17:34:30	7.37	11.84	181.71	5.68	189.53	82.64	Run 2 SE Pt 2	
5-Oct-07	17:35:00	7.47	11.76	181.77	5.12	182.42	80.14	Run 2 SE Pt 2	
5-Oct-07	17:35:30	7.36	11.83	180.55	4.76	177.70	77.42	Run 2 SE Pt 2	
5-Oct-07	17:36:01	7.31	11.91	183.01	5.20	176.58	76.68	Run 2 SE Pt 2	
5-Oct-07	17:36:30	7.42	11.82	187.05	5.16	173.75	76.07	Run 2 SE Pt 1	
5-Oct-07	17:37:01	7.43	11.81	185.32	4.75	173.23	75.88	Run 2 SE Pt 1	
5-Oct-07	17:37:30	7.45	11.78	186.05	4.11	175.42	76.96	Run 2 SE Pt 1	
5-Oct-07	17:38:00	7.33	11.86	185.12	3.86	177.19	77.05	Run 2 SE Pt 1	
5-Oct-07	17:38:30	7.23	11.99	183.84	8.09	182.46	78.78	Run 2 SE Pt 1	
5-Oct-07	17:39:00	7.37	11.88	183.97	10.16	185.70	80.99	Run 2 SE Pt 1	
5-Oct-07	17:39:31	7.36	11.84	182.50	6.78	183.80	80.10	Run 2 SE Pt 1	
5-Oct-07	17:40:00	7.29	11.94	180.63	6.53	187.19	81.17	Run 2 SE Pt 1	
Average:	**17:40:03**	**7.39**	**11.83**	**182.46**	**7.26**	**182.76**	**79.81**	**Run 2 SE Pt 1**	
Maximum	17:40:03	7.57	12.03	187.05	18.99	194.49	85.76	Run 2 SE Pt 1	
Minimum	17:40:03	7.21	11.66	179.45	3.62	170.41	75.09	Run 2 SE Pt 1	
Std Dev	17:40:03	0.10	0.10	2.14	4.05	6.85	2.87	Run 2 SE Pt 1	
5-Oct-07	17:43:19	12.97	-0.04	3.95	0.09	-0.49	-0.37	Cal:13.0 O2	
5-Oct-07	17:43:28	12.97	-0.05	3.97	0.09	-0.92	-0.68	Cal:13.0 O2	
5-Oct-07	17:43:38	12.98	-0.06	3.95	0.09	-0.83	-0.62	Cal:13.0 O2	
Average:	**17:43:40**	**12.97**	**-0.05**	**3.96**	**0.09**	**-0.75**	**-0.56**	**Cal:13.0 O2**	
Gas Value:	17:43:40	13	0	0	0	0	#N/A	13.0 O2	
Diff%ofSpan	17:43:40	-0.12%	-0.28%	0.79%	0.10%	-0.15%	#N/A		
5-Oct-07	17:46:50	0.08	8.91	245.89	-0.08	-1.76	-0.50	Cal:244 Nox 9.02 CO2	
5-Oct-07	17:47:00	0.08	8.91	245.89	-0.19	-1.59	-0.45	Cal:244 Nox 9.02 CO2	
5-Oct-07	17:47:10	0.07	8.91	245.88	-0.13	-1.99	-0.56	Cal:244 Nox 9.02 CO2	
Average:	**17:47:11**	**0.08**	**8.91**	**245.89**	**-0.13**	**-1.78**	**-0.50**	**Cal:244 Nox 9.02 CO2**	
Gas Value:	17:47:11	#N/A	9.02	244	#N/A	#N/A	#N/A	244 Nox 9.02 CO2	
Diff%ofSpan	17:47:11	#N/A	-0.62%	0.38%	#N/A	#N/A	#N/A		
5-Oct-07	17:50:09	0.04	-0.05	15.96	0.09	214.39	60.64	Cal:219 SO2	
5-Oct-07	17:50:19	0.03	-0.06	15.95	0.08	214.73	60.72	Cal:219 SO2	
5-Oct-07	17:50:29	0.04	-0.06	15.91	0.09	215.11	60.83	Cal:219 SO2	
5-Oct-07	17:50:39	0.04	-0.07	15.91	0.09	215.05	60.82	Cal:219 SO2	
Average:	**17:50:40**	**0.04**	**-0.06**	**15.93**	**0.09**	**214.82**	**60.75**	**Cal:219 SO2**	
Gas Value:	17:50:40	#N/A	#N/A	#N/A	#N/A	219	#N/A	219 SO2	
Diff%ofSpan	17:50:40	#N/A	#N/A	#N/A	#N/A	-0.82%	#N/A		
5-Oct-07	17:53:44	0.03	-0.10	3.08	46.96	0.00	0.00	Cal:47.3 CO	
5-Oct-07	17:53:53	0.03	-0.11	3.07	46.96	0.24	0.07	Cal:47.3 CO	
5-Oct-07	17:54:03	0.03	-0.11	3.03	46.76	-0.14	-0.04	Cal:47.3 CO	
Average:	**17:54:03**	**0.03**	**-0.11**	**3.06**	**46.89**	**0.04**	**0.01**	**Cal:47.3 CO**	
Gas Value:	17:54:03	0	0	#N/A	47.3	#N/A	#N/A	47.3 CO	
Diff%ofSpan	17:54:03	0.13%	-0.60%	#N/A	-0.43%	#N/A	#N/A		
5-Oct-07	18:01:30	7.28	11.99	183.63	12.16	185.02	80.14	Run 3 SE Pt 3	
5-Oct-07	18:02:01	7.27	11.95	185.08	8.02	186.34	80.69	Run 3 SE Pt 3	
5-Oct-07	18:02:30	7.30	11.96	184.04	6.51	187.96	81.53	Run 3 SE Pt 3	
5-Oct-07	18:03:00	7.43	11.84	183.97	6.91	183.81	80.48	Run 3 SE Pt 3	
5-Oct-07	18:03:30	7.22	11.97	182.77	6.05	184.11	79.39	Run 3 SE Pt 3	

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
5-Oct-07	18:04:00	7.23	12.04	184.27	13.28	190.45	82.22	Run 3 SE Pt 3	
5-Oct-07	18:04:30	7.44	11.81	184.23	16.34	189.01	82.84	Run 3 SE Pt 3	
5-Oct-07	18:05:00	7.45	11.80	182.74	8.50	187.30	82.17	Run 3 SE Pt 3	
5-Oct-07	18:05:30	7.38	11.86	183.54	4.51	187.99	82.02	Run 3 SE Pt 2	
5-Oct-07	18:06:01	7.37	11.85	184.04	3.60	186.82	81.49	Run 3 SE Pt 2	
5-Oct-07	18:06:30	7.27	11.95	183.12	3.89	189.04	81.82	Run 3 SE Pt 2	
5-Oct-07	18:07:00	7.38	11.88	184.94	4.30	192.31	83.92	Run 3 SE Pt 2	
5-Oct-07	18:07:30	7.29	11.93	183.51	4.07	189.02	81.96	Run 3 SE Pt 2	
5-Oct-07	18:08:00	7.30	11.95	183.00	3.73	189.95	82.41	Run 3 SE Pt 2	
5-Oct-07	18:08:30	7.25	11.97	183.88	3.98	188.07	81.28	Run 3 SE Pt 2	
5-Oct-07	18:09:00	7.27	11.97	183.87	11.32	186.17	80.56	Run 3 SE Pt 2	
5-Oct-07	18:09:30	7.21	12.04	183.16	13.47	185.53	79.94	Run 3 SE Pt 1	
5-Oct-07	18:10:01	7.23	12.00	184.61	9.18	186.54	80.53	Run 3 SE Pt 1	
5-Oct-07	18:10:30	7.34	11.90	183.98	8.00	186.36	81.06	Run 3 SE Pt 1	
5-Oct-07	18:11:00	7.28	11.97	183.75	7.87	183.06	79.29	Run 3 SE Pt 1	
5-Oct-07	18:11:30	7.35	11.90	183.43	8.93	177.79	77.42	Run 3 SE Pt 1	
5-Oct-07	18:12:00	7.22	12.00	184.10	6.58	171.76	74.08	Run 3 SE Pt 1	
5-Oct-07	18:12:30	7.24	12.01	183.42	6.14	171.00	73.86	Run 3 SE Pt 1	
5-Oct-07	18:13:00	7.35	11.92	184.10	5.14	166.34	72.43	Run 3 SE Pt 1	
Average:	**18:13:01**	**7.31**	**11.94**	**183.80**	**7.60**	**184.66**	**80.15**	**Run 3 SE**	
Maximum	18:13:01	7.45	12.04	185.08	16.34	192.31	83.92	Run 3 SE	
Minimum	18:13:01	7.21	11.80	182.74	3.60	166.34	72.43	Run 3 SE	
Std Dev	18:13:01	0.07	0.07	0.61	3.53	6.51	2.92	Run 3 SE	
5-Oct-07	18:18:30	7.47	11.80	186.54	3.94	178.55	78.43	Run 3 NE Pt 3	
5-Oct-07	18:19:00	7.23	12.01	185.22	4.08	181.68	78.44	Run 3 NE Pt 3	
5-Oct-07	18:19:30	7.42	11.85	185.75	4.84	188.22	82.38	Run 3 NE Pt 3	
5-Oct-07	18:20:00	7.18	12.05	183.47	4.79	188.64	81.12	Run 3 NE Pt 3	
5-Oct-07	18:20:30	7.40	11.88	185.46	6.15	193.47	84.54	Run 3 NE Pt 3	
5-Oct-07	18:21:01	7.31	11.92	185.53	4.83	191.34	83.08	Run 3 NE Pt 3	
5-Oct-07	18:21:30	7.13	12.10	187.15	4.29	195.99	84.00	Run 3 NE Pt 3	
5-Oct-07	18:22:01	7.29	11.99	189.79	4.64	199.75	86.57	Run 3 NE Pt 3	
5-Oct-07	18:22:30	7.35	11.88	188.18	3.90	194.53	84.73	Run 3 NE Pt 2	
5-Oct-07	18:23:00	7.32	11.97	186.01	4.04	191.30	83.10	Run 3 NE Pt 2	
5-Oct-07	18:23:30	7.49	11.79	185.03	4.85	187.19	82.35	Run 3 NE Pt 2	
5-Oct-07	18:24:00	7.30	11.92	184.51	4.38	180.51	78.32	Run 3 NE Pt 2	
5-Oct-07	18:24:31	7.26	11.99	186.26	7.06	181.49	78.51	Run 3 NE Pt 2	
5-Oct-07	18:25:00	7.25	12.03	187.44	8.27	178.74	77.24	Run 3 NE Pt 2	
5-Oct-07	18:25:30	7.44	11.84	189.14	6.61	176.30	77.26	Run 3 NE Pt 2	
5-Oct-07	18:26:00	7.31	11.93	188.11	4.11	174.50	75.78	Run 3 NE Pt 2	
5-Oct-07	18:26:30	7.30	11.95	186.49	3.76	177.76	77.11	Run 3 NE Pt 1	
5-Oct-07	18:27:00	7.31	11.95	184.99	5.33	182.73	79.34	Run 3 NE Pt 1	
5-Oct-07	18:27:30	7.25	11.98	184.07	5.65	185.31	80.11	Run 3 NE Pt 1	
5-Oct-07	18:28:00	7.32	11.97	184.10	5.64	186.50	81.03	Run 3 NE Pt 1	
5-Oct-07	18:28:31	7.23	11.99	183.66	6.11	188.21	81.23	Run 3 NE Pt 1	
5-Oct-07	18:29:00	7.28	11.98	183.88	5.73	193.69	83.93	Run 3 NE Pt 1	
5-Oct-07	18:29:30	7.33	11.93	184.34	4.50	193.95	84.30	Run 3 NE Pt 1	
5-Oct-07	18:30:00	7.31	11.96	185.67	3.78	195.57	84.93	Run 3 NE Pt 1	
Average:	**18:30:01**	**7.31**	**11.94**	**185.87**	**5.05**	**186.91**	**81.16**	**Run 3 NE**	
Maximum	18:30:01	7.49	12.10	189.79	8.27	199.75	86.57	Run 3 NE	
Minimum	18:30:01	7.13	11.79	183.47	3.76	174.50	75.78	Run 3 NE	
Std Dev	18:30:01	0.09	0.07	1.73	1.16	7.13	3.05	Run 3 NE	
5-Oct-07	18:34:30	7.40	11.88	184.04	5.92	207.10	90.50	Run 3 NW Pt 3	
5-Oct-07	18:35:00	7.41	11.86	183.52	4.84	212.03	92.71	Run 3 NW Pt 3	
5-Oct-07	18:35:30	7.36	11.92	184.10	4.86	213.57	93.06	Run 3 NW Pt 3	
5-Oct-07	18:36:00	7.33	11.93	186.05	7.03	210.07	91.33	Run 3 NW Pt 3	
5-Oct-07	18:36:31	7.32	11.93	186.93	7.81	206.06	89.54	Run 3 NW Pt 3	
5-Oct-07	18:37:00	7.33	11.95	188.35	5.35	201.81	87.77	Run 3 NW Pt 3	
5-Oct-07	18:37:30	7.34	11.93	188.09	4.25	196.87	85.64	Run 3 NW Pt 3	
5-Oct-07	18:38:00	7.22	11.99	185.24	5.33	195.92	84.48	Run 3 NW Pt 3	
5-Oct-07	18:38:30	7.05	12.20	185.08	10.01	200.43	85.40	Run 3 NW Pt 2	
5-Oct-07	18:39:00	7.35	11.95	188.33	15.86	196.31	85.46	Run 3 NW Pt 2	
5-Oct-07	18:39:42	7.49	11.79	186.65	12.84	191.49	84.23	Run 3 NW Pt 2	

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
5-Oct-07	18:40:00	7.37	11.87	185.80	6.19	195.08	85.05	Run 3 NW Pt 2	
5-Oct-07	18:40:30	7.15	12.10	185.54	6.21	195.86	84.02	Run 3 NW Pt 2	
5-Oct-07	18:41:00	7.45	11.83	188.09	6.97	196.76	86.30	Run 3 NW Pt 2	
5-Oct-07	18:41:30	7.35	11.89	186.46	5.51	194.02	84.50	Run 3 NW Pt 2	
5-Oct-07	18:42:00	7.40	11.89	185.53	4.40	197.45	86.28	Run 3 NW Pt 2	
5-Oct-07	18:42:30	7.31	11.92	185.30	3.99	197.81	85.89	Run 3 NW Pt 1	
5-Oct-07	18:43:00	7.21	12.03	185.51	5.63	199.18	85.85	Run 3 NW Pt 1	
5-Oct-07	18:43:31	7.34	11.94	186.80	8.96	198.72	86.44	Run 3 NW Pt 1	
5-Oct-07	18:44:00	7.43	11.85	185.72	8.22	192.94	84.51	Run 3 NW Pt 1	
5-Oct-07	18:44:31	7.39	11.87	184.31	4.99	186.17	81.32	Run 3 NW Pt 1	
5-Oct-07	18:45:00	7.34	11.89	184.47	4.12	183.61	79.88	Run 3 NW Pt 1	
5-Oct-07	18:45:30	7.18	12.06	185.73	4.55	183.23	78.77	Run 3 NW Pt 1	
5-Oct-07	18:46:00	7.38	11.91	185.77	6.11	184.34	80.44	Run 3 NW Pt 1	
Average:	**18:46:00**	**7.33**	**11.93**	**185.89**	**6.66**	**197.37**	**85.81**	**Run 3 NW**	
Maximum	18:46:00	7.49	12.20	188.35	15.86	213.57	93.06	Run 3 NW	
Minimum	18:46:00	7.05	11.79	183.52	3.99	183.23	78.77	Run 3 NW	
Std Dev	18:46:00	0.10	0.09	1.37	2.86	8.35	3.71	Run 3 NW	
5-Oct-07	18:50:30	7.27	11.96	188.10	4.52	150.99	65.36	Run 3 SW Pt 3	
5-Oct-07	18:51:01	7.20	12.07	186.85	8.58	155.63	67.05	Run 3 SW Pt 3	
5-Oct-07	18:51:30	7.37	11.90	185.53	10.30	159.68	69.63	Run 3 SW Pt 3	
5-Oct-07	18:52:00	7.29	11.93	184.02	6.86	160.51	69.59	Run 3 SW Pt 3	
5-Oct-07	18:52:30	7.13	12.11	186.19	8.73	164.61	70.51	Run 3 SW Pt 3	
5-Oct-07	18:53:00	7.29	12.00	185.29	10.13	169.28	73.38	Run 3 SW Pt 3	
5-Oct-07	18:53:30	7.42	11.85	183.54	7.13	166.00	72.66	Run 3 SW Pt 3	
5-Oct-07	18:54:00	7.23	12.00	185.76	4.53	165.67	71.50	Run 3 SW Pt 3	
5-Oct-07	18:54:30	7.25	12.01	188.08	4.06	171.62	74.19	Run 3 SW Pt 2	
5-Oct-07	18:55:01	7.21	12.01	188.87	3.82	170.38	73.41	Run 3 SW Pt 2	
5-Oct-07	18:55:30	7.25	12.04	186.75	9.37	172.48	74.56	Run 3 SW Pt 2	
5-Oct-07	18:56:00	7.41	11.87	184.15	16.22	171.91	75.17	Run 3 SW Pt 2	
5-Oct-07	18:56:30	7.42	11.84	182.52	11.39	172.01	75.28	Run 3 SW Pt 2	
5-Oct-07	18:57:00	7.37	11.89	184.35	5.95	174.31	76.00	Run 3 SW Pt 2	
5-Oct-07	18:57:30	7.29	11.96	184.53	5.68	177.22	76.85	Run 3 SW Pt 2	
5-Oct-07	18:58:00	7.33	11.93	185.69	6.69	179.13	77.88	Run 3 SW Pt 2	
Average:	**18:58:08**	**7.30**	**11.96**	**185.64**	**7.75**	**167.59**	**72.69**	**Run 3 SW Pt 3-2**	
Maximum	18:58:08	7.42	12.11	188.87	16.22	179.13	77.88	Run 3 SW Pt 3-2	
Minimum	18:58:08	7.13	11.84	182.52	3.82	150.99	65.36	Run 3 SW Pt 3-2	
Std Dev	18:58:08	0.09	0.08	1.78	3.28	7.77	3.52	Run 3 SW Pt 3-2	
5-Oct-07	18:58:50	7.32	11.94	187.59	8.14	181.65	78.91	Run 3 SW Pt 1	
5-Oct-07	18:59:20	7.41	11.85	184.52	10.43	182.49	79.84	Run 3 SW Pt 1	
5-Oct-07	18:59:51	7.37	11.90	184.18	6.85	181.74	79.29	Run 3 SW Pt 1	
5-Oct-07	19:00:20	7.44	11.82	186.12	4.27	182.66	80.05	Run 3 SW Pt 1	
5-Oct-07	19:00:50	7.28	11.95	186.96	3.56	177.33	76.82	Run 3 SW Pt 1	
5-Oct-07	19:01:20	7.31	11.96	185.00	4.30	176.11	76.47	Run 3 SW Pt 1	
5-Oct-07	19:01:50	7.37	11.90	184.89	5.90	172.26	75.10	Run 3 SW Pt 1	
5-Oct-07	19:02:20	7.33	11.91	184.70	8.30	168.91	73.47	Run 3 SW Pt 1	
Average:	**19:02:20**	**7.35**	**11.90**	**185.50**	**6.47**	**177.89**	**77.49**	**Run 3 SW Pt 1**	
Maximum	19:02:20	7.44	11.96	187.59	10.43	182.66	80.05	Run 3 SW Pt 1	
Minimum	19:02:20	7.28	11.82	184.18	3.56	168.91	73.47	Run 3 SW Pt 1	
Std Dev	19:02:20	0.05	0.05	1.25	2.40	5.19	2.41	Run 3 SW Pt 1	
5-Oct-07	19:05:16	0.04	-0.01	3.94	46.52	-0.32	-0.09	Cal:47.3 CO	
5-Oct-07	19:05:26	0.04	-0.02	3.98	46.83	-1.06	-0.30	Cal:47.3 CO	
5-Oct-07	19:05:36	0.04	-0.03	3.98	46.99	-0.80	-0.23	Cal:47.3 CO	
5-Oct-07	19:05:46	0.04	-0.04	3.96	46.99	-0.85	-0.24	Cal:47.3 CO	
Average:	**19:05:53**	**0.04**	**-0.03**	**3.96**	**46.84**	**-0.76**	**-0.21**	**Cal:47.3 CO**	
Gas Value:	19:05:53	0	0	#N/A	47.3	#N/A	#N/A	47.3 CO	
Diff%ofSpan	19:05:53	0.17%	-0.15%	#N/A	-0.49%	#N/A	#N/A		
5-Oct-07	19:09:45	0.02	-0.12	14.94	0.13	214.63	60.65	Cal:219 SO2	
5-Oct-07	19:09:55	0.01	-0.12	14.94	0.13	214.96	60.71	Cal:219 SO2	
5-Oct-07	19:10:05	0.02	-0.12	14.94	0.13	215.06	60.76	Cal:219 SO2	
5-Oct-07	19:10:16	0.02	-0.13	14.94	0.13	214.98	60.75	Cal:219 SO2	
Average:	**19:10:19**	**0.02**	**-0.12**	**14.94**	**0.13**	**214.91**	**60.72**	**Cal:219 SO2**	

Source Testing And Consulting Services, Inc. Lakeland Utilities
Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
Gas Value:	19:10:19	#N/A	#N/A	#N/A	#N/A	219	#N/A	219 SO2	
Diff%ofSpan	19:10:19	#N/A	#N/A	#N/A	#N/A	-0.80%	#N/A		
5-Oct-07	19:12:57	0.02	8.91	245.86	-0.05	0.06	0.02	Cal:244 Nox 9.02 CO2	
5-Oct-07	19:13:06	0.02	8.92	245.87	-0.04	-0.43	-0.12	Cal:244 Nox 9.02 CO2	
5-Oct-07	19:13:16	0.01	8.92	246.31	-0.04	-0.40	-0.11	Cal:244 Nox 9.02 CO2	
5-Oct-07	19:13:26	-0.02	8.92	246.84	-0.05	-0.84	-0.24	Cal:244 Nox 9.02 CO2	
Average:	**19:13:32**	**0.01**	**8.92**	**246.22**	**-0.05**	**-0.40**	**-0.11**	**Cal:244 Nox 9.02 CO2**	
Gas Value:	19:13:32	#N/A	9.02	244	#N/A	#N/A	#N/A	244 Nox 9.02 CO2	
Diff%ofSpan	19:13:32	#N/A	-0.58%	0.44%	#N/A	#N/A	#N/A		
5-Oct-07	19:16:48	12.93	-0.05	3.87	0.13	-1.80	-1.33	Cal:13.0 O2	
5-Oct-07	19:16:58	12.93	-0.06	3.91	0.13	-1.50	-1.11	Cal:13.0 O2	
5-Oct-07	19:17:08	12.93	-0.06	3.91	0.13	-1.96	-1.45	Cal:13.0 O2	
Average:	**19:17:10**	**12.93**	**-0.06**	**3.90**	**0.13**	**-1.75**	**-1.30**	**Cal:13.0 O2**	
Gas Value:	19:17:10	13	0	0	0	0	#N/A	13.0 O2	
Diff%ofSpan	19:17:10	-0.31%	-0.33%	0.77%	0.14%	-0.34%	#N/A		
5-Oct-07	19:24:31	7.15	12.10	185.87	12.93	196.53	84.34	Run 4 SW Pt 3	
5-Oct-07	19:25:00	7.22	12.00	188.15	12.22	188.98	81.48	Run 4 SW Pt 3	
5-Oct-07	19:25:30	7.28	11.96	189.19	7.85	183.66	79.57	Run 4 SW Pt 3	
5-Oct-07	19:26:00	7.24	11.97	190.00	5.57	178.63	77.16	Run 4 SW Pt 3	
5-Oct-07	19:26:30	7.23	11.98	187.42	5.10	173.98	75.09	Run 4 SW Pt 3	
5-Oct-07	19:27:00	7.25	11.97	187.55	5.26	173.42	74.96	Run 4 SW Pt 3	
5-Oct-07	19:27:30	7.28	11.93	186.13	4.45	172.33	74.68	Run 4 SW Pt 3	
5-Oct-07	19:28:00	7.26	11.95	183.08	3.95	172.74	74.73	Run 4 SW Pt 3	
5-Oct-07	19:28:31	7.29	11.92	183.58	3.94	169.51	73.48	Run 4 SW Pt 3	
5-Oct-07	19:29:00	7.28	11.93	184.06	3.59	168.81	73.13	Run 4 SW Pt 2	
5-Oct-07	19:29:31	7.30	11.91	183.00	3.21	169.91	73.72	Run 4 SW Pt 2	
5-Oct-07	19:30:00	7.25	11.95	182.02	3.58	173.02	74.78	Run 4 SW Pt 2	
5-Oct-07	19:30:30	7.17	12.02	181.96	3.69	174.18	74.85	Run 4 SW Pt 2	
5-Oct-07	19:31:00	7.06	12.14	184.89	4.43	178.97	76.28	Run 4 SW Pt 2	
5-Oct-07	19:31:30	7.27	11.95	186.96	6.01	182.18	78.89	Run 4 SW Pt 2	
5-Oct-07	19:32:01	7.30	11.91	183.07	5.18	180.99	78.49	Run 4 SW Pt 2	
5-Oct-07	19:32:30	7.32	11.91	182.97	4.80	184.14	80.02	Run 4 SW Pt 1	
5-Oct-07	19:33:00	7.33	11.87	182.68	4.43	185.43	80.60	Run 4 SW Pt 1	
5-Oct-07	19:33:30	7.22	11.98	181.97	7.32	189.79	81.87	Run 4 SW Pt 1	
5-Oct-07	19:34:00	7.27	11.94	182.62	11.45	192.43	83.30	Run 4 SW Pt 1	
5-Oct-07	19:34:30	7.36	11.85	183.01	10.04	190.69	83.10	Run 4 SW Pt 1	
5-Oct-07	19:35:00	7.33	11.90	182.39	10.16	184.69	80.27	Run 4 SW Pt 1	
5-Oct-07	19:35:30	7.33	11.89	184.00	11.86	178.82	77.73	Run 4 SW Pt 1	
5-Oct-07	19:36:01	7.28	11.93	185.93	7.15	177.81	77.05	Run 4 SW Pt 1	
Average:	**19:36:02**	**7.26**	**11.95**	**184.69**	**6.59**	**180.07**	**77.90**	**Run 4 SW**	
Maximum	19:36:02	7.36	12.14	190.00	12.93	196.53	84.34	Run 4 SW	
Minimum	19:36:02	7.06	11.85	181.96	3.21	168.81	73.13	Run 4 SW	
Std Dev	19:36:02	0.07	0.07	2.45	3.14	7.87	3.41	Run 4 SW	
5-Oct-07	19:44:30	7.21	12.04	186.73	6.89	202.95	87.49	Run 4 NW Pt 3	
5-Oct-07	19:45:00	7.29	11.97	186.15	6.64	206.57	89.53	Run 4 NW Pt 3	
5-Oct-07	19:45:30	7.33	11.94	182.48	6.39	204.50	88.89	Run 4 NW Pt 3	
5-Oct-07	19:46:00	7.36	11.90	181.97	4.92	203.33	88.58	Run 4 NW Pt 3	
5-Oct-07	19:46:30	7.37	11.90	184.33	3.92	207.50	90.49	Run 4 NW Pt 3	
5-Oct-07	19:47:01	7.32	11.93	184.74	5.37	206.95	89.94	Run 4 NW Pt 3	
5-Oct-07	19:47:30	7.12	12.09	184.00	13.82	207.70	88.92	Run 4 NW Pt 3	
5-Oct-07	19:48:00	7.26	12.02	184.03	14.04	206.49	89.32	Run 4 NW Pt 3	
5-Oct-07	19:48:30	7.37	11.91	183.73	9.86	199.51	87.00	Run 4 NW Pt 2	
5-Oct-07	19:49:00	7.39	11.88	183.62	5.82	192.94	84.24	Run 4 NW Pt 2	
5-Oct-07	19:49:30	7.30	11.97	184.06	5.79	190.93	82.86	Run 4 NW Pt 2	
5-Oct-07	19:50:00	7.27	11.96	182.06	8.35	189.40	81.99	Run 4 NW Pt 2	
5-Oct-07	19:50:30	7.28	12.01	181.02	9.11	187.79	81.35	Run 4 NW Pt 2	
5-Oct-07	19:51:02	7.34	11.92	181.96	7.57	181.97	79.17	Run 4 NW Pt 2	
5-Oct-07	19:51:30	7.16	12.04	181.65	6.51	177.79	76.35	Run 4 NW Pt 2	
5-Oct-07	19:52:01	6.99	12.26	183.62	23.04	181.78	77.12	Run 4 NW Pt 2	
5-Oct-07	19:52:30	7.23	12.05	185.96	31.49	181.71	78.42	Run 4 NW Pt 1	
5-Oct-07	19:53:00	7.32	11.95	186.98	14.78	176.98	76.89	Run 4 NW Pt 1	

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
5-Oct-07	19:53:30	7.34	11.93	185.38	6.28	172.35	74.99	Run 4 NW Pt 1	
5-Oct-07	19:54:00	7.34	11.92	182.10	5.41	168.79	73.43	Run 4 NW Pt 1	
5-Oct-07	19:54:31	7.12	12.11	181.72	7.32	171.25	73.35	Run 4 NW Pt 1	
5-Oct-07	19:55:00	7.35	11.94	182.62	14.82	175.62	76.49	Run 4 NW Pt 1	
5-Oct-07	19:55:30	7.40	11.85	180.30	12.12	173.37	75.76	Run 4 NW Pt 1	
5-Oct-07	19:56:00	7.29	11.96	180.66	7.94	176.04	76.31	Run 4 NW Pt 1	
Average:	**19:56:06**	**7.28**	**11.98**	**183.41**	**9.92**	**189.34**	**82.04**	**Run 4 NW**	
Maximum	19:56:06	7.40	12.26	186.98	31.49	207.70	90.49	Run 4 NW	
Minimum	19:56:06	6.99	11.85	180.30	3.92	168.79	73.35	Run 4 NW	
Std Dev	19:56:06	0.10	0.09	1.91	6.38	13.85	6.07	Run 4 NW	
5-Oct-07	20:00:30	7.27	11.96	180.24	6.55	111.24	48.15	Run 4 NE Pt 3	
5-Oct-07	20:01:00	7.36	11.92	180.91	6.16	113.48	49.44	Run 4 NE Pt 3	
5-Oct-07	20:01:30	7.52	11.74	181.16	4.63	112.33	49.53	Run 4 NE Pt 3	
5-Oct-07	20:02:00	7.38	11.83	180.92	3.92	112.48	49.07	Run 4 NE Pt 3	
5-Oct-07	20:02:31	7.35	11.86	180.25	5.74	118.14	51.45	Run 4 NE Pt 3	
5-Oct-07	20:03:00	7.28	11.89	180.30	7.51	123.77	53.61	Run 4 NE Pt 3	
5-Oct-07	20:03:30	7.43	11.80	180.29	8.79	127.79	55.99	Run 4 NE Pt 3	
5-Oct-07	20:04:00	7.38	11.81	179.95	6.29	131.09	57.22	Run 4 NE Pt 3	
5-Oct-07	20:04:30	7.37	11.83	179.97	5.49	137.70	60.04	Run 4 NE Pt 2	
5-Oct-07	20:05:00	7.31	11.92	180.31	6.23	144.58	62.78	Run 4 NE Pt 2	
5-Oct-07	20:05:30	7.44	11.76	182.06	6.39	150.09	65.78	Run 4 NE Pt 2	
5-Oct-07	20:06:00	7.34	11.87	182.32	5.18	156.08	67.92	Run 4 NE Pt 2	
5-Oct-07	20:06:31	7.44	11.79	183.93	5.27	165.15	72.40	Run 4 NE Pt 2	
5-Oct-07	20:07:00	7.48	11.74	181.61	4.71	169.82	74.66	Run 4 NE Pt 2	
5-Oct-07	20:07:30	7.55	11.70	179.67	4.17	175.56	77.58	Run 4 NE Pt 2	
5-Oct-07	20:08:00	7.44	11.77	180.03	3.81	181.31	79.48	Run 4 NE Pt 2	
5-Oct-07	20:08:30	7.44	11.77	179.96	4.03	189.53	83.08	Run 4 NE Pt 1	
5-Oct-07	20:09:00	7.37	11.85	180.66	4.62	195.62	85.31	Run 4 NE Pt 1	
5-Oct-07	20:09:31	7.43	11.80	182.99	4.80	200.28	87.75	Run 4 NE Pt 1	
5-Oct-07	20:10:00	7.49	11.77	182.98	4.11	201.33	88.57	Run 4 NE Pt 1	
5-Oct-07	20:10:30	7.49	11.74	180.98	3.95	198.24	87.24	Run 4 NE Pt 1	
5-Oct-07	20:11:00	7.50	11.73	179.95	3.84	197.88	87.16	Run 4 NE Pt 1	
5-Oct-07	20:11:30	7.41	11.81	179.61	3.93	195.93	85.68	Run 4 NE Pt 1	
Average:	**20:11:32**	**7.41**	**11.81**	**180.91**	**5.22**	**156.93**	**68.69**	**Run 4 NE**	
Maximum	20:11:32	7.55	11.96	183.93	8.79	201.33	88.57	Run 4 NE	
Minimum	20:11:32	7.27	11.70	179.61	3.81	111.24	48.15	Run 4 NE	
Std Dev	20:11:32	0.08	0.07	1.19	1.32	33.79	14.99	Run 4 NE	
5-Oct-07	20:20:30	7.30	11.93	182.95	9.92	167.67	72.75	Run 4 SE Pt 3	
5-Oct-07	20:21:01	7.34	11.90	183.68	10.64	163.64	71.19	Run 4 SE Pt 3	
5-Oct-07	20:21:30	7.32	11.92	183.29	10.03	159.57	69.32	Run 4 SE Pt 3	
5-Oct-07	20:22:00	7.20	12.00	182.96	14.09	156.62	67.44	Run 4 SE Pt 3	
5-Oct-07	20:22:30	7.23	12.04	183.70	24.38	157.75	68.08	Run 4 SE Pt 3	
5-Oct-07	20:23:00	7.35	11.90	183.88	26.40	156.22	68.02	Run 4 SE Pt 3	
5-Oct-07	20:23:30	7.30	11.93	182.26	13.80	155.19	67.31	Run 4 SE Pt 3	
5-Oct-07	20:24:00	7.23	12.04	182.68	8.01	156.46	67.51	Run 4 SE Pt 3	
5-Oct-07	20:24:30	7.18	12.02	184.24	7.37	154.77	66.58	Run 4 SE Pt 2	
5-Oct-07	20:25:01	7.24	12.03	183.62	8.64	155.17	67.01	Run 4 SE Pt 2	
5-Oct-07	20:25:30	7.31	11.95	182.97	6.98	152.74	66.33	Run 4 SE Pt 2	
5-Oct-07	20:26:00	7.47	11.82	183.12	4.80	151.13	66.38	Run 4 SE Pt 2	
5-Oct-07	20:26:30	7.38	11.85	179.53	4.56	149.38	65.21	Run 4 SE Pt 2	
5-Oct-07	20:27:00	7.39	11.86	180.29	4.40	150.81	65.86	Run 4 SE Pt 2	
5-Oct-07	20:27:30	7.36	11.90	180.92	6.95	153.03	66.66	Run 4 SE Pt 2	
5-Oct-07	20:28:00	7.38	11.88	180.61	6.31	157.58	68.75	Run 4 SE Pt 2	
5-Oct-07	20:28:30	7.39	11.87	180.91	4.37	160.94	70.31	Run 4 SE Pt 1	
5-Oct-07	20:29:01	7.52	11.78	179.57	3.65	165.48	72.98	Run 4 SE Pt 1	
5-Oct-07	20:29:30	7.52	11.73	180.66	3.60	167.53	73.85	Run 4 SE Pt 1	
5-Oct-07	20:30:00	7.43	11.82	182.48	5.79	171.26	75.01	Run 4 SE Pt 1	
5-Oct-07	20:30:30	7.39	11.89	184.00	7.44	175.65	76.69	Run 4 SE Pt 1	
5-Oct-07	20:31:00	7.34	11.92	184.25	10.71	180.80	78.68	Run 4 SE Pt 1	
5-Oct-07	20:31:30	7.36	11.91	183.94	13.95	183.67	80.05	Run 4 SE Pt 1	
5-Oct-07	20:32:01	7.32	11.92	183.92	10.56	185.74	80.73	Run 4 SE Pt 1	

Source Testing And Consulting Services, Inc. Lakeland Utilities
Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
Average:	**20:32:02**	**7.34**	**11.91**	**182.52**	**9.47**	**162.03**	**70.53**	**Run 4 SE Pt 1**	
Maximum	20:32:02	7.52	12.04	184.25	26.40	185.74	80.73	Run 4 SE Pt 1	
Minimum	20:32:02	7.18	11.73	179.53	3.60	149.38	65.21	Run 4 SE Pt 1	
Std Dev	20:32:02	0.09	0.08	1.54	5.85	10.61	4.73	Run 4 SE Pt 1	
5-Oct-07	20:35:07	12.94	-0.02	3.88	-0.05	-0.69	-0.51	Cal:13.0 O2	
5-Oct-07	20:35:16	12.94	-0.03	3.88	-0.06	-1.01	-0.75	Cal:13.0 O2	
5-Oct-07	20:35:26	12.94	-0.04	3.91	-0.06	-0.57	-0.42	Cal:13.0 O2	
Average:	**20:35:26**	**12.94**	**-0.03**	**3.89**	**-0.06**	**-0.76**	**-0.56**	**Cal:13.0 O2**	
Gas Value:	20:35:26	13	0	0	0	0	#N/A	13.0 O2	
Diff%ofSpan	20:35:26	-0.28%	-0.16%	0.77%	-0.06%	-0.15%	#N/A		
5-Oct-07	20:38:41	0.08	8.94	245.85	-0.22	-2.41	-0.68	Cal:244 Nox 9.02 CO2	
5-Oct-07	20:38:51	0.07	8.95	246.07	-0.22	-2.20	-0.62	Cal:244 Nox 9.02 CO2	
5-Oct-07	20:39:01	0.06	8.95	246.65	-0.22	-2.14	-0.61	Cal:244 Nox 9.02 CO2	
Average:	**20:39:02**	**0.07**	**8.94**	**246.19**	**-0.22**	**-2.25**	**-0.64**	**Cal:244 Nox 9.02 CO2**	
Gas Value:	20:39:02	#N/A	9.02	244	#N/A	#N/A	#N/A	244 Nox 9.02 CO2	
Diff%ofSpan	20:39:02	#N/A	-0.43%	0.43%	#N/A	#N/A	#N/A		
5-Oct-07	20:42:22	0.03	-0.06	15.90	-0.04	213.95	60.48	Cal:219 SO2	
5-Oct-07	20:42:32	0.04	-0.06	15.89	-0.05	214.04	60.54	Cal:219 SO2	
5-Oct-07	20:42:42	0.03	-0.07	15.90	-0.05	214.44	60.63	Cal:219 SO2	
5-Oct-07	20:42:53	0.02	-0.08	15.89	-0.05	214.75	60.70	Cal:219 SO2	
Average:	**20:42:53**	**0.03**	**-0.07**	**15.89**	**-0.05**	**214.29**	**60.59**	**Cal:219 SO2**	
Gas Value:	20:42:53	#N/A	#N/A	#N/A	#N/A	219	#N/A	219 SO2	
Diff%ofSpan	20:42:53	#N/A	#N/A	#N/A	#N/A	-0.92%	#N/A		
5-Oct-07	20:45:45	0.01	-0.11	2.92	46.58	0.76	0.22	Cal:47.3 CO	
5-Oct-07	20:45:56	0.02	-0.10	2.94	46.58	0.27	0.08	Cal:47.3 CO	
5-Oct-07	20:46:05	0.01	-0.11	2.95	46.57	0.12	0.04	Cal:47.3 CO	
Average:	**20:46:05**	**0.01**	**-0.11**	**2.93**	**46.58**	**0.38**	**0.11**	**Cal:47.3 CO**	
Gas Value:	20:46:05	0	0	#N/A	47.3	#N/A	#N/A	47.3 CO	
Diff%ofSpan	20:46:05	0.06%	-0.60%	#N/A	-0.77%	#N/A	#N/A		
5-Oct-07	20:50:30	7.34	11.88	183.25	5.77	199.71	86.93	Run 5 SE Pt3	
5-Oct-07	20:51:00	7.50	11.78	181.99	4.35	190.46	83.83	Run 5 SE Pt3	
5-Oct-07	20:51:31	7.54	11.71	183.50	4.22	179.65	79.37	Run 5 SE Pt3	
5-Oct-07	20:52:00	7.36	11.89	183.30	8.41	176.48	76.87	Run 5 SE Pt3	
5-Oct-07	20:52:30	7.46	11.80	183.86	15.24	173.51	76.17	Run 5 SE Pt3	
5-Oct-07	20:53:00	7.40	11.86	182.67	9.51	168.88	73.81	Run 5 SE Pt3	
5-Oct-07	20:53:30	7.33	11.89	180.85	5.17	166.98	72.60	Run 5 SE Pt3	
5-Oct-07	20:54:00	7.34	11.94	182.71	7.18	169.14	73.60	Run 5 SE Pt3	
5-Oct-07	20:54:31	7.48	11.77	183.34	6.76	163.57	71.91	Run 5 SE Pt 2	
5-Oct-07	20:55:00	7.37	11.87	181.94	4.69	163.68	71.36	Run 5 SE Pt 2	
5-Oct-07	20:55:30	7.37	11.89	183.61	5.36	167.69	73.12	Run 5 SE Pt 2	
5-Oct-07	20:56:00	7.53	11.77	183.49	5.03	171.07	75.49	Run 5 SE Pt 2	
5-Oct-07	20:56:30	7.49	11.77	182.16	3.79	170.82	75.17	Run 5 SE Pt 2	
5-Oct-07	20:57:00	7.42	11.84	181.54	3.53	173.27	75.82	Run 5 SE Pt 2	
5-Oct-07	20:57:30	7.37	11.87	181.74	4.21	175.78	76.63	Run 5 SE Pt 2	
5-Oct-07	20:58:00	7.38	11.88	183.66	4.63	178.18	77.78	Run 5 SE Pt 2	
5-Oct-07	20:58:31	7.39	11.87	183.62	4.86	177.90	77.70	Run 5 SE Pt 1	
5-Oct-07	20:59:00	7.52	11.76	184.71	4.67	177.22	78.13	Run 5 SE Pt 1	
5-Oct-07	20:59:31	7.44	11.77	184.53	4.38	177.13	77.65	Run 5 SE Pt 1	
5-Oct-07	21:00:00	7.35	11.91	184.80	5.73	180.00	78.35	Run 5 SE Pt 1	
5-Oct-07	21:00:30	7.40	11.85	186.71	5.76	180.08	78.69	Run 5 SE Pt 1	
5-Oct-07	21:01:00	7.22	12.01	186.96	7.48	182.39	78.68	Run 5 SE Pt 1	
5-Oct-07	21:01:30	7.30	11.96	187.73	14.64	187.88	81.51	Run 5 SE Pt 1	
Average:	**21:01:53**	**7.40**	**11.85**	**183.59**	**6.32**	**176.15**	**77.01**	**Run 5 SE**	
Maximum	21:01:53	7.54	12.01	187.73	15.24	199.71	86.93	Run 5 SE	
Minimum	21:01:53	7.22	11.71	180.85	3.53	163.57	71.36	Run 5 SE	
Std Dev	21:01:53	0.08	0.07	1.74	3.10	8.61	3.71	Run 5 SE	
5-Oct-07	21:06:30	7.47	11.80	185.48	11.25	179.47	78.87	Run 5 NE Pt 3	
5-Oct-07	21:07:00	7.47	11.80	185.29	8.62	180.35	79.25	Run 5 NE Pt 3	
5-Oct-07	21:07:30	7.41	11.87	184.83	7.02	183.20	80.15	Run 5 NE Pt 3	
5-Oct-07	21:08:00	7.39	11.89	186.87	5.22	183.74	80.22	Run 5 NE Pt 3	

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
5-Oct-07	21:08:30	7.38	11.88	186.66	5.98	183.25	79.96	Run 5 NE Pt 3	
5-Oct-07	21:09:00	7.19	12.07	185.27	12.54	187.56	80.69	Run 5 NE Pt 3	
5-Oct-07	21:09:32	7.25	12.00	187.32	18.10	192.73	83.33	Run 5 NE Pt 3	
5-Oct-07	21:10:01	7.22	12.05	188.07	30.04	193.13	83.30	Run 5 NE Pt 3	
5-Oct-07	21:10:30	7.36	11.93	187.61	30.10	193.24	84.23	Run 5 NE Pt 2	
5-Oct-07	21:11:00	7.39	11.89	185.09	14.80	190.85	83.32	Run 5 NE Pt 2	
5-Oct-07	21:11:30	7.35	11.89	186.01	8.35	192.11	83.66	Run 5 NE Pt 2	
5-Oct-07	21:12:00	7.11	12.14	187.59	9.57	197.54	84.53	Run 5 NE Pt 2	
5-Oct-07	21:12:30	7.28	12.00	188.47	15.17	203.95	88.34	Run 5 NE Pt 2	
5-Oct-07	21:13:00	7.18	12.08	187.27	12.86	205.83	88.52	Run 5 NE Pt 2	
5-Oct-07	21:13:30	7.32	11.94	189.05	8.90	208.18	90.46	Run 5 NE Pt 2	
5-Oct-07	21:14:01	7.33	11.95	187.14	10.51	207.40	90.16	Run 5 NE Pt 2	
5-Oct-07	21:14:30	7.43	11.87	186.35	11.20	205.16	89.84	Run 5 NE Pt 1	
5-Oct-07	21:15:00	7.54	11.76	185.83	9.21	199.29	88.02	Run 5 NE Pt 1	
5-Oct-07	21:15:30	7.50	11.77	185.19	6.14	193.77	85.29	Run 5 NE Pt 1	
5-Oct-07	21:16:00	7.49	11.79	185.28	7.27	191.54	84.25	Run 5 NE Pt 1	
5-Oct-07	21:16:30	7.33	11.90	185.33	8.58	185.90	80.83	Run 5 NE Pt 1	
5-Oct-07	21:17:01	7.22	12.08	186.94	13.95	186.80	80.58	Run 5 NE Pt 1	
5-Oct-07	21:17:30	7.42	11.88	186.54	16.61	183.15	80.15	Run 5 NE Pt 1	
5-Oct-07	21:18:00	7.42	11.84	184.07	8.30	175.83	76.95	Run 5 NE Pt 1	
Average:	**21:18:00**	**7.35**	**11.92**	**186.40**	**12.10**	**191.83**	**83.54**	**Run 5 NE**	
Maximum	21:18:00	7.54	12.14	189.05	30.10	208.18	90.46	Run 5 NE	
Minimum	21:18:00	7.11	11.76	184.07	5.22	175.83	76.95	Run 5 NE	
Std Dev	21:18:00	0.11	0.11	1.27	6.51	9.41	3.95	Run 5 NE	
5-Oct-07	21:23:31	7.54	11.76	184.57	3.30	169.88	75.05	Run 5 NW Pt 3	
5-Oct-07	21:24:01	7.51	11.76	184.21	3.38	171.57	75.59	Run 5 NW Pt 3	
5-Oct-07	21:24:31	7.45	11.83	183.68	3.60	172.55	75.70	Run 5 NW Pt 3	
5-Oct-07	21:25:01	7.44	11.82	187.24	3.86	172.31	75.55	Run 5 NW Pt 3	
5-Oct-07	21:25:32	7.40	11.86	187.35	9.00	174.67	76.33	Run 5 NW Pt 3	
5-Oct-07	21:26:01	7.38	11.89	186.83	12.10	179.55	78.35	Run 5 NW Pt 3	
5-Oct-07	21:26:32	7.44	11.85	187.01	10.74	180.23	79.01	Run 5 NW Pt 3	
5-Oct-07	21:27:01	7.36	11.88	185.74	9.19	179.62	78.30	Run 5 NW Pt 3	
5-Oct-07	21:27:31	7.35	11.93	187.33	8.59	183.91	80.11	Run 5 NW Pt 2	
5-Oct-07	21:28:01	7.54	11.75	188.65	6.20	184.29	81.40	Run 5 NW Pt 2	
5-Oct-07	21:28:31	7.54	11.75	185.46	5.30	182.37	80.56	Run 5 NW Pt 2	
5-Oct-07	21:29:01	7.56	11.73	183.99	5.06	185.13	81.86	Run 5 NW Pt 2	
5-Oct-07	21:29:32	7.56	11.72	185.22	6.21	188.38	83.30	Run 5 NW Pt 2	
5-Oct-07	21:30:01	7.41	11.83	185.31	6.49	190.50	83.32	Run 5 NW Pt 2	
5-Oct-07	21:30:32	7.23	12.02	187.44	13.13	196.72	84.92	Run 5 NW Pt 2	
5-Oct-07	21:31:01	7.39	11.92	187.87	18.96	199.55	87.17	Run 5 NW Pt 2	
5-Oct-07	21:31:31	7.42	11.86	186.03	13.82	192.93	84.43	Run 5 NW Pt 1	
5-Oct-07	21:32:01	7.51	11.78	185.65	9.72	187.35	82.55	Run 5 NW Pt 1	
5-Oct-07	21:32:31	7.47	11.81	184.86	6.97	181.37	79.68	Run 5 NW Pt 1	
5-Oct-07	21:33:02	7.56	11.74	184.80	5.11	177.44	78.50	Run 5 NW Pt 1	
5-Oct-07	21:33:31	7.40	11.86	183.15	4.25	172.09	75.20	Run 5 NW Pt 1	
5-Oct-07	21:34:01	7.36	11.92	183.77	6.41	175.48	76.45	Run 5 NW Pt 1	
5-Oct-07	21:34:31	7.44	11.86	183.83	5.80	177.74	77.91	Run 5 NW Pt 1	
5-Oct-07	21:35:01	7.57	11.73	184.63	5.23	176.97	78.33	Run 5 NW Pt 1	
Average:	**21:35:01**	**7.45**	**11.83**	**185.61**	**7.60**	**181.36**	**79.56**	**Run 5 NW Pt 1**	
Maximum	21:35:01	7.57	12.02	188.65	18.96	199.55	87.17	Run 5 NW Pt 1	
Minimum	21:35:01	7.23	11.72	183.15	3.30	169.88	75.05	Run 5 NW Pt 1	
Std Dev	21:35:01	0.09	0.08	1.54	3.90	8.10	3.44	Run 5 NW Pt 1	
5-Oct-07	21:39:31	7.43	11.84	184.76	3.36	194.08	85.04	Run 5 SW Pt 3	
5-Oct-07	21:40:00	7.45	11.84	184.62	3.72	196.17	86.03	Run 5 SW Pt 3	
5-Oct-07	21:40:30	7.44	11.85	185.49	4.07	197.78	86.70	Run 5 SW Pt 3	
5-Oct-07	21:41:00	7.42	11.86	187.41	3.81	196.33	85.95	Run 5 SW Pt 3	
5-Oct-07	21:41:30	7.32	11.94	187.34	7.57	189.93	82.51	Run 5 SW Pt 3	
5-Oct-07	21:42:00	7.34	11.95	186.77	16.73	189.25	82.37	Run 5 SW Pt 3	
5-Oct-07	21:42:30	7.44	11.86	187.02	15.85	188.10	82.45	Run 5 SW Pt 3	
5-Oct-07	21:43:00	7.44	11.85	186.57	9.06	181.72	79.64	Run 5 SW Pt 3	
5-Oct-07	21:43:31	7.46	11.82	185.35	6.12	179.40	78.77	Run 5 SW Pt 2	
5-Oct-07	21:44:00	7.35	11.92	185.27	11.25	179.24	78.06	Run 5 SW Pt 2	

Source Testing And Consulting Services, Inc. Lakeland Utilities
Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
5-Oct-07	21:44:31	7.39	11.89	186.42	14.94	180.52	78.82	Run 5 SW Pt 2	
5-Oct-07	21:45:00	7.39	11.88	187.85	10.15	179.29	78.32	Run 5 SW Pt 2	
5-Oct-07	21:45:30	7.22	12.05	187.87	6.60	179.19	77.29	Run 5 SW Pt 2	
5-Oct-07	21:46:00	7.28	11.97	187.91	6.50	178.70	77.44	Run 5 SW Pt 2	
5-Oct-07	21:46:30	7.30	11.99	184.97	7.71	175.14	75.97	Run 5 SW Pt 2	
5-Oct-07	21:47:01	7.34	11.93	184.59	9.18	169.78	73.89	Run 5 SW Pt 2	
5-Oct-07	21:47:30	7.30	11.97	184.24	6.61	166.52	72.26	Run 5 SW Pt 1	
5-Oct-07	21:48:00	7.28	11.99	184.30	5.33	166.59	72.14	Run 5 SW Pt 1	
5-Oct-07	21:48:30	7.37	11.92	184.06	4.47	167.39	72.98	Run 5 SW Pt 1	
5-Oct-07	21:49:00	7.42	11.88	183.61	3.59	166.76	73.01	Run 5 SW Pt 1	
5-Oct-07	21:49:30	7.44	11.85	183.51	3.33	166.42	72.93	Run 5 SW Pt 1	
5-Oct-07	21:50:00	7.48	11.82	183.23	3.81	163.23	71.76	Run 5 SW Pt 1	
5-Oct-07	21:50:30	7.36	11.90	183.35	5.22	164.61	71.73	Run 5 SW Pt 1	
5-Oct-07	21:51:01	7.48	11.82	183.34	13.27	168.67	74.18	Run 5 SW Pt 1	
Average:	**21:51:02**	**7.38**	**11.90**	**185.41**	**7.59**	**178.53**	**77.93**	**Run 5 SW**	
Maximum	21:51:02	7.48	12.05	187.91	16.73	197.78	86.70	Run 5 SW	
Minimum	21:51:02	7.22	11.82	183.23	3.33	163.23	71.73	Run 5 SW	
Std Dev	21:51:02	0.07	0.06	1.61	4.15	11.23	4.99	Run 5 SW	
5-Oct-07	21:54:21	0.04	-0.02	4.04	46.60	0.19	0.05	Cal:47.3 CO	
5-Oct-07	21:54:31	0.04	-0.03	4.04	46.60	0.20	0.06	Cal:47.3 CO	
5-Oct-07	21:54:42	0.05	-0.04	4.11	46.79	-0.42	-0.12	Cal:47.3 CO	
Average:	**21:54:42**	**0.04**	**-0.03**	**4.06**	**46.66**	**-0.01**	**0.00**	**Cal:47.3 CO**	
Gas Value:	21:54:42	0	0	#N/A	47.3	#N/A	#N/A	47.3 CO	
Diff%ofSpan	21:54:42	0.20%	-0.16%	#N/A	-0.68%	#N/A	#N/A		
5-Oct-07	21:57:53	0.03	-0.12	15.05	-0.05	214.53	60.66	Cal:219 SO2	
5-Oct-07	21:58:03	0.02	-0.12	15.08	-0.05	214.81	60.70	Cal:219 SO2	
5-Oct-07	21:58:13	0.02	-0.12	15.08	-0.05	214.91	60.74	Cal:219 SO2	
Average:	**21:58:21**	**0.03**	**-0.12**	**15.07**	**-0.05**	**214.75**	**60.70**	**Cal:219 SO2**	
Gas Value:	21:58:21	#N/A	#N/A	#N/A	#N/A	219	#N/A	219 SO2	
Diff%ofSpan	21:58:21	#N/A	#N/A	#N/A	#N/A	-0.83%	#N/A		
5-Oct-07	22:01:15	0.03	8.92	246.11	-0.20	0.67	0.19	Cal:244 Nox 9.02 CO2	
5-Oct-07	22:01:26	0.03	8.93	246.11	-0.20	0.29	0.08	Cal:244 Nox 9.02 CO2	
5-Oct-07	22:01:35	0.03	8.93	246.13	-0.20	0.14	0.04	Cal:244 Nox 9.02 CO2	
Average:	**22:01:36**	**0.03**	**8.93**	**246.11**	**-0.20**	**0.36**	**0.10**	**Cal:244 Nox 9.02 CO2**	
Gas Value:	22:01:36	#N/A	9.02	244	#N/A	#N/A	#N/A	244 Nox 9.02 CO2	
Diff%ofSpan	22:01:36	#N/A	-0.53%	0.42%	#N/A	#N/A	#N/A		
5-Oct-07	22:04:52	12.95	-0.06	4.05	-0.05	-1.39	-1.03	Cal:13.0 O2	
5-Oct-07	22:05:02	12.95	-0.06	4.07	-0.05	-1.28	-0.95	Cal:13.0 O2	
5-Oct-07	22:05:12	12.95	-0.07	4.02	-0.05	-1.30	-0.96	Cal:13.0 O2	
Average:	**22:05:12**	**12.95**	**-0.06**	**4.05**	**-0.05**	**-1.32**	**-0.98**	**Cal:13.0 O2**	
Gas Value:	22:05:12	13	0	0	0	0	#N/A	13.0 O2	
Diff%ofSpan	22:05:12	-0.22%	-0.36%	0.80%	-0.05%	-0.26%	#N/A		
5-Oct-07	22:10:30	7.40	11.90	185.55	21.86	188.34	82.29	Run 6 SW Pt 3	
5-Oct-07	22:11:00	7.40	11.89	186.55	29.34	188.31	82.31	Run 6 SW Pt 3	
5-Oct-07	22:11:30	7.41	11.86	186.55	27.10	188.13	82.28	Run 6 SW Pt 3	
5-Oct-07	22:12:00	7.43	11.85	186.10	23.45	189.11	82.83	Run 6 SW Pt 3	
5-Oct-07	22:12:30	7.39	11.88	185.79	22.12	190.82	83.32	Run 6 SW Pt 3	
5-Oct-07	22:13:00	7.29	11.97	186.28	26.40	189.51	82.16	Run 6 SW Pt 3	
5-Oct-07	22:13:31	7.46	11.82	187.22	33.27	182.29	80.02	Run 6 SW Pt 3	
5-Oct-07	22:14:00	7.45	11.81	184.77	28.90	174.80	76.68	Run 6 SW Pt 3	
5-Oct-07	22:14:30	7.44	11.85	184.11	32.72	171.15	75.01	Run 6 SW Pt 2	
5-Oct-07	22:15:00	7.43	11.84	185.83	27.27	167.16	73.23	Run 6 SW Pt 2	
5-Oct-07	22:15:30	7.39	11.88	186.13	13.92	168.27	73.50	Run 6 SW Pt 2	
5-Oct-07	22:16:00	7.40	11.87	186.10	13.66	166.52	72.76	Run 6 SW Pt 2	
5-Oct-07	22:16:30	7.41	11.88	185.24	20.40	166.73	72.92	Run 6 SW Pt 2	
5-Oct-07	22:17:00	7.35	11.89	185.30	18.14	166.39	72.46	Run 6 SW Pt 2	
5-Oct-07	22:17:31	7.36	11.94	186.67	13.81	169.75	73.97	Run 6 SW Pt 2	
5-Oct-07	22:18:00	7.43	11.85	185.42	10.53	170.10	74.53	Run 6 SW Pt 2	
5-Oct-07	22:18:30	7.52	11.77	182.99	7.50	170.97	75.36	Run 6 SW Pt 1	
5-Oct-07	22:19:00	7.48	11.81	181.53	5.51	173.02	76.07	Run 6 SW Pt 1	
5-Oct-07	22:19:30	7.49	11.81	181.91	4.04	176.74	77.76	Run 6 SW Pt 1	

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
5-Oct-07	22:20:00	7.52	11.78	182.95	3.95	177.96	78.46	Run 6 SW Pt 1	
5-Oct-07	22:20:30	7.46	11.81	182.58	4.92	180.75	79.34	Run 6 SW Pt 1	
5-Oct-07	22:21:00	7.48	11.80	182.46	5.82	184.01	80.91	Run 6 SW Pt 1	
5-Oct-07	22:21:31	7.45	11.84	181.31	4.51	185.43	81.36	Run 6 SW Pt 1	
Average:	**22:21:45**	**7.43**	**11.85**	**184.75**	**17.35**	**177.66**	**77.81**	**Run 6 SW**	
Maximum	22:21:45	7.52	11.97	187.22	33.27	190.82	83.32	Run 6 SW	
Minimum	22:21:45	7.29	11.77	181.31	3.95	166.39	72.46	Run 6 SW	
Std Dev	22:21:45	0.05	0.05	1.85	10.14	8.84	3.85	Run 6 SW	
5-Oct-07	22:26:30	7.32	11.92	180.02	3.29	188.38	81.85	Run 6 NW Pt 3	
5-Oct-07	22:27:00	7.27	12.00	182.15	10.41	192.13	83.15	Run 6 NW Pt 3	
5-Oct-07	22:27:30	7.41	11.86	184.15	14.22	189.94	83.09	Run 6 NW Pt 3	
5-Oct-07	22:28:00	7.40	11.86	182.99	7.41	181.31	79.24	Run 6 NW Pt 3	
5-Oct-07	22:28:31	7.30	11.95	182.65	4.48	176.47	76.58	Run 6 NW Pt 3	
5-Oct-07	22:29:00	7.36	11.94	183.51	5.99	175.14	76.31	Run 6 NW Pt 3	
5-Oct-07	22:29:31	7.41	11.85	183.43	8.33	170.98	74.79	Run 6 NW Pt 3	
5-Oct-07	22:30:00	7.44	11.84	184.31	9.82	169.50	74.27	Run 6 NW Pt 3	
5-Oct-07	22:30:30	7.46	11.81	184.85	8.15	167.71	73.65	Run 6 NW Pt 2	
5-Oct-07	22:31:00	7.46	11.80	184.85	6.48	164.68	72.32	Run 6 NW Pt 2	
5-Oct-07	22:31:30	7.31	11.95	185.72	10.55	164.94	71.61	Run 6 NW Pt 2	
5-Oct-07	22:32:01	7.38	11.89	186.16	19.81	167.87	73.26	Run 6 NW Pt 2	
5-Oct-07	22:32:30	7.47	11.81	186.10	24.18	168.33	73.98	Run 6 NW Pt 2	
5-Oct-07	22:33:00	7.49	11.79	186.65	15.70	167.75	73.81	Run 6 NW Pt 2	
5-Oct-07	22:33:30	7.49	11.80	185.30	8.16	167.57	73.71	Run 6 NW Pt 2	
5-Oct-07	22:34:00	7.48	11.78	185.39	5.76	168.79	74.23	Run 6 NW Pt 2	
5-Oct-07	22:34:30	7.38	11.87	185.87	4.75	171.88	74.99	Run 6 NW Pt 1	
5-Oct-07	22:35:00	7.44	11.87	185.64	5.54	176.82	77.49	Run 6 NW Pt 1	
5-Oct-07	22:35:30	7.45	11.81	183.97	5.34	178.82	78.47	Run 6 NW Pt 1	
5-Oct-07	22:36:01	7.45	11.83	182.97	3.99	180.42	79.15	Run 6 NW Pt 1	
5-Oct-07	22:36:30	7.49	11.79	182.29	3.34	183.31	80.62	Run 6 NW Pt 1	
5-Oct-07	22:37:00	7.52	11.76	181.86	2.94	184.55	81.39	Run 6 NW Pt 1	
5-Oct-07	22:37:30	7.49	11.78	181.84	2.81	184.86	81.31	Run 6 NW Pt 1	
5-Oct-07	22:38:00	7.28	11.96	181.52	2.95	187.66	81.28	Run 6 NW Pt 1	
Average:	**22:38:00**	**7.41**	**11.86**	**183.92**	**8.10**	**176.24**	**77.11**	**Run 6 NW**	
Maximum	22:38:00	7.52	12.00	186.65	24.18	192.13	83.15	Run 6 NW	
Minimum	22:38:00	7.27	11.76	180.02	2.81	164.68	71.61	Run 6 NW	
Std Dev	22:38:00	0.07	0.07	1.77	5.52	8.66	3.67	Run 6 NW	
5-Oct-07	22:45:30	7.39	11.89	182.61	2.80	186.83	81.58	Run 6 NE Pt 3	
5-Oct-07	22:46:00	7.58	11.71	183.08	2.67	188.29	83.38	Run 6 NE Pt 3	
5-Oct-07	22:46:30	7.41	11.81	181.36	2.62	188.00	82.23	Run 6 NE Pt 3	
5-Oct-07	22:47:01	7.42	11.85	182.32	2.94	193.26	84.57	Run 6 NE Pt 3	
5-Oct-07	22:47:30	7.35	11.90	182.26	2.87	192.02	83.62	Run 6 NE Pt 3	
5-Oct-07	22:48:00	7.44	11.81	182.76	2.74	191.40	83.91	Run 6 NE Pt 3	
5-Oct-07	22:48:30	7.44	11.83	182.85	2.75	192.39	84.33	Run 6 NE Pt 3	
5-Oct-07	22:49:00	7.44	11.82	182.60	2.76	191.87	84.12	Run 6 NE Pt 3	
5-Oct-07	22:49:30	7.51	11.76	181.64	2.76	189.46	83.48	Run 6 NE Pt 2	
5-Oct-07	22:50:00	7.44	11.79	180.85	2.77	186.01	81.53	Run 6 NE Pt 2	
5-Oct-07	22:50:30	7.39	11.88	181.06	3.66	185.08	80.83	Run 6 NE Pt 2	
5-Oct-07	22:51:01	7.48	11.79	181.54	3.91	180.60	79.43	Run 6 NE Pt 2	
5-Oct-07	22:51:30	7.37	11.88	180.81	3.04	175.30	76.44	Run 6 NE Pt 2	
5-Oct-07	22:52:01	7.45	11.82	181.97	2.74	173.15	75.94	Run 6 NE Pt 2	
5-Oct-07	22:52:30	7.39	11.86	181.96	2.74	168.86	73.77	Run 6 NE Pt 2	
5-Oct-07	22:53:00	7.49	11.77	182.33	2.67	165.28	72.73	Run 6 NE Pt 2	
5-Oct-07	22:53:30	7.44	11.81	182.18	2.54	164.23	72.01	Run 6 NE Pt 1	
5-Oct-07	22:54:00	7.44	11.84	182.88	2.54	166.28	72.87	Run 6 NE Pt 1	
5-Oct-07	22:54:31	7.53	11.73	183.52	2.62	167.38	73.88	Run 6 NE Pt 1	
5-Oct-07	22:55:00	7.48	11.78	182.88	3.18	168.90	74.23	Run 6 NE Pt 1	
5-Oct-07	22:55:30	7.58	11.70	183.77	7.26	170.69	75.62	Run 6 NE Pt 1	
5-Oct-07	22:56:00	7.61	11.66	184.10	7.72	167.47	74.32	Run 6 NE Pt 1	
5-Oct-07	22:56:30	7.38	11.85	184.90	6.17	166.63	72.72	Run 6 NE Pt 1	
5-Oct-07	22:57:00	7.40	11.85	185.12	11.48	171.81	75.10	Run 6 NE Pt 1	
Average:	**22:57:01**	**7.45**	**11.81**	**182.56**	**3.75**	**178.80**	**78.44**	**Run 6 NE**	

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments	Comment2
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00		
Maximum	22:57:01	7.61	11.90	185.12	11.48	193.26	84.57	Run 6 NE	
Minimum	22:57:01	7.35	11.66	180.81	2.54	164.23	72.01	Run 6 NE	
Std Dev	22:57:01	0.07	0.06	1.14	2.20	10.75	4.64	Run 6 NE	
5-Oct-07	23:02:31	7.25	11.98	188.04	30.27	198.61	85.82	Run 6 SE Pt 3	
5-Oct-07	23:03:00	7.39	11.89	187.12	24.86	198.90	86.87	Run 6 SE Pt 3	
5-Oct-07	23:03:30	7.40	11.87	187.03	21.25	191.52	83.69	Run 6 SE Pt 3	
5-Oct-07	23:04:00	7.46	11.80	187.70	11.51	183.79	80.66	Run 6 SE Pt 3	
5-Oct-07	23:04:30	7.31	11.91	186.19	13.37	179.13	77.77	Run 6 SE Pt 3	
5-Oct-07	23:05:00	7.21	12.00	185.90	11.77	179.33	77.27	Run 6 SE Pt 3	
5-Oct-07	23:05:30	7.16	12.11	185.05	6.83	184.15	79.11	Run 6 SE Pt 3	
5-Oct-07	23:06:00	7.36	11.90	184.96	5.69	179.88	78.37	Run 6 SE Pt 3	
5-Oct-07	23:06:31	7.45	11.80	182.57	4.47	175.93	77.20	Run 6 SE Pt 2	
5-Oct-07	23:07:00	7.42	11.82	181.17	3.72	174.07	76.17	Run 6 SE Pt 2	
5-Oct-07	23:07:30	7.34	11.90	182.91	3.56	173.98	75.72	Run 6 SE Pt 2	
5-Oct-07	23:08:00	7.37	11.87	184.09	3.73	174.48	76.07	Run 6 SE Pt 2	
5-Oct-07	23:08:30	7.09	12.09	183.52	4.27	175.66	75.07	Run 6 SE Pt 2	
5-Oct-07	23:09:00	7.30	11.97	185.37	10.53	181.17	78.59	Run 6 SE Pt 2	
5-Oct-07	23:09:31	7.47	11.79	183.90	9.52	175.87	77.27	Run 6 SE Pt 2	
5-Oct-07	23:10:00	7.50	11.76	182.38	4.61	173.15	76.24	Run 6 SE Pt 2	
5-Oct-07	23:10:30	7.43	11.79	183.08	3.21	173.98	76.21	Run 6 SE Pt 1	
5-Oct-07	23:11:00	7.37	11.87	183.09	3.00	177.45	77.39	Run 6 SE Pt 1	
5-Oct-07	23:11:30	7.32	11.90	183.13	2.91	180.19	78.27	Run 6 SE Pt 1	
5-Oct-07	23:12:00	7.36	11.91	183.14	3.24	183.36	79.91	Run 6 SE Pt 1	
5-Oct-07	23:12:30	7.46	11.79	182.28	3.23	181.41	79.63	Run 6 SE Pt 1	
5-Oct-07	23:13:00	7.30	11.90	180.49	3.31	178.74	77.55	Run 6 SE Pt 1	
5-Oct-07	23:13:31	7.43	11.85	181.91	4.59	181.37	79.44	Run 6 SE Pt 1	
5-Oct-07	23:14:00	7.36	11.82	182.10	4.24	179.18	78.09	Run 6 SE Pt 1	
Average:	**23:14:00**	**7.35**	**11.89**	**184.05**	**8.24**	**180.64**	**78.68**	**Run 6 SE**	
Maximum	23:14:00	7.50	12.11	188.04	30.27	198.90	86.87	Run 6 SE	
Minimum	23:14:00	7.09	11.76	180.49	2.91	173.15	75.07	Run 6 SE	
Std Dev	23:14:00	0.10	0.09	2.10	7.48	6.99	3.01	Run 6 SE	
5-Oct-07	23:17:41	12.97	-0.02	4.11	-0.09	-0.45	-0.33	Cal:13.0 O2	
5-Oct-07	23:17:51	12.97	-0.03	4.11	-0.09	-0.53	-0.39	Cal:13.0 O2	
5-Oct-07	23:18:02	12.97	-0.04	4.10	-0.09	-0.98	-0.73	Cal:13.0 O2	
5-Oct-07	23:18:11	12.97	-0.05	4.13	-0.09	-1.15	-0.85	Cal:13.0 O2	
Average:	**23:18:15**	**12.97**	**-0.04**	**4.11**	**-0.09**	**-0.78**	**-0.58**	**Cal:13.0 O2**	
Gas Value:	23:18:15	13	0	0	0	0	#N/A	13.0 O2	
Diff%ofSpan	23:18:15	-0.13%	-0.22%	0.82%	-0.09%	-0.15%	#N/A		
5-Oct-07	23:21:18	0.09	8.90	241.81	-0.25	-1.83	-0.52	Cal:244 Nox 9.02 CO2	
5-Oct-07	23:21:28	0.07	8.90	242.10	-0.25	-1.57	-0.44	Cal:244 Nox 9.02 CO2	
5-Oct-07	23:21:39	0.07	8.90	242.09	-0.25	-1.50	-0.43	Cal:244 Nox 9.02 CO2	
Average:	**23:21:39**	**0.08**	**8.90**	**242.00**	**-0.25**	**-1.63**	**-0.46**	**Cal:244 Nox 9.02 CO2**	
Gas Value:	23:21:39	#N/A	9.02	244	#N/A	#N/A	#N/A	244 Nox 9.02 CO2	
Diff%ofSpan	23:21:39	#N/A	-0.70%	-0.40%	#N/A	#N/A	#N/A		
5-Oct-07	23:25:24	0.04	-0.08	15.01	-0.07	214.66	60.71	Cal:219 SO2	
5-Oct-07	23:25:34	0.04	-0.09	15.00	-0.08	214.41	60.64	Cal:219 SO2	
5-Oct-07	23:25:44	0.04	-0.09	15.01	-0.09	214.77	60.76	Cal:219 SO2	
Average:	**23:25:45**	**0.04**	**-0.09**	**15.01**	**-0.08**	**214.61**	**60.70**	**Cal:219 SO2**	
Gas Value:	23:25:45	#N/A	#N/A	#N/A	#N/A	219	#N/A	219 SO2	
Diff%ofSpan	23:25:45	#N/A	#N/A	#N/A	#N/A	-0.86%	#N/A		
5-Oct-07	23:28:33	0.03	-0.11	3.03	46.28	1.15	0.32	Cal:47.3 CO	
5-Oct-07	23:28:43	0.03	-0.12	3.04	46.46	0.40	0.11	Cal:47.3 CO	
5-Oct-07	23:28:54	0.04	-0.12	3.05	46.54	0.07	0.02	Cal:47.3 CO	
Average:	**23:28:55**	**0.03**	**-0.12**	**3.04**	**46.43**	**0.54**	**0.15**	**Cal:47.3 CO**	
Gas Value:	23:28:55	0	0	#N/A	47.3	#N/A	#N/A	47.3 CO	
Diff%ofSpan	23:28:55	0.15%	-0.66%	#N/A	-0.93%	#N/A	#N/A		

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00	
6-Oct-07	7:13:36	22.00	17.93	2.92	-0.55	-1.44	7.74	Cal:22.4 O2 17.68 CO2
6-Oct-07	7:13:47	22.00	17.92	2.88	-0.55	-1.78	9.52	Cal:22.4 O2 17.68 CO2
6-Oct-07	7:13:56	22.00	17.91	2.92	-0.55	-1.78	9.53	Cal:22.4 O2 17.68 CO2
Average:	**7:13:58**	**22.00**	**17.92**	**2.91**	**-0.55**	**-1.67**	**8.93**	**Cal:22.4 O2 17.68 CO2**
Gas Value:	7:13:58	22.4	17.68	#N/A	#N/A	#N/A	#N/A	22.4 O2 17.68 CO2
Diff%ofSpan	7:13:58	-1.78%	1.34%	#N/A	#N/A	#N/A	#N/A	
6-Oct-07	7:16:57	12.82	-0.19	2.93	-0.04	0.55	0.40	Cal:13.0 O2
6-Oct-07	7:17:07	12.83	-0.19	2.90	-0.05	0.32	0.23	Cal:13.0 O2
6-Oct-07	7:17:17	12.83	-0.19	2.90	-0.05	0.71	0.52	Cal:13.0 O2
Average:	**7:17:18**	**12.83**	**-0.19**	**2.91**	**-0.05**	**0.52**	**0.38**	**Cal:13.0 O2**
Gas Value:	7:17:18	13	0	0	0	0	#N/A	13.0 O2
Diff%ofSpan	7:17:18	-0.77%	-1.05%	0.58%	-0.05%	0.10%	#N/A	
6-Oct-07	7:17:58	12.97	-0.19	2.88	-0.05	-0.28	-0.21	Cal:13.0 O2
6-Oct-07	7:18:08	12.97	-0.19	2.88	-0.05	-0.05	-0.04	Cal:13.0 O2
6-Oct-07	7:18:18	12.97	-0.19	2.87	-0.05	0.20	0.15	Cal:13.0 O2
Average:	**7:18:20**	**12.97**	**-0.19**	**2.88**	**-0.05**	**-0.04**	**-0.03**	**Cal:13.0 O2**
Gas Value:	7:18:20							
Diff%ofSpan	7:18:20	57.91%	-1.07%	0.57%	-0.05%	-0.01%	#DIV/0!	
6-Oct-07	7:21:54	0.10	9.10	507.78	-0.21	0.48	0.14	Cal:504 NOx
6-Oct-07	7:22:04	0.10	9.10	507.76	-0.22	0.60	0.17	Cal:504 NOx
6-Oct-07	7:22:14	0.10	9.10	507.70	-0.22	0.37	0.11	Cal:504 NOx
Average:	**7:22:21**	**0.10**	**9.10**	**507.75**	**-0.22**	**0.48**	**0.14**	**Cal:504 NOx**
Gas Value:	7:22:21	#N/A	#N/A	504	#N/A	#N/A	#N/A	504 NOx
Diff%ofSpan	7:22:21	#N/A	#N/A	0.74%	#N/A	#N/A	#N/A	
6-Oct-07	7:24:38	0.05	8.94	250.04	-0.21	0.27	0.08	Cal:244 Nox 9.02 CO2
6-Oct-07	7:24:48	0.06	8.94	250.04	-0.22	0.33	0.09	Cal:244 Nox 9.02 CO2
6-Oct-07	7:24:58	0.05	8.95	250.00	-0.22	-0.03	-0.01	Cal:244 Nox 9.02 CO2
6-Oct-07	7:25:08	0.05	8.94	249.95	-0.22	0.15	0.04	Cal:244 Nox 9.02 CO2
Average:	**7:25:11**	**0.05**	**8.94**	**250.01**	**-0.22**	**0.18**	**0.05**	**Cal:244 Nox 9.02 CO2**
Gas Value:	7:25:11	#N/A	9.02	244	#N/A	#N/A	#N/A	244 Nox 9.02 CO2
Diff%ofSpan	7:25:11	#N/A	-0.43%	1.19%	#N/A	#N/A	#N/A	
6-Oct-07	7:27:52	0.04	-0.18	8.03	-0.04	512.92	145.09	Cal:512 SO2
6-Oct-07	7:28:02	0.04	-0.18	7.84	-0.05	513.03	145.12	Cal:512 SO2
6-Oct-07	7:28:12	0.04	-0.18	7.77	-0.05	513.48	145.26	Cal:512 SO2
Average:	**7:28:14**	**0.04**	**-0.18**	**7.88**	**-0.05**	**513.14**	**145.16**	**Cal:512 SO2**
Gas Value:	7:28:14	#N/A	#N/A	#N/A	#N/A	512	#N/A	512 SO2
Diff%ofSpan	7:28:14	#N/A	#N/A	#N/A	#N/A	0.22%	#N/A	
6-Oct-07	7:30:18	0.05	-0.19	15.04	-0.04	218.22	61.74	Cal:219 SO2
6-Oct-07	7:30:27	0.05	-0.19	15.01	-0.05	217.98	61.67	Cal:219 SO2
6-Oct-07	7:30:36	0.04	-0.19	15.04	-0.05	218.15	61.69	Cal:219 SO2
Average:	**7:30:37**	**0.04**	**-0.19**	**15.03**	**-0.04**	**218.12**	**61.70**	**Cal:219 SO2**
Gas Value:	7:30:37	#N/A	#N/A	#N/A	#N/A	219	#N/A	219 SO2
Diff%ofSpan	7:30:37	#N/A	#N/A	#N/A	#N/A	-0.17%	#N/A	
6-Oct-07	7:33:04	0.03	-0.19	100.09	93.85	0.40	0.11	Cal:94.3 CO
6-Oct-07	7:33:14	0.04	-0.19	100.06	93.48	0.92	0.26	Cal:94.3 CO
6-Oct-07	7:33:24	0.03	-0.19	100.07	93.62	0.76	0.22	Cal:94.3 CO
Average:	**7:33:25**	**0.03**	**-0.19**	**100.07**	**93.65**	**0.70**	**0.20**	**Cal:94.3 CO**
Gas Value:	7:33:25	#N/A	#N/A	#N/A	94.3	#N/A	#N/A	94.3 CO
Diff%ofSpan	7:33:25	#N/A	#N/A	#N/A	-0.69%	#N/A	#N/A	
6-Oct-07	7:35:43	0.03	-0.19	3.06	47.00	-0.04	-0.01	Cal:47.3 CO
6-Oct-07	7:35:53	0.02	-0.20	3.04	46.99	0.47	0.13	Cal:47.3 CO
6-Oct-07	7:36:03	0.03	-0.20	3.04	46.99	0.14	0.04	Cal:47.3 CO
6-Oct-07	7:36:13	0.03	-0.19	3.06	47.15	0.19	0.05	Cal:47.3 CO
Average:	**7:36:13**	**0.03**	**-0.20**	**3.05**	**47.03**	**0.19**	**0.05**	**Cal:47.3 CO**
Gas Value:	7:36:13	0	0	#N/A	47.3	#N/A	#N/A	47.3 CO

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00	
Diff%ofSpan	7:36:13	0.11%	-1.10%	#N/A	-0.28%	#N/A	#N/A	
6-Oct-07	8:09:55	0.12	-0.17	2.97	47.21	0.37	0.11	Cal:47.3 CO
6-Oct-07	8:10:05	0.12	-0.17	2.97	47.35	-0.13	-0.04	Cal:47.3 CO
6-Oct-07	8:10:15	0.11	-0.17	2.98	47.36	0.38	0.11	Cal:47.3 CO
Average:	**8:10:15**	**0.11**	**-0.17**	**2.97**	**47.31**	**0.21**	**0.06**	**Cal:47.3 CO**
Gas Value:	8:10:15	0	0	#N/A	47.3	#N/A	#N/A	47.3 CO
Diff%ofSpan	8:10:15	0.51%	-0.98%	#N/A	0.01%	#N/A	#N/A	
6-Oct-07	8:15:19	0.06	-0.18	14.94	0.13	212.44	60.15	Cal:219 SO2
6-Oct-07	8:15:30	0.06	-0.18	14.95	0.13	212.43	60.15	Cal:219 SO2
6-Oct-07	8:15:39	0.06	-0.18	14.93	0.13	212.18	60.07	Cal:219 SO2
Average:	**8:15:40**	**0.06**	**-0.18**	**14.94**	**0.13**	**212.35**	**60.12**	**Cal:219 SO2**
Gas Value:	8:15:40	#N/A	#N/A	#N/A	#N/A	219	#N/A	219 SO2
Diff%ofSpan	8:15:40	#N/A	#N/A	#N/A	#N/A	-1.30%	#N/A	
6-Oct-07	8:18:41	0.06	8.81	250.92	-0.17	2.68	0.76	Cal:244 Nox 9.02 CO2
6-Oct-07	8:18:52	0.04	8.81	250.91	-0.06	2.55	0.72	Cal:244 Nox 9.02 CO2
6-Oct-07	8:19:01	0.05	8.82	250.90	-0.05	2.18	0.62	Cal:244 Nox 9.02 CO2
Average:	**8:19:02**	**0.05**	**8.81**	**250.91**	**-0.09**	**2.47**	**0.70**	**Cal:244 Nox 9.02 CO2**
Gas Value:	8:19:02	#N/A	9.02	244	#N/A	#N/A	#N/A	244 Nox 9.02 CO2
Diff%ofSpan	8:19:02	#N/A	-1.18%	1.37%	#N/A	#N/A	#N/A	
6-Oct-07	8:22:53	13.04	-0.08	3.94	0.13	0.88	0.66	Cal:
6-Oct-07	8:23:04	13.05	-0.09	3.94	0.13	0.75	0.56	Cal:
6-Oct-07	8:23:13	13.06	-0.09	3.92	0.13	0.61	0.46	Cal:
6-Oct-07	8:23:23	13.06	-0.10	3.92	0.13	0.60	0.45	Cal:
Average:	**8:23:23**	**13.05**	**-0.09**	**3.93**	**0.13**	**0.71**	**0.53**	**Cal:**
Gas Value:	8:23:23							
Diff%ofSpan	8:23:23	58.27%	-0.51%	0.78%	0.14%	0.14%	#DIV/0!	
6-Oct-07	9:09:30	7.35	11.95	188.57	3.58	161.68	70.40	Run 7 SE Pt 3
6-Oct-07	9:10:00	7.46	11.86	190.11	3.70	157.89	69.30	Run 7 SE Pt 3
6-Oct-07	9:10:31	7.41	11.86	189.36	3.58	154.95	67.79	Run 7 SE Pt 3
6-Oct-07	9:11:03	7.35	11.94	188.90	3.58	153.37	66.76	Run 7 SE Pt 3
6-Oct-07	9:11:30	7.24	11.99	188.43	3.84	153.69	66.36	Run 7 SE Pt 3
6-Oct-07	9:12:00	7.39	11.91	189.09	4.30	152.27	66.51	Run 7 SE Pt 3
6-Oct-07	9:12:30	7.47	11.79	189.37	3.94	149.83	65.81	Run 7 SE Pt 3
6-Oct-07	9:13:00	7.32	11.95	187.89	4.75	151.17	65.70	Run 7 SE Pt 3
6-Oct-07	9:13:30	7.46	11.81	188.24	7.37	151.09	66.31	Run 7 SE Pt 2
6-Oct-07	9:14:00	7.47	11.80	188.34	5.42	153.59	67.50	Run 7 SE Pt 2
6-Oct-07	9:14:30	7.35	11.91	188.90	3.88	153.70	66.93	Run 7 SE Pt 2
6-Oct-07	9:15:00	7.39	11.87	188.80	3.66	152.91	66.76	Run 7 SE Pt 2
6-Oct-07	9:15:30	7.49	11.79	187.90	3.85	155.23	68.27	Run 7 SE Pt 2
6-Oct-07	9:16:00	7.54	11.73	187.14	3.57	154.51	68.23	Run 7 SE Pt 2
6-Oct-07	9:16:30	7.21	12.00	187.02	3.44	158.32	68.21	Run 7 SE Pt 2
6-Oct-07	9:17:00	7.31	11.96	189.20	4.51	164.95	71.62	Run 7 SE Pt 2
6-Oct-07	9:17:30	7.49	11.78	188.61	4.11	164.37	72.30	Run 7 SE Pt 1
6-Oct-07	9:18:00	7.43	11.83	187.82	3.31	162.69	71.26	Run 7 SE Pt 1
6-Oct-07	9:18:30	7.48	11.78	186.90	3.17	163.94	72.08	Run 7 SE Pt 1
6-Oct-07	9:19:00	7.43	11.81	186.11	3.17	166.50	72.92	Run 7 SE Pt 1
6-Oct-07	9:19:30	7.45	11.83	187.11	3.17	167.63	73.52	Run 7 SE Pt 1
6-Oct-07	9:20:00	7.40	11.84	188.43	3.51	167.69	73.26	Run 7 SE Pt 1
6-Oct-07	9:20:30	7.48	11.79	190.32	4.98	171.06	75.23	Run 7 SE Pt 1
6-Oct-07	9:21:00	7.54	11.73	190.87	4.38	170.24	75.16	Run 7 SE Pt 1
Average:	**9:21:15**	**7.41**	**11.85**	**188.48**	**4.03**	**158.89**	**69.51**	**Run 7 SE**
Maximum	9:21:15	7.54	12.00	190.87	7.37	171.06	75.23	Run 7 SE
Minimum	9:21:15	7.21	11.73	186.11	3.17	149.83	65.70	Run 7 SE
Std Dev	9:21:15	0.09	0.08	1.14	0.92	6.75	3.09	Run 7 SE
6-Oct-07	9:26:30	7.41	11.84	190.27	3.92	174.13	76.18	Run 7 NE Pt 3
6-Oct-07	9:27:00	7.36	11.87	190.92	3.78	174.23	75.91	Run 7 NE Pt 3
6-Oct-07	9:27:31	7.40	11.87	190.93	3.45	177.68	77.63	Run 7 NE Pt 3

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00	
6-Oct-07	9:28:00	7.56	11.71	190.30	3.72	174.42	77.15	Run 7 NE Pt 3
6-Oct-07	9:28:30	7.30	11.90	188.10	4.11	172.65	74.89	Run 7 NE Pt 3
6-Oct-07	9:29:00	7.20	12.05	189.17	6.32	175.59	75.63	Run 7 NE Pt 3
6-Oct-07	9:29:31	7.25	11.97	190.05	9.11	175.14	75.71	Run 7 NE Pt 3
6-Oct-07	9:30:00	7.24	12.00	191.67	8.12	174.83	75.53	Run 7 NE Pt 3
6-Oct-07	9:30:30	7.40	11.87	191.27	6.46	173.49	75.80	Run 7 NE Pt 2
6-Oct-07	9:31:01	7.22	11.98	189.68	4.84	174.42	75.24	Run 7 NE Pt 2
6-Oct-07	9:31:30	7.36	11.92	191.03	7.15	178.44	77.78	Run 7 NE Pt 2
6-Oct-07	9:32:00	7.36	11.86	191.25	6.38	176.62	76.99	Run 7 NE Pt 2
6-Oct-07	9:32:30	7.41	11.86	190.18	4.31	178.71	78.14	Run 7 NE Pt 2
6-Oct-07	9:33:01	7.32	11.90	190.02	3.59	179.69	78.07	Run 7 NE Pt 2
6-Oct-07	9:33:31	7.30	11.96	191.50	4.33	183.67	79.66	Run 7 NE Pt 2
6-Oct-07	9:34:00	7.30	11.95	192.20	4.51	183.78	79.73	Run 7 NE Pt 2
6-Oct-07	9:34:30	7.34	11.85	191.49	4.11	179.78	78.25	Run 7 NE Pt 1
6-Oct-07	9:35:00	7.27	11.90	189.55	3.78	174.45	75.52	Run 7 NE Pt 1
6-Oct-07	9:35:30	7.15	12.08	188.95	4.38	177.15	76.02	Run 7 NE Pt 1
6-Oct-07	9:36:00	7.37	11.86	189.39	6.38	171.76	74.91	Run 7 NE Pt 1
6-Oct-07	9:36:30	7.26	11.95	186.95	5.34	166.50	72.02	Run 7 NE Pt 1
6-Oct-07	9:37:00	7.43	11.81	187.34	3.95	165.78	72.62	Run 7 NE Pt 1
6-Oct-07	9:37:30	7.30	11.92	187.35	3.24	166.85	72.37	Run 7 NE Pt 1
6-Oct-07	9:38:00	7.22	12.00	189.66	3.41	169.90	73.27	Run 7 NE Pt 1
Average:	**9:38:00**	**7.32**	**11.91**	**189.97**	**4.95**	**174.99**	**76.04**	**Run 7 NE Pt 1**
Maximum	9:38:00	7.56	12.08	192.20	9.11	183.78	79.73	Run 7 NE Pt 1
Minimum	9:38:00	7.15	11.71	186.95	3.24	165.78	72.02	Run 7 NE Pt 1
Std Dev	9:38:00	0.09	0.08	1.44	1.60	4.70	2.09	Run 7 NE Pt 1
6-Oct-07	9:43:30	7.35	11.91	189.57	6.18	193.86	84.42	Run 7 NW Pt 3
6-Oct-07	9:44:00	7.50	11.78	187.95	4.86	194.01	85.42	Run 7 NW Pt 3
6-Oct-07	9:44:30	7.58	11.68	186.88	3.75	191.88	85.00	Run 7 NW Pt 3
6-Oct-07	9:45:00	7.45	11.82	188.28	3.37	195.53	85.78	Run 7 NW Pt 3
6-Oct-07	9:45:30	7.53	11.73	189.77	3.37	195.12	86.13	Run 7 NW Pt 3
6-Oct-07	9:46:01	7.34	11.88	188.43	3.19	191.66	83.39	Run 7 NW Pt 3
6-Oct-07	9:46:30	7.33	11.89	189.90	3.27	191.92	83.45	Run 7 NW Pt 3
6-Oct-07	9:47:00	7.19	12.04	190.94	4.79	194.64	83.80	Run 7 NW Pt 3
6-Oct-07	9:47:30	7.27	12.00	192.46	6.25	192.12	83.19	Run 7 NW Pt 3
6-Oct-07	9:48:01	7.40	11.83	191.09	5.28	187.88	82.11	Run 7 NW Pt 3
6-Oct-07	9:48:30	7.39	11.87	188.94	3.87	187.83	82.01	Run 7 NW Pt 2
6-Oct-07	9:49:00	7.43	11.83	188.94	3.71	188.45	82.54	Run 7 NW Pt 2
6-Oct-07	9:49:30	7.23	11.99	187.93	4.06	190.51	82.24	Run 7 NW Pt 2
6-Oct-07	9:50:01	7.41	11.86	189.73	4.44	193.06	84.41	Run 7 NW Pt 2
6-Oct-07	9:50:30	7.44	11.80	188.92	3.75	190.88	83.66	Run 7 NW Pt 2
6-Oct-07	9:51:00	7.45	11.81	188.46	3.23	189.49	83.10	Run 7 NW Pt 2
6-Oct-07	9:51:30	7.29	11.94	189.62	3.25	191.67	83.09	Run 7 NW Pt 1
6-Oct-07	9:52:01	7.45	11.82	191.26	3.57	195.07	85.59	Run 7 NW Pt 1
6-Oct-07	9:52:30	7.38	11.87	189.62	3.56	187.80	81.96	Run 7 NW Pt 1
6-Oct-07	9:53:00	7.52	11.74	189.12	3.37	185.93	81.96	Run 7 NW Pt 1
6-Oct-07	9:53:31	7.32	11.90	187.16	3.60	183.87	79.87	Run 7 NW Pt 1
6-Oct-07	9:54:00	7.41	11.87	188.98	3.78	184.86	80.86	Run 7 NW Pt 1
6-Oct-07	9:54:30	7.51	11.76	189.14	3.51	181.57	79.99	Run 7 NW Pt 1
6-Oct-07	9:55:00	7.35	11.85	189.17	3.26	180.99	78.83	Run 7 NW Pt 1
Average:	**9:55:02**	**7.40**	**11.85**	**189.26**	**3.97**	**190.02**	**83.03**	**Run 7 NW**
Maximum	9:55:02	7.58	12.04	192.46	6.25	195.53	86.13	Run 7 NW
Minimum	9:55:02	7.19	11.68	186.88	3.19	180.99	78.83	Run 7 NW
Std Dev	9:55:02	0.10	0.09	1.28	0.89	4.23	1.92	Run 7 NW
6-Oct-07	10:00:29	7.17	12.09	190.23	12.02	175.61	75.47	Run 7 SW Pt 3
6-Oct-07	10:00:59	7.37	11.87	192.95	17.16	173.70	75.77	Run 7 SW Pt 3
6-Oct-07	10:01:29	7.23	12.00	191.94	9.10	173.79	75.02	Run 7 SW Pt 3
6-Oct-07	10:02:00	7.40	11.86	192.14	5.31	176.43	77.13	Run 7 SW Pt 3
6-Oct-07	10:02:29	7.39	11.85	190.00	4.02	172.91	75.51	Run 7 SW Pt 3

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00	
6-Oct-07	10:02:59	7.34	11.93	189.26	4.07	176.31	76.71	Run 7 SW Pt 3
6-Oct-07	10:03:29	7.38	11.87	191.11	4.30	180.13	78.63	Run 7 SW Pt 3
6-Oct-07	10:04:00	7.36	11.87	191.46	3.86	182.83	79.65	Run 7 SW Pt 3
6-Oct-07	10:04:29	7.11	12.09	191.43	5.71	188.53	80.64	Run 7 SW Pt 2
6-Oct-07	10:04:59	7.35	11.94	192.08	7.07	193.53	84.27	Run 7 SW Pt 2
6-Oct-07	10:05:29	7.57	11.71	191.67	4.96	188.69	83.51	Run 7 SW Pt 2
6-Oct-07	10:06:00	7.38	11.84	190.94	3.20	188.85	82.43	Run 7 SW Pt 2
6-Oct-07	10:06:29	7.38	11.81	191.28	2.92	192.81	84.14	Run 7 SW Pt 2
6-Oct-07	10:06:59	7.22	11.93	189.98	3.26	195.13	84.16	Run 7 SW Pt 2
6-Oct-07	10:07:30	7.22	12.02	191.00	4.25	198.14	85.49	Run 7 SW Pt 2
6-Oct-07	10:08:00	7.48	11.76	190.72	4.91	195.41	85.89	Run 7 SW Pt 2
6-Oct-07	10:08:29	7.40	11.83	189.02	3.73	196.98	86.09	Run 7 SW Pt 1
6-Oct-07	10:08:59	7.49	11.75	190.10	3.16	198.25	87.24	Run 7 SW Pt 1
6-Oct-07	10:09:30	7.41	11.82	188.39	2.98	198.56	86.87	Run 7 SW Pt 1
6-Oct-07	10:10:00	7.17	12.03	188.95	3.27	202.33	86.98	Run 7 SW Pt 1
6-Oct-07	10:10:29	7.37	11.88	191.59	3.98	207.07	90.28	Run 7 SW Pt 1
6-Oct-07	10:10:59	7.37	11.88	190.39	3.75	206.31	89.96	Run 7 SW Pt 1
6-Oct-07	10:11:29	7.39	11.84	188.94	3.45	206.58	90.25	Run 7 SW Pt 1
6-Oct-07	10:11:59	7.38	11.87	189.75	3.31	211.72	92.36	Run 7 SW Pt 1
Average:	**10:12:00**	**7.35**	**11.89**	**190.64**	**5.16**	**190.86**	**83.10**	**Run 7 SW**
Maximum	10:12:00	7.57	12.09	192.95	17.16	211.72	92.36	Run 7 SW
Minimum	10:12:00	7.11	11.71	188.39	2.92	172.91	75.02	Run 7 SW
Std Dev	10:12:00	0.11	0.10	1.20	3.32	12.02	5.35	Run 7 SW
6-Oct-07	10:15:09	13.05	0.00	3.87	0.14	4.13	3.10	Cal:13.0 O2
6-Oct-07	10:15:18	13.05	0.00	3.87	0.14	3.24	2.44	Cal:13.0 O2
6-Oct-07	10:15:28	13.05	-0.01	3.87	0.14	3.03	2.28	Cal:13.0 O2
6-Oct-07	10:15:38	13.05	-0.02	3.88	0.14	3.05	2.29	Cal:13.0 O2
Average:	**10:15:38**	**13.05**	**-0.01**	**3.87**	**0.14**	**3.36**	**2.53**	**Cal:13.0 O2**
Gas Value:	10:15:38	13	0	0	0	0	#N/A	13.0 O2
Diff%ofSpan	10:15:38	0.22%	-0.04%	0.77%	0.15%	0.66%	#N/A	
6-Oct-07	10:19:16	0.09	8.84	254.85	-0.01	1.05	0.30	Cal:244 Nox 9.02 CO2
6-Oct-07	10:19:26	0.09	8.84	254.88	-0.03	1.14	0.32	Cal:244 Nox 9.02 CO2
6-Oct-07	10:19:36	0.09	8.84	254.84	-0.02	1.10	0.31	Cal:244 Nox 9.02 CO2
Average:	**10:19:37**	**0.09**	**8.84**	**254.86**	**-0.02**	**1.10**	**0.31**	**Cal:244 Nox 9.02 CO2**
Gas Value:	10:19:37	#N/A	9.02	244	#N/A	#N/A	#N/A	244 Nox 9.02 CO2
Diff%ofSpan	10:19:37	#N/A	-1.01%	2.15%	#N/A	#N/A	#N/A	
6-Oct-07	10:23:00	0.03	-0.05	3.83	47.42	0.42	0.12	Cal:47.3 CO
6-Oct-07	10:23:10	0.03	-0.06	3.85	47.42	0.86	0.24	Cal:47.3 CO
6-Oct-07	10:23:21	0.04	-0.06	3.85	47.42	0.78	0.22	Cal:47.3 CO
Average:	**10:23:22**	**0.04**	**-0.06**	**3.85**	**47.42**	**0.69**	**0.19**	**Cal:47.3 CO**
Gas Value:	10:23:22	0	0	#N/A	47.3	#N/A	#N/A	47.3 CO
Diff%ofSpan	10:23:22	0.16%	-0.32%	#N/A	0.13%	#N/A	#N/A	
6-Oct-07	10:30:31	7.01	12.19	192.84	3.53	197.05	83.71	Run 8 SW Pt 3
6-Oct-07	10:31:01	7.32	11.93	195.87	5.49	200.52	87.11	Run 8 SW Pt 3
6-Oct-07	10:31:31	7.43	11.80	191.82	4.44	194.83	85.36	Run 8 SW Pt 3
6-Oct-07	10:32:01	7.39	11.81	190.88	3.72	193.66	84.59	Run 8 SW Pt 3
6-Oct-07	10:32:31	7.38	11.85	190.88	4.58	193.65	84.48	Run 8 SW Pt 3
6-Oct-07	10:33:01	7.41	11.84	190.30	3.64	193.40	84.59	Run 8 SW Pt 3
6-Oct-07	10:33:31	7.44	11.77	189.32	3.16	192.77	84.49	Run 8 SW Pt 3
6-Oct-07	10:34:01	7.37	11.85	189.52	3.99	194.78	84.91	Run 8 SW Pt 3
6-Oct-07	10:34:31	7.36	11.85	191.18	3.91	197.02	85.82	Run 8 SW Pt 2
6-Oct-07	10:35:01	7.32	11.90	191.43	3.59	197.81	85.94	Run 8 SW Pt 2
6-Oct-07	10:35:31	7.46	11.77	191.40	3.20	196.54	86.26	Run 8 SW Pt 2
6-Oct-07	10:36:01	7.22	11.96	190.89	2.61	199.57	86.08	Run 8 SW Pt 2
6-Oct-07	10:36:31	7.28	11.93	191.22	3.35	208.14	90.20	Run 8 SW Pt 2
6-Oct-07	10:37:01	7.31	11.91	189.98	3.47	209.75	91.08	Run 8 SW Pt 2
6-Oct-07	10:37:31	7.28	11.93	190.24	3.80	210.88	91.35	Run 8 SW Pt 2

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00	
6-Oct-07	10:38:01	7.36	11.86	189.90	5.17	212.82	92.74	Run 8 SW Pt 2
6-Oct-07	10:38:31	7.20	12.00	191.09	4.87	212.41	91.50	Run 8 SW Pt 1
6-Oct-07	10:39:01	7.38	11.85	191.97	4.91	209.67	91.52	Run 8 SW Pt 1
6-Oct-07	10:39:32	7.38	11.86	190.90	3.85	204.26	89.12	Run 8 SW Pt 1
6-Oct-07	10:40:01	7.51	11.73	189.97	2.73	198.48	87.44	Run 8 SW Pt 1
6-Oct-07	10:40:31	7.53	11.72	189.11	2.41	191.57	84.55	Run 8 SW Pt 1
6-Oct-07	10:41:01	7.45	11.77	189.94	2.37	185.24	81.27	Run 8 SW Pt 1
6-Oct-07	10:41:32	7.51	11.74	188.63	2.61	186.74	82.30	Run 8 SW Pt 1
6-Oct-07	10:42:01	7.31	11.89	186.95	2.92	184.42	80.05	Run 8 SW Pt 1
Average:	**10:42:06**	**7.36**	**11.86**	**190.68**	**3.68**	**198.58**	**86.52**	**Run 8 SW**
Maximum	10:42:06	7.53	12.19	195.87	5.49	212.82	92.74	Run 8 SW
Minimum	10:42:06	7.01	11.72	186.95	2.37	184.42	80.05	Run 8 SW
Std Dev	10:42:06	0.11	0.10	1.65	0.88	8.44	3.45	Run 8 SW
6-Oct-07	10:48:30	7.61	11.67	190.11	3.60	192.59	85.48	Run 8 NW Pt 3
6-Oct-07	10:49:00	7.45	11.79	188.65	2.84	189.94	83.29	Run 8 NW Pt 3
6-Oct-07	10:49:30	7.42	11.83	189.88	3.14	193.46	84.70	Run 8 NW Pt 3
6-Oct-07	10:50:00	7.28	11.95	190.24	3.31	194.32	84.16	Run 8 NW Pt 3
6-Oct-07	10:50:30	7.41	11.85	191.36	3.72	196.47	85.93	Run 8 NW Pt 3
6-Oct-07	10:51:00	7.45	11.81	192.23	3.15	195.69	85.84	Run 8 NW Pt 3
6-Oct-07	10:51:30	7.59	11.70	189.87	2.94	195.26	86.55	Run 8 NW Pt 3
6-Oct-07	10:52:00	7.38	11.84	188.96	2.83	191.08	83.40	Run 8 NW Pt 3
6-Oct-07	10:52:30	7.43	11.85	190.45	2.90	192.15	84.14	Run 8 NW Pt 2
6-Oct-07	10:53:00	7.46	11.76	190.07	2.67	187.34	82.25	Run 8 NW Pt 2
6-Oct-07	10:53:31	7.28	11.94	189.98	3.53	187.80	81.35	Run 8 NW Pt 2
6-Oct-07	10:54:00	7.15	12.04	191.16	4.95	189.77	81.44	Run 8 NW Pt 2
6-Oct-07	10:54:30	7.24	12.01	193.17	5.84	190.62	82.35	Run 8 NW Pt 2
6-Oct-07	10:55:00	7.40	11.84	192.85	4.89	188.54	82.39	Run 8 NW Pt 2
6-Oct-07	10:55:31	7.39	11.83	190.64	3.26	188.12	82.17	Run 8 NW Pt 2
6-Oct-07	10:56:00	7.23	11.98	190.97	3.06	191.47	82.64	Run 8 NW Pt 2
6-Oct-07	10:56:30	7.32	11.91	192.16	3.95	193.95	84.26	Run 8 NW Pt 1
6-Oct-07	10:57:00	7.34	11.87	192.10	3.83	192.38	83.69	Run 8 NW Pt 1
6-Oct-07	10:57:31	7.37	11.88	190.65	3.67	193.01	84.16	Run 8 NW Pt 1
6-Oct-07	10:58:00	7.51	11.73	189.26	3.48	192.17	84.66	Run 8 NW Pt 1
6-Oct-07	10:58:30	7.32	11.88	187.96	2.96	194.67	84.55	Run 8 NW Pt 1
6-Oct-07	10:59:00	7.25	11.98	189.42	5.89	198.97	86.02	Run 8 NW Pt 1
6-Oct-07	10:59:31	7.27	11.93	190.83	8.95	200.96	86.99	Run 8 NW Pt 1
6-Oct-07	11:00:00	7.11	12.08	191.77	9.76	204.12	87.33	Run 8 NW Pt 1
Average:	**11:00:01**	**7.36**	**11.87**	**190.61**	**4.13**	**193.12**	**84.16**	**Run 8 NW**
Maximum	11:00:01	7.61	12.08	193.17	9.76	204.12	87.33	Run 8 NW
Minimum	11:00:01	7.11	11.67	187.96	2.67	187.34	81.35	Run 8 NW
Std Dev	11:00:01	0.12	0.10	1.32	1.84	4.11	1.73	Run 8 NW
6-Oct-07	11:05:30	7.28	11.92	187.61	4.82	198.96	86.22	Run 8 NE Pt 3
6-Oct-07	11:06:00	7.43	11.83	188.88	7.45	193.33	84.70	Run 8 NE Pt 3
6-Oct-07	11:06:30	7.24	11.97	188.60	5.55	186.89	80.75	Run 8 NE Pt 3
6-Oct-07	11:07:00	7.39	11.89	190.81	3.89	184.49	80.59	Run 8 NE Pt 3
6-Oct-07	11:07:30	7.40	11.84	189.39	3.22	179.85	78.61	Run 8 NE Pt 3
6-Oct-07	11:08:00	7.41	11.89	189.81	3.65	180.30	78.84	Run 8 NE Pt 3
6-Oct-07	11:08:30	7.49	11.77	190.68	4.07	176.60	77.70	Run 8 NE Pt 3
6-Oct-07	11:09:00	7.37	11.89	189.94	6.87	175.91	76.72	Run 8 NE Pt 3
6-Oct-07	11:09:30	7.45	11.85	191.48	6.74	178.65	78.36	Run 8 NE Pt 2
6-Oct-07	11:10:00	7.45	11.81	191.09	4.08	180.75	79.28	Run 8 NE Pt 2
6-Oct-07	11:10:30	7.21	12.02	190.26	4.04	183.36	79.01	Run 8 NE Pt 2
6-Oct-07	11:11:00	7.40	11.89	191.72	9.41	188.92	82.59	Run 8 NE Pt 2
6-Oct-07	11:11:30	7.47	11.80	189.87	8.70	184.31	80.95	Run 8 NE Pt 2
6-Oct-07	11:12:00	7.32	11.93	189.08	5.21	185.23	80.46	Run 8 NE Pt 2
6-Oct-07	11:12:30	7.37	11.89	189.30	4.37	189.77	82.77	Run 8 NE Pt 2
6-Oct-07	11:13:00	7.19	12.04	190.05	4.91	192.62	82.88	Run 8 NE Pt 2
6-Oct-07	11:13:30	7.36	11.92	192.26	6.35	195.45	85.19	Run 8 NE Pt 1

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00	
6-Oct-07	11:14:00	7.18	12.05	189.84	6.99	193.44	83.20	Run 8 NE Pt 1
6-Oct-07	11:14:30	7.40	11.88	190.31	9.53	195.56	85.50	Run 8 NE Pt 1
6-Oct-07	11:15:00	7.30	11.96	189.69	9.16	193.24	83.86	Run 8 NE Pt 1
6-Oct-07	11:15:30	7.33	11.91	190.65	10.95	187.08	81.35	Run 8 NE Pt 1
6-Oct-07	11:16:01	7.37	11.91	191.05	7.55	182.81	79.73	Run 8 NE Pt 1
6-Oct-07	11:16:30	7.33	11.92	191.04	4.85	178.68	77.68	Run 8 NE Pt 1
6-Oct-07	11:17:00	7.28	12.00	191.89	16.52	179.17	77.63	Run 8 NE Pt 1
Average:	**11:17:01**	**7.35**	**11.91**	**190.22**	**6.62**	**186.06**	**81.02**	**Run 8 NE**
Maximum	11:17:01	7.49	12.05	192.26	16.52	198.96	86.22	Run 8 NE
Minimum	11:17:01	7.18	11.77	187.61	3.22	175.91	76.72	Run 8 NE
Std Dev	11:17:01	0.09	0.07	1.11	3.03	6.74	2.79	Run 8 NE
6-Oct-07	11:21:30	7.34	11.92	193.98	6.45	196.65	85.59	Run 8 SE Pt 3
6-Oct-07	11:22:01	7.37	11.91	192.93	4.79	197.70	86.23	Run 8 SE Pt 3
6-Oct-07	11:22:30	7.39	11.88	189.42	3.99	195.25	85.27	Run 8 SE Pt 3
6-Oct-07	11:23:00	7.28	11.93	187.82	3.30	196.12	84.94	Run 8 SE Pt 3
6-Oct-07	11:23:31	7.05	12.18	187.39	3.55	204.96	87.32	Run 8 SE Pt 3
6-Oct-07	11:24:00	7.14	12.12	190.03	4.66	208.63	89.46	Run 8 SE Pt 3
6-Oct-07	11:24:30	7.28	11.98	189.47	5.06	206.73	89.55	Run 8 SE Pt 3
6-Oct-07	11:25:00	7.31	11.95	188.10	4.30	205.37	89.18	Run 8 SE Pt 3
6-Oct-07	11:25:31	7.32	11.94	188.05	3.55	206.58	89.73	Run 8 SE Pt 2
6-Oct-07	11:26:01	7.43	11.86	188.38	3.33	209.07	91.55	Run 8 SE Pt 2
6-Oct-07	11:26:30	7.49	11.79	187.98	2.88	211.13	92.88	Run 8 SE Pt 2
6-Oct-07	11:27:00	7.37	11.86	187.93	2.81	211.49	92.26	Run 8 SE Pt 2
6-Oct-07	11:27:30	7.48	11.80	188.24	3.75	213.80	94.01	Run 8 SE Pt 2
6-Oct-07	11:28:00	7.47	11.77	187.27	3.85	208.32	91.55	Run 8 SE Pt 2
6-Oct-07	11:28:30	7.36	11.89	186.22	3.44	205.57	89.59	Run 8 SE Pt 2
6-Oct-07	11:29:00	7.43	11.83	187.88	3.48	203.37	89.06	Run 8 SE Pt 2
6-Oct-07	11:29:30	7.41	11.83	187.58	3.28	198.54	86.83	Run 8 SE Pt 1
6-Oct-07	11:30:00	7.42	11.83	187.89	3.48	194.75	85.25	Run 8 SE Pt 1
6-Oct-07	11:30:30	7.40	11.85	189.21	4.94	189.31	82.75	Run 8 SE Pt 1
6-Oct-07	11:31:00	7.42	11.80	187.94	9.09	187.17	81.94	Run 8 SE Pt 1
6-Oct-07	11:31:30	7.22	12.02	187.23	11.34	189.27	81.63	Run 8 SE Pt 1
6-Oct-07	11:32:03	7.23	12.00	187.97	10.63	184.68	79.71	Run 8 SE Pt 1
6-Oct-07	11:32:30	7.44	11.81	186.55	6.98	180.19	79.00	Run 8 SE Pt 1
6-Oct-07	11:33:00	7.42	11.82	184.01	6.05	176.01	77.05	Run 8 SE Pt 1
Average:	**11:33:03**	**7.35**	**11.90**	**188.31**	**4.96**	**199.19**	**86.76**	**Run 8 SE**
Maximum	11:33:03	7.49	12.18	193.98	11.34	213.80	94.01	Run 8 SE
Minimum	11:33:03	7.05	11.77	184.01	2.81	176.01	77.05	Run 8 SE
Std Dev	11:33:03	0.11	0.10	1.99	2.37	10.47	4.61	Run 8 SE
6-Oct-07	11:36:00	0.06	0.00	3.96	46.94	2.78	0.79	Cal:47.3 CO
6-Oct-07	11:36:09	0.06	0.00	3.95	46.90	2.26	0.64	Cal:47.3 CO
6-Oct-07	11:36:19	0.05	-0.01	3.95	46.81	2.21	0.63	Cal:47.3 CO
6-Oct-07	11:36:29	0.05	-0.02	3.95	46.92	2.42	0.68	Cal:47.3 CO
Average:	**11:36:29**	**0.05**	**-0.01**	**3.95**	**46.89**	**2.42**	**0.68**	**Cal:47.3 CO**
Gas Value:	11:36:29	0	0	#N/A	47.3	#N/A	#N/A	47.3 CO
Diff%ofSpan	11:36:29	0.24%	-0.06%	#N/A	-0.43%	#N/A	#N/A	
6-Oct-07	11:39:44	0.06	8.83	251.03	0.15	0.49	0.14	Cal:244 Nox 9.02 CO2
6-Oct-07	11:39:54	0.05	8.83	251.02	-0.02	0.66	0.19	Cal:244 Nox 9.02 CO2
6-Oct-07	11:40:04	0.05	8.83	250.99	-0.04	0.53	0.15	Cal:244 Nox 9.02 CO2
Average:	**11:40:04**	**0.05**	**8.83**	**251.01**	**0.03**	**0.56**	**0.16**	**Cal:244 Nox 9.02 CO2**
Gas Value:	11:40:04	#N/A	9.02	244	#N/A	#N/A	#N/A	244 Nox 9.02 CO2
Diff%ofSpan	11:40:04	#N/A	-1.09%	1.39%	#N/A	#N/A	#N/A	
6-Oct-07	11:42:53	13.00	0.01	4.92	-0.02	0.15	0.11	Cal:13.0 O2
6-Oct-07	11:43:03	13.00	0.01	4.63	-0.03	0.46	0.34	Cal:13.0 O2
6-Oct-07	11:43:13	13.00	0.00	3.93	-0.03	0.56	0.42	Cal:13.0 O2
Average:	**11:43:18**	**13.00**	**0.01**	**4.49**	**-0.03**	**0.39**	**0.29**	**Cal:13.0 O2**
Gas Value:	11:43:18	13	0	0	0	0	#N/A	13.0 O2

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00	
Diff%ofSpan	11:43:18	0.00%	0.03%	0.89%	-0.03%	0.08%	#N/A	
6-Oct-07	11:48:31	7.31	11.91	184.95	5.67	202.66	87.99	RUN 9 SE Pt 3
6-Oct-07	11:49:00	7.27	11.97	184.97	4.45	205.99	89.18	RUN 9 SE Pt 3
6-Oct-07	11:49:30	7.26	11.96	185.96	4.02	206.32	89.25	RUN 9 SE Pt 3
6-Oct-07	11:50:00	7.39	11.86	185.60	3.76	206.52	90.20	RUN 9 SE Pt 3
6-Oct-07	11:50:30	7.27	11.95	184.95	4.34	208.35	90.22	RUN 9 SE Pt 3
6-Oct-07	11:51:00	7.31	11.93	186.65	5.80	212.53	92.25	RUN 9 SE Pt 3
6-Oct-07	11:51:30	7.20	12.02	186.97	5.95	218.26	94.01	RUN 9 SE Pt 3
6-Oct-07	11:52:00	7.42	11.83	187.91	6.50	218.79	95.79	RUN 9 SE Pt 3
6-Oct-07	11:52:30	7.39	11.85	186.94	4.59	215.22	93.97	RUN 9 SE Pt 2
6-Oct-07	11:53:00	7.38	11.83	185.93	3.41	213.70	93.27	RUN 9 SE Pt 2
6-Oct-07	11:53:30	7.20	12.00	186.29	4.16	214.30	92.31	RUN 9 SE Pt 2
6-Oct-07	11:54:00	7.31	11.93	186.93	9.19	212.99	92.48	RUN 9 SE Pt 2
6-Oct-07	11:54:30	7.27	11.96	186.94	12.29	205.81	89.08	RUN 9 SE Pt 2
6-Oct-07	11:55:00	7.40	11.82	185.61	9.79	197.63	86.38	RUN 9 SE Pt 2
6-Oct-07	11:55:30	7.38	11.83	183.93	7.29	187.15	81.71	RUN 9 SE Pt 2
6-Oct-07	11:56:00	7.12	12.06	183.94	7.31	185.34	79.38	RUN 9 SE Pt 2
6-Oct-07	11:56:30	7.46	11.81	186.28	9.30	182.83	80.28	RUN 9 SE Pt 1
6-Oct-07	11:57:00	7.51	11.71	183.61	6.72	172.00	75.77	RUN 9 SE Pt 1
6-Oct-07	11:57:30	7.45	11.77	183.96	3.94	168.56	73.96	RUN 9 SE Pt 1
6-Oct-07	11:58:00	7.23	11.95	185.94	4.08	170.60	73.65	RUN 9 SE Pt 1
6-Oct-07	11:58:30	7.37	11.88	186.26	5.69	172.31	75.12	RUN 9 SE Pt 1
6-Oct-07	11:59:00	7.35	11.88	184.93	5.03	170.40	74.21	RUN 9 SE Pt 1
6-Oct-07	11:59:30	7.49	11.74	185.27	3.73	172.42	75.85	RUN 9 SE Pt 1
6-Oct-07	12:00:00	7.33	11.87	183.94	3.87	174.10	75.69	RUN 9 SE Pt 1
Average:	**12:00:00**	**7.34**	**11.89**	**185.61**	**5.87**	**195.62**	**85.08**	**RUN 9**
Maximum	12:00:00	7.51	12.06	187.91	12.29	218.79	95.79	RUN 9
Minimum	12:00:00	7.12	11.71	183.61	3.41	168.56	73.65	RUN 9
Std Dev	12:00:00	0.10	0.09	1.18	2.32	18.41	7.83	RUN 9
6-Oct-07	12:04:30	7.42	11.79	181.83	3.50	185.09	81.00	RUN 9 NE Pt 3
6-Oct-07	12:05:00	7.30	11.90	180.69	3.62	188.81	81.90	RUN 9 NE Pt 3
6-Oct-07	12:05:30	7.38	11.83	182.28	3.88	190.98	83.37	RUN 9 NE Pt 3
6-Oct-07	12:06:00	7.14	12.07	182.00	10.31	195.89	83.98	RUN 9 NE Pt 3
6-Oct-07	12:06:30	7.20	11.99	184.96	30.15	195.28	84.10	RUN 9 NE Pt 3
6-Oct-07	12:07:00	7.31	11.93	184.29	20.33	191.77	83.23	RUN 9 NE Pt 3
6-Oct-07	12:07:30	7.42	11.79	183.58	7.59	183.74	80.43	RUN 9 NE Pt 3
6-Oct-07	12:08:00	7.14	12.09	181.99	7.75	186.21	79.85	RUN 9 NE Pt 3
6-Oct-07	12:08:30	7.33	11.89	183.25	9.91	183.69	79.85	RUN 9 NE Pt 2
6-Oct-07	12:09:00	7.29	11.92	181.70	6.78	182.21	79.01	RUN 9 NE Pt 2
6-Oct-07	12:09:30	7.30	11.95	182.33	6.73	183.83	79.75	RUN 9 NE Pt 2
6-Oct-07	12:10:00	7.20	11.96	183.01	7.10	183.65	79.11	RUN 9 NE Pt 2
6-Oct-07	12:10:30	7.26	12.02	184.06	12.81	189.15	81.80	RUN 9 NE Pt 2
6-Oct-07	12:11:00	7.51	11.74	183.24	12.63	186.07	82.00	RUN 9 NE Pt 2
6-Oct-07	12:11:30	7.15	12.00	181.04	6.88	187.72	80.56	RUN 9 NE Pt 2
6-Oct-07	12:12:00	7.20	12.04	182.01	7.05	191.82	82.58	RUN 9 NE Pt 2
6-Oct-07	12:12:30	7.40	11.87	181.67	6.12	188.91	82.53	RUN 9 NE Pt 1
6-Oct-07	12:13:00	7.38	11.83	180.30	6.66	187.37	81.78	RUN 9 NE Pt 1
6-Oct-07	12:13:30	7.11	12.05	181.34	9.95	192.29	82.28	RUN 9 NE Pt 1
6-Oct-07	12:14:00	7.27	11.99	183.38	11.24	198.76	86.06	RUN 9 NE Pt 1
6-Oct-07	12:14:30	7.34	11.86	183.29	10.77	197.23	85.85	RUN 9 NE Pt 1
6-Oct-07	12:15:00	7.31	11.92	182.01	6.38	197.67	85.80	RUN 9 NE Pt 1
6-Oct-07	12:15:30	7.23	11.96	181.05	4.23	199.80	86.25	RUN 9 NE Pt 1
6-Oct-07	12:16:01	7.21	12.02	181.46	4.57	207.83	89.57	RUN 9 NE Pt 1
Average:	**12:16:02**	**7.28**	**11.93**	**182.36**	**9.04**	**190.66**	**82.61**	**RUN 9 NE**
Maximum	12:16:02	7.51	12.09	184.96	30.15	207.83	89.57	RUN 9 NE
Minimum	12:16:02	7.11	11.74	180.30	3.50	182.21	79.01	RUN 9 NE
Std Dev	12:16:02	0.10	0.09	1.19	5.86	6.44	2.65	RUN 9 NE
6-Oct-07	12:20:30	7.28	11.92	182.16	4.93	202.31	87.67	RUN 9 NW Pt 3

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00	
6-Oct-07	12:21:00	7.29	11.88	182.07	4.45	198.44	86.01	RUN 9 NW Pt 3
6-Oct-07	12:21:30	7.23	11.97	181.76	3.73	197.20	85.11	RUN 9 NW Pt 3
6-Oct-07	12:22:01	7.27	11.87	182.36	3.45	188.53	81.61	RUN 9 NW Pt 3
6-Oct-07	12:22:30	7.12	12.07	183.07	3.48	187.40	80.24	RUN 9 NW Pt 3
6-Oct-07	12:23:00	7.30	11.86	184.87	3.52	183.43	79.60	RUN 9 NW Pt 3
6-Oct-07	12:23:30	7.23	11.93	182.25	3.13	180.25	77.81	RUN 9 NW Pt 3
6-Oct-07	12:24:00	7.26	11.93	182.65	3.63	179.61	77.69	RUN 9 NW Pt 3
6-Oct-07	12:24:30	7.33	11.85	182.62	4.17	178.51	77.61	RUN 9 NW Pt 2
6-Oct-07	12:25:00	7.27	11.88	181.61	3.53	177.40	76.80	RUN 9 NW Pt 2
6-Oct-07	12:25:30	7.29	11.86	181.69	3.05	178.34	77.29	RUN 9 NW Pt 2
6-Oct-07	12:26:00	7.23	11.95	183.06	3.35	180.62	77.96	RUN 9 NW Pt 2
6-Oct-07	12:26:30	7.24	11.90	183.61	3.57	181.02	78.16	RUN 9 NW Pt 2
6-Oct-07	12:27:00	7.13	11.98	183.31	3.44	183.28	78.56	RUN 9 NW Pt 2
6-Oct-07	12:27:30	7.16	11.96	184.24	3.62	186.30	80.02	RUN 9 NW Pt 2
6-Oct-07	12:28:00	7.31	11.85	182.88	4.22	186.77	81.07	RUN 9 NW Pt 2
6-Oct-07	12:28:30	7.38	11.74	181.48	3.79	182.75	79.76	RUN 9 NW Pt 1
6-Oct-07	12:29:00	7.19	11.90	180.02	3.43	182.43	78.51	RUN 9 NW Pt 1
6-Oct-07	12:29:30	7.15	11.96	181.70	4.27	186.90	80.17	RUN 9 NW Pt 1
6-Oct-07	12:30:00	7.18	11.94	181.95	4.18	189.12	81.35	RUN 9 NW Pt 1
6-Oct-07	12:30:30	7.23	11.90	180.80	3.65	189.36	81.71	RUN 9 NW Pt 1
6-Oct-07	12:31:00	7.17	11.95	180.34	3.56	191.99	82.48	RUN 9 NW Pt 1
6-Oct-07	12:31:30	7.09	11.97	181.26	4.15	191.95	82.01	RUN 9 NW Pt 1
6-Oct-07	12:32:00	7.19	11.96	182.70	5.13	192.73	82.95	RUN 9 NW Pt 1
Average:	**12:32:05**	**7.23**	**11.92**	**182.27**	**3.81**	**186.53**	**80.51**	**RUN 9 NW**
Maximum	12:32:05	7.38	12.07	184.87	5.13	202.31	87.67	RUN 9 NW
Minimum	12:32:05	7.09	11.74	180.02	3.05	177.40	76.80	RUN 9 NW
Std Dev	12:32:05	0.07	0.06	1.14	0.52	6.73	2.86	RUN 9 NW
6-Oct-07	12:36:30	7.24	11.88	181.80	4.45	187.28	80.86	RUN 9 SW Pt 3
6-Oct-07	12:37:00	7.17	11.90	182.95	3.97	185.18	79.57	RUN 9 SW Pt 3
6-Oct-07	12:37:30	7.13	11.98	182.23	8.62	192.04	82.30	RUN 9 SW Pt 3
6-Oct-07	12:38:00	7.23	11.84	181.53	10.11	193.81	83.63	RUN 9 SW Pt 3
6-Oct-07	12:38:31	7.17	11.94	181.46	5.86	193.64	83.24	RUN 9 SW Pt 3
6-Oct-07	12:39:00	7.15	11.90	182.88	4.04	194.21	83.34	RUN 9 SW Pt 3
6-Oct-07	12:39:30	7.00	12.05	182.40	3.70	196.67	83.45	RUN 9 SW Pt 3
6-Oct-07	12:40:00	7.10	12.03	184.36	5.08	203.29	86.90	RUN 9 SW Pt 3
6-Oct-07	12:40:30	7.00	12.03	184.22	6.24	200.58	85.17	RUN 9 SW Pt 2
6-Oct-07	12:41:00	6.99	12.12	184.37	5.84	207.81	88.16	RUN 9 SW Pt 2
6-Oct-07	12:41:30	7.15	11.90	184.48	5.19	208.60	89.53	RUN 9 SW Pt 2
6-Oct-07	12:42:00	6.86	12.20	183.76	6.08	213.44	89.68	RUN 9 SW Pt 2
6-Oct-07	12:42:32	7.08	12.06	185.34	9.42	218.63	93.32	RUN 9 SW Pt 2
6-Oct-07	12:43:00	7.37	11.74	183.40	7.67	212.92	92.86	RUN 9 SW Pt 2
6-Oct-07	12:43:30	7.21	11.85	181.97	4.58	210.17	90.60	RUN 9 SW Pt 2
6-Oct-07	12:44:00	7.17	11.94	181.26	4.28	213.34	91.68	RUN 9 SW Pt 2
6-Oct-07	12:44:31	7.31	11.78	180.63	4.37	209.17	90.80	RUN 9 SW Pt 1
6-Oct-07	12:45:00	6.94	12.12	179.44	5.11	207.34	87.65	RUN 9 SW Pt 1
6-Oct-07	12:45:30	7.16	11.97	182.82	10.39	204.34	87.73	RUN 9 SW Pt 1
6-Oct-07	12:46:00	7.25	11.84	182.97	8.30	196.03	84.73	RUN 9 SW Pt 1
6-Oct-07	12:46:30	7.27	11.84	181.32	4.56	191.69	82.98	RUN 9 SW Pt 1
6-Oct-07	12:47:00	7.29	11.84	181.73	4.17	187.88	81.42	RUN 9 SW Pt 1
6-Oct-07	12:47:30	7.25	11.88	181.55	3.83	186.80	80.71	RUN 9 SW Pt 1
6-Oct-07	12:48:00	7.25	11.84	182.36	3.77	182.60	78.96	RUN 9 SW Pt 1
Average:	**12:48:02**	**7.16**	**11.94**	**182.55**	**5.82**	**199.89**	**85.80**	**RUN 9 SW**
Maximum	12:48:02	7.37	12.20	185.34	10.39	218.63	93.32	RUN 9 SW
Minimum	12:48:02	6.86	11.74	179.44	3.70	182.60	78.96	RUN 9 SW
Std Dev	12:48:02	0.13	0.12	1.40	2.11	10.54	4.33	RUN 9 SW
6-Oct-07	12:51:16	12.82	0.00	3.94	-0.03	2.78	2.03	Cal:13.0 O2
6-Oct-07	12:51:27	12.82	-0.01	3.94	-0.03	2.82	2.06	Cal:13.0 O2
6-Oct-07	12:51:36	12.82	-0.01	3.93	-0.03	2.65	1.93	Cal:13.0 O2

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00	
Average:	**12:51:37**	**12.82**	**-0.01**	**3.94**	**-0.03**	**2.75**	**2.01**	**Cal:13.0 O2**
Gas Value:	12:51:37	13	0	0	0	0	#N/A	13.0 O2
Diff%ofSpan	12:51:37	-0.82%	-0.05%	0.78%	-0.03%	0.54%	#N/A	
6-Oct-07	12:54:44	0.11	8.82	246.79	-0.19	1.27	0.36	Cal:
6-Oct-07	12:54:54	0.11	8.82	246.96	-0.20	1.24	0.35	Cal:
6-Oct-07	12:55:04	0.10	8.83	246.96	-0.19	1.44	0.41	Cal:
6-Oct-07	12:55:14	0.10	8.83	247.71	-0.19	1.24	0.35	Cal:
6-Oct-07	12:55:24	0.09	8.84	247.96	-0.20	1.08	0.31	Cal:
6-Oct-07	12:55:34	0.09	8.84	247.97	-0.20	0.96	0.27	Cal:
6-Oct-07	12:55:44	0.08	8.84	247.96	-0.19	0.94	0.27	Cal:
6-Oct-07	12:55:54	0.08	8.84	247.97	-0.19	1.07	0.30	Cal:
Average:	**12:55:59**	**0.09**	**8.83**	**247.54**	**-0.19**	**1.16**	**0.33**	**Cal:**
Gas Value:	12:55:59							
Diff%ofSpan	12:55:59	0.42%	49.97%	49.11%	-0.21%	0.23%	#DIV/0!	
6-Oct-07	12:59:40	0.06	-0.05	4.02	46.82	0.43	0.12	Cal:
6-Oct-07	12:59:50	0.05	-0.05	4.02	46.82	0.49	0.14	Cal:
6-Oct-07	13:00:00	0.04	-0.06	4.00	46.72	0.78	0.22	Cal:
6-Oct-07	13:00:10	0.05	-0.06	3.94	46.51	0.93	0.26	Cal:
Average:	**13:00:18**	**0.05**	**-0.05**	**3.99**	**46.72**	**0.66**	**0.19**	**Cal:**
Gas Value:	13:00:18							
Diff%ofSpan	13:00:18	0.22%	-0.30%	0.79%	49.54%	0.13%	#DIV/0!	
6-Oct-07	13:20:30	7.10	11.98	187.13	12.49	190.72	81.54	Run 10 SW Pt 3
6-Oct-07	13:21:00	7.13	11.91	186.74	9.69	186.49	79.93	Run 10 SW Pt 3
6-Oct-07	13:21:30	7.04	12.04	185.81	7.28	186.10	79.24	Run 10 SW Pt 3
6-Oct-07	13:22:00	7.14	11.92	186.86	7.88	182.43	78.22	Run 10 SW Pt 3
6-Oct-07	13:22:30	7.14	11.93	185.99	6.72	182.56	78.30	Run 10 SW Pt 3
6-Oct-07	13:23:00	7.25	11.84	186.39	5.62	179.93	77.80	Run 10 SW Pt 3
6-Oct-07	13:23:31	7.29	11.79	185.42	5.01	177.76	77.03	Run 10 SW Pt 3
6-Oct-07	13:24:00	7.24	11.85	183.04	4.83	179.18	77.36	Run 10 SW Pt 3
6-Oct-07	13:24:30	7.17	11.89	183.82	4.14	180.94	77.75	Run 10 SW Pt 2
6-Oct-07	13:25:00	7.25	11.85	184.81	4.24	185.38	80.14	Run 10 SW Pt 2
6-Oct-07	13:25:30	7.18	11.90	185.81	4.11	186.45	80.17	Run 10 SW Pt 2
6-Oct-07	13:26:00	7.16	11.90	186.14	4.40	188.78	81.06	Run 10 SW Pt 2
6-Oct-07	13:26:30	7.11	11.97	187.00	5.15	188.68	80.70	Run 10 SW Pt 2
6-Oct-07	13:27:00	7.18	11.91	186.88	5.75	189.82	81.65	Run 10 SW Pt 2
6-Oct-07	13:27:31	7.10	11.99	185.55	5.11	193.83	82.85	Run 10 SW Pt 2
6-Oct-07	13:28:00	7.27	11.85	185.68	5.23	193.47	83.72	Run 10 SW Pt 2
6-Oct-07	13:28:30	7.16	11.92	184.66	4.83	194.40	83.47	Run 10 SW Pt 1
6-Oct-07	13:29:00	7.18	11.95	185.94	4.76	198.85	85.50	Run 10 SW Pt 1
6-Oct-07	13:29:31	7.22	11.86	187.01	4.34	197.31	85.11	Run 10 SW Pt 1
6-Oct-07	13:30:00	7.10	11.99	186.31	4.38	200.82	85.84	Run 10 SW Pt 1
6-Oct-07	13:30:30	7.10	11.99	187.47	4.92	205.04	87.64	Run 10 SW Pt 1
6-Oct-07	13:31:00	7.10	11.97	188.50	4.75	209.09	89.41	Run 10 SW Pt 1
6-Oct-07	13:31:30	7.20	11.92	189.12	4.42	212.12	91.36	Run 10 SW Pt 1
6-Oct-07	13:32:00	7.09	11.96	189.52	4.24	212.09	90.61	Run 10 SW Pt 1
Average:	**13:32:00**	**7.16**	**11.92**	**186.32**	**5.60**	**191.76**	**82.35**	**Run 10 SW**
Maximum	13:32:00	7.29	12.04	189.52	12.49	212.12	91.36	Run 10 SW
Minimum	13:32:00	7.04	11.79	183.04	4.11	177.76	77.03	Run 10 SW
Std Dev	13:32:00	0.07	0.06	1.49	1.99	10.25	4.27	Run 10 SW
6-Oct-07	13:37:30	7.11	12.00	187.16	6.25	185.48	79.34	Run 10 NW Pt 3
6-Oct-07	13:38:00	7.05	12.00	185.92	5.20	182.69	77.83	Run 10 NW Pt 3
6-Oct-07	13:38:30	6.99	12.13	189.11	10.97	183.87	77.99	Run 10 NW Pt 3
6-Oct-07	13:39:00	7.21	11.93	190.85	13.23	183.28	78.98	Run 10 NW Pt 3
6-Oct-07	13:39:30	7.12	11.95	189.26	7.11	179.46	76.84	Run 10 NW Pt 3
6-Oct-07	13:40:00	7.05	12.06	189.07	5.68	183.78	78.31	Run 10 NW Pt 3
6-Oct-07	13:40:30	7.34	11.81	188.07	5.61	179.65	78.18	Run 10 NW Pt 3
6-Oct-07	13:41:00	7.27	11.83	185.92	4.12	176.12	76.24	Run 10 NW Pt 3

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00	
6-Oct-07	13:41:30	7.07	12.00	187.08	4.12	180.92	77.21	Run 10 NW Pt 2
6-Oct-07	13:42:00	7.24	11.89	190.58	5.56	184.45	79.68	Run 10 NW Pt 2
6-Oct-07	13:42:30	7.06	12.01	188.75	5.96	185.40	79.05	Run 10 NW Pt 2
6-Oct-07	13:43:00	6.97	12.14	187.59	6.93	189.96	80.45	Run 10 NW Pt 2
6-Oct-07	13:43:30	7.24	11.88	189.71	6.17	187.41	80.94	Run 10 NW Pt 2
6-Oct-07	13:44:00	7.25	11.86	189.07	4.39	188.31	81.42	Run 10 NW Pt 2
6-Oct-07	13:44:30	7.00	12.05	189.20	5.27	189.15	80.31	Run 10 NW Pt 2
6-Oct-07	13:45:00	6.91	12.17	190.51	13.21	195.61	82.51	Run 10 NW Pt 2
6-Oct-07	13:45:30	6.96	12.14	191.04	15.08	197.53	83.62	Run 10 NW Pt 1
6-Oct-07	13:46:01	7.21	11.93	191.87	8.51	194.48	83.81	Run 10 NW Pt 1
6-Oct-07	13:46:30	7.25	11.86	191.00	4.48	189.21	81.78	Run 10 NW Pt 1
6-Oct-07	13:47:00	7.32	11.81	190.30	3.64	184.33	80.07	Run 10 NW Pt 1
6-Oct-07	13:47:30	7.19	11.88	189.79	3.33	181.57	78.12	Run 10 NW Pt 1
6-Oct-07	13:48:00	7.11	12.01	190.28	4.93	184.40	78.89	Run 10 NW Pt 1
6-Oct-07	13:48:30	7.08	12.01	190.28	6.55	183.49	78.34	Run 10 NW Pt 1
6-Oct-07	13:49:00	7.27	11.85	189.62	6.20	182.57	79.06	Run 10 NW Pt 1
Average:	**13:49:01**	**7.14**	**11.97**	**189.25**	**6.77**	**185.55**	**79.54**	**Run 10 NW**
Maximum	13:49:01	7.34	12.17	191.87	15.08	197.53	83.81	Run 10 NW
Minimum	13:49:01	6.91	11.81	185.92	3.33	176.12	76.24	Run 10 NW
Std Dev	13:49:01	0.12	0.11	1.60	3.19	5.17	2.01	Run 10 NW
6-Oct-07	13:58:32	7.19	11.92	188.81	4.26	213.07	91.69	Run 10 NE Pt 3
6-Oct-07	13:59:02	7.23	11.89	188.91	3.61	214.29	92.47	Run 10 NE Pt 3
6-Oct-07	13:59:32	7.06	12.05	190.73	7.04	210.98	89.94	Run 10 NE Pt 3
6-Oct-07	14:00:02	7.13	11.95	190.92	15.08	205.88	88.24	Run 10 NE Pt 3
6-Oct-07	14:00:32	6.92	12.18	190.52	30.46	207.33	87.50	Run 10 NE Pt 3
6-Oct-07	14:01:02	7.09	12.06	192.05	33.22	204.81	87.51	Run 10 NE Pt 3
6-Oct-07	14:01:32	7.26	11.86	191.16	17.45	194.85	84.31	Run 10 NE Pt 3
6-Oct-07	14:02:02	7.01	12.04	189.54	7.45	193.11	82.06	Run 10 NE Pt 3
6-Oct-07	14:02:32	6.98	12.15	190.44	7.48	198.06	83.94	Run 10 NE Pt 2
6-Oct-07	14:03:03	7.01	12.09	191.76	8.74	195.42	83.00	Run 10 NE Pt 2
6-Oct-07	14:03:32	7.17	11.97	191.72	7.80	191.06	82.10	Run 10 NE Pt 2
6-Oct-07	14:04:02	7.07	12.03	191.00	5.30	188.42	80.37	Run 10 NE Pt 2
6-Oct-07	14:04:32	7.00	12.11	193.51	4.00	189.37	80.40	Run 10 NE Pt 2
6-Oct-07	14:05:03	7.26	11.90	194.30	4.13	187.39	81.04	Run 10 NE Pt 2
6-Oct-07	14:05:32	7.28	11.86	192.11	3.66	183.06	79.29	Run 10 NE Pt 2
6-Oct-07	14:06:02	7.17	11.94	191.25	3.34	181.84	78.15	Run 10 NE Pt 2
6-Oct-07	14:06:32	7.13	12.00	192.90	3.87	184.40	79.02	Run 10 NE Pt 1
6-Oct-07	14:07:03	7.31	11.83	192.68	3.86	182.86	79.42	Run 10 NE Pt 1
6-Oct-07	14:07:32	7.28	11.84	191.02	3.36	181.79	78.74	Run 10 NE Pt 1
6-Oct-07	14:08:02	7.26	11.91	191.66	3.21	182.84	79.08	Run 10 NE Pt 1
6-Oct-07	14:08:32	7.11	11.97	191.47	3.57	180.36	77.14	Run 10 NE Pt 1
6-Oct-07	14:09:02	7.18	11.97	192.14	4.74	185.41	79.72	Run 10 NE Pt 1
6-Oct-07	14:09:32	7.14	11.96	192.06	4.54	186.08	79.81	Run 10 NE Pt 1
6-Oct-07	14:10:02	7.30	11.85	191.70	4.44	186.55	80.92	Run 10 NE Pt 1
Average:	**14:10:05**	**7.15**	**11.97**	**191.43**	**8.11**	**192.88**	**82.74**	**Run 10 NE**
Maximum	14:10:05	7.31	12.18	194.30	33.22	214.29	92.47	Run 10 NE
Minimum	14:10:05	6.92	11.83	188.81	3.21	180.36	77.14	Run 10 NE
Std Dev	14:10:05	0.11	0.10	1.29	8.15	10.89	4.48	Run 10 NE
6-Oct-07	14:14:31	7.39	11.76	192.29	4.56	179.13	78.26	Run 10 SE Pt 3
6-Oct-07	14:15:00	7.13	11.97	189.82	4.38	178.48	76.50	Run 10 SE Pt 3
6-Oct-07	14:15:30	7.16	11.97	191.17	7.35	183.02	78.57	Run 10 SE Pt 3
6-Oct-07	14:16:00	7.26	11.87	191.61	6.33	182.52	78.96	Run 10 SE Pt 3
6-Oct-07	14:16:30	7.34	11.80	190.39	3.29	179.72	78.22	Run 10 SE Pt 3
6-Oct-07	14:17:00	7.11	11.96	188.74	4.73	181.25	77.54	Run 10 SE Pt 3
6-Oct-07	14:17:30	7.12	12.02	191.50	8.01	190.08	81.40	Run 10 SE Pt 3
6-Oct-07	14:18:00	7.16	11.95	192.31	7.60	186.35	80.00	Run 10 SE Pt 3
6-Oct-07	14:18:30	7.28	11.88	190.70	5.85	187.64	81.29	Run 10 SE Pt 2
6-Oct-07	14:19:00	7.11	11.98	190.14	4.45	188.28	80.57	Run 10 SE Pt 2

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00	
6-Oct-07	14:19:30	7.17	11.98	191.81	5.24	192.76	82.81	Run 10 SE Pt 2
6-Oct-07	14:20:00	7.15	11.97	191.36	5.15	193.71	83.14	Run 10 SE Pt 2
6-Oct-07	14:20:30	7.28	11.85	191.00	3.96	196.40	85.07	Run 10 SE Pt 2
6-Oct-07	14:21:00	7.12	11.97	189.92	3.59	199.15	85.29	Run 10 SE Pt 2
6-Oct-07	14:21:30	7.15	11.98	191.40	3.28	204.46	87.75	Run 10 SE Pt 2
6-Oct-07	14:22:00	7.26	11.88	193.56	3.24	206.42	89.28	Run 10 SE Pt 2
6-Oct-07	14:22:30	7.23	11.91	191.10	3.52	205.75	88.77	Run 10 SE Pt 1
6-Oct-07	14:23:00	7.27	11.87	192.39	4.01	205.78	89.07	Run 10 SE Pt 1
6-Oct-07	14:23:30	7.31	11.81	191.90	4.54	206.07	89.46	Run 10 SE Pt 1
6-Oct-07	14:24:00	7.04	12.04	190.83	4.33	210.73	89.70	Run 10 SE Pt 1
6-Oct-07	14:24:30	7.10	12.03	193.57	4.92	214.49	91.70	Run 10 SE Pt 1
6-Oct-07	14:25:00	7.18	11.94	194.42	4.71	209.92	90.25	Run 10 SE Pt 1
6-Oct-07	14:25:30	7.22	11.90	192.87	3.99	209.58	90.41	Run 10 SE Pt 1
6-Oct-07	14:26:00	7.17	11.93	191.71	3.78	206.94	88.96	Run 10 SE Pt 1
Average:	**14:26:01**	**7.20**	**11.93**	**191.52**	**4.78**	**195.78**	**84.29**	**Run 10 SE**
Maximum	14:26:01	7.39	12.04	194.42	8.01	214.49	91.70	Run 10 SE
Minimum	14:26:01	7.04	11.76	188.74	3.24	178.48	76.50	Run 10 SE
Std Dev	14:26:01	0.09	0.07	1.30	1.36	11.86	5.03	Run 10 SE
6-Oct-07	14:29:46	0.04	-0.04	4.01	47.23	2.23	0.63	Cal:47.3 CO
6-Oct-07	14:29:56	0.04	-0.04	4.01	47.02	2.04	0.58	Cal:47.3 CO
6-Oct-07	14:30:06	0.04	-0.05	4.00	47.01	2.10	0.59	Cal:47.3 CO
Average:	**14:30:08**	**0.04**	**-0.04**	**4.01**	**47.08**	**2.12**	**0.60**	**Cal:47.3 CO**
Gas Value:	14:30:08	0	0	#N/A	47.3	#N/A	#N/A	47.3 CO
Diff%ofSpan	14:30:08	0.17%	-0.24%	#N/A	-0.23%	#N/A	#N/A	
6-Oct-07	14:33:00	0.04	8.79	252.81	0.59	0.88	0.25	Cal:244 Nox 9.02 CO2
6-Oct-07	14:33:10	0.03	8.80	253.02	0.17	0.81	0.23	Cal:244 Nox 9.02 CO2
6-Oct-07	14:33:22	0.03	8.80	253.02	-0.02	0.56	0.16	Cal:244 Nox 9.02 CO2
Average:	**14:33:24**	**0.03**	**8.80**	**252.95**	**0.25**	**0.75**	**0.21**	**Cal:244 Nox 9.02 CO2**
Gas Value:	14:33:24	#N/A	9.02	244	#N/A	#N/A	#N/A	244 Nox 9.02 CO2
Diff%ofSpan	14:33:24	#N/A	-1.26%	1.78%	#N/A	#N/A	#N/A	
6-Oct-07	14:36:25	12.88	0.00	4.82	-0.02	0.71	0.52	Cal:13.0 O2
6-Oct-07	14:36:35	12.89	0.00	4.06	0.14	0.50	0.37	Cal:13.0 O2
6-Oct-07	14:36:45	12.90	-0.01	4.07	0.14	0.78	0.58	Cal:13.0 O2
6-Oct-07	14:36:55	12.89	-0.02	4.07	0.14	1.04	0.76	Cal:13.0 O2
Average:	**14:37:00**	**12.89**	**-0.01**	**4.26**	**0.10**	**0.76**	**0.56**	**Cal:13.0 O2**
Gas Value:	14:37:00	13	0	0	0	0	#N/A	13.0 O2
Diff%ofSpan	14:37:00	-0.49%	-0.04%	0.84%	0.11%	0.15%	#N/A	
6-Oct-07	14:43:30	7.23	11.92	194.40	4.95	187.41	80.87	Run 11 SE Pt 3
6-Oct-07	14:44:00	7.25	11.85	191.66	4.61	184.96	79.97	Run 11 SE Pt 3
6-Oct-07	14:44:30	7.24	11.86	191.55	4.44	186.39	80.52	Run 11 SE Pt 3
6-Oct-07	14:45:00	7.10	12.00	192.24	4.17	194.80	83.30	Run 11 SE Pt 3
6-Oct-07	14:45:30	7.11	11.97	193.31	4.31	196.66	84.12	Run 11 SE Pt 3
6-Oct-07	14:46:00	6.95	12.12	194.71	4.11	201.46	85.20	Run 11 SE Pt 3
6-Oct-07	14:46:30	7.01	12.09	196.89	4.87	204.19	86.76	Run 11 SE Pt 3
6-Oct-07	14:47:00	7.20	11.91	195.65	5.31	199.92	86.07	Run 11 SE Pt 3
6-Oct-07	14:47:30	7.23	11.89	192.59	4.18	201.34	86.92	Run 11 SE Pt 2
6-Oct-07	14:48:00	7.32	11.78	191.84	3.38	200.31	87.06	Run 11 SE Pt 2
6-Oct-07	14:48:30	7.07	12.01	191.32	3.34	203.62	86.84	Run 11 SE Pt 2
6-Oct-07	14:49:00	7.14	11.97	195.00	4.21	206.01	88.36	Run 11 SE Pt 2
6-Oct-07	14:49:30	7.28	11.85	195.79	4.08	201.40	87.23	Run 11 SE Pt 2
6-Oct-07	14:50:00	7.06	11.99	193.59	4.22	201.54	85.91	Run 11 SE Pt 2
6-Oct-07	14:50:30	7.03	12.09	195.42	9.63	211.40	89.91	Run 11 SE Pt 2
6-Oct-07	14:51:00	7.11	11.96	196.18	10.16	204.56	87.56	Run 11 SE Pt 2
6-Oct-07	14:51:30	7.10	12.00	194.71	14.66	206.54	88.30	Run 11 SE Pt 1
6-Oct-07	14:52:00	7.20	11.92	194.70	18.54	206.13	88.74	Run 11 SE Pt 1
6-Oct-07	14:52:30	7.27	11.83	194.43	12.14	200.96	86.99	Run 11 SE Pt 1
6-Oct-07	14:53:00	7.24	11.86	192.85	7.24	198.04	85.56	Run 11 SE Pt 1

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00	
6-Oct-07	14:53:31	7.05	12.01	191.69	5.92	196.80	83.83	Run 11 SE Pt 1
6-Oct-07	14:54:00	7.19	11.95	193.96	5.43	200.16	86.14	Run 11 SE Pt 1
6-Oct-07	14:54:30	7.39	11.73	193.15	4.44	192.65	84.16	Run 11 SE Pt 1
6-Oct-07	14:55:00	7.23	11.86	191.41	4.28	188.63	81.42	Run 11 SE Pt 1
Average:	**14:55:01**	**7.17**	**11.93**	**193.71**	**6.36**	**199.00**	**85.49**	**Run 11 SE**
Maximum	14:55:01	7.39	12.12	196.89	18.54	211.40	89.91	Run 11 SE
Minimum	14:55:01	6.95	11.73	191.32	3.34	184.96	79.97	Run 11 SE
Std Dev	14:55:01	0.11	0.10	1.68	3.89	6.88	2.71	Run 11 SE
6-Oct-07	15:02:32	7.06	12.04	196.95	7.47	192.69	82.13	Run 11 NE Pt 3
6-Oct-07	15:03:02	7.16	11.95	196.01	7.77	191.74	82.33	Run 11 NE Pt 3
6-Oct-07	15:03:34	7.24	11.90	194.99	5.00	192.06	82.97	Run 11 NE Pt 3
6-Oct-07	15:04:02	7.26	11.83	194.64	3.60	190.50	82.40	Run 11 NE Pt 3
6-Oct-07	15:04:32	7.12	11.99	193.99	4.03	195.10	83.54	Run 11 NE Pt 3
6-Oct-07	15:05:02	7.28	11.83	196.32	4.58	193.07	83.66	Run 11 NE Pt 3
6-Oct-07	15:05:32	7.16	11.93	193.98	3.76	190.00	81.60	Run 11 NE Pt 3
6-Oct-07	15:06:02	7.20	11.93	194.30	3.75	185.62	79.96	Run 11 NE Pt 3
6-Oct-07	15:06:32	7.13	11.94	193.64	3.95	180.59	77.40	Run 11 NE Pt 2
6-Oct-07	15:07:02	7.08	12.00	193.28	6.39	180.62	77.14	Run 11 NE Pt 2
6-Oct-07	15:07:32	7.15	11.98	193.24	14.58	179.64	77.08	Run 11 NE Pt 2
6-Oct-07	15:08:02	7.28	11.84	193.53	13.09	175.87	76.18	Run 11 NE Pt 2
6-Oct-07	15:08:32	7.16	11.94	192.53	7.83	175.64	75.42	Run 11 NE Pt 2
6-Oct-07	15:09:02	7.20	11.90	192.17	6.63	178.15	76.74	Run 11 NE Pt 2
6-Oct-07	15:09:32	7.07	12.01	191.84	4.65	181.58	77.49	Run 11 NE Pt 2
6-Oct-07	15:10:02	6.96	12.11	192.86	5.84	186.80	79.09	Run 11 NE Pt 2
6-Oct-07	15:10:33	7.18	11.96	195.83	10.40	190.44	81.87	Run 11 NE Pt 1
6-Oct-07	15:11:02	7.18	11.88	193.84	7.64	188.13	80.92	Run 11 NE Pt 1
6-Oct-07	15:11:32	6.85	12.22	193.88	7.03	195.81	82.20	Run 11 NE Pt 1
6-Oct-07	15:12:02	6.98	12.12	200.23	8.92	199.99	84.77	Run 11 NE Pt 1
6-Oct-07	15:12:33	7.13	12.01	199.84	6.74	200.71	85.98	Run 11 NE Pt 1
6-Oct-07	15:13:02	7.30	11.86	196.14	4.85	198.06	85.94	Run 11 NE Pt 1
6-Oct-07	15:13:32	7.18	11.89	193.88	4.73	196.87	84.67	Run 11 NE Pt 1
6-Oct-07	15:14:02	7.06	12.05	193.32	10.46	202.78	86.42	Run 11 NE Pt 1
6-Oct-07	15:14:33	7.24	11.90	195.87	13.70	199.82	86.31	Run 11 NE Pt 1
Average:	**15:14:51**	**7.15**	**11.96**	**194.68**	**7.10**	**189.69**	**81.37**	**Run 11 NE**
Maximum	15:14:51	7.30	12.22	200.23	14.58	202.78	86.42	Run 11 NE
Minimum	15:14:51	6.85	11.83	191.84	3.60	175.64	75.42	Run 11 NE
Std Dev	15:14:51	0.11	0.10	2.10	3.20	8.17	3.47	Run 11 NE
6-Oct-07	15:21:30	7.28	11.85	193.88	11.81	193.62	83.89	Run 11 NW Pt 3
6-Oct-07	15:22:01	7.32	11.81	192.28	7.02	189.51	82.33	Run 11 NW Pt 3
6-Oct-07	15:22:30	7.35	11.79	193.22	4.34	183.88	80.09	Run 11 NW Pt 3
6-Oct-07	15:23:00	7.56	11.60	195.83	3.85	176.83	78.20	Run 11 NW Pt 3
6-Oct-07	15:23:30	7.52	11.61	193.08	4.01	174.05	76.74	Run 11 NW Pt 3
6-Oct-07	15:24:00	7.12	11.94	189.94	3.67	175.87	75.31	Run 11 NW Pt 3
6-Oct-07	15:24:30	7.11	12.01	194.69	4.26	179.27	76.70	Run 11 NW Pt 3
6-Oct-07	15:25:00	7.24	11.90	195.32	4.05	177.28	76.55	Run 11 NW Pt 3
6-Oct-07	15:25:30	7.28	11.82	194.92	3.53	175.77	76.16	Run 11 NW Pt 2
6-Oct-07	15:26:00	6.94	12.12	193.91	5.95	179.85	76.02	Run 11 NW Pt 2
6-Oct-07	15:26:30	6.98	12.14	197.74	9.76	187.12	79.33	Run 11 NW Pt 2
6-Oct-07	15:27:00	7.22	11.91	197.69	9.15	186.14	80.31	Run 11 NW Pt 2
6-Oct-07	15:27:30	7.12	11.93	193.03	5.79	185.66	79.49	Run 11 NW Pt 2
6-Oct-07	15:28:00	7.07	12.05	195.71	4.77	191.99	81.90	Run 11 NW Pt 2
6-Oct-07	15:28:30	7.04	12.03	199.84	4.82	191.56	81.55	Run 11 NW Pt 2
6-Oct-07	15:29:00	7.09	12.03	199.61	5.09	195.03	83.30	Run 11 NW Pt 2
6-Oct-07	15:29:30	7.30	11.83	197.05	5.01	192.77	83.62	Run 11 NW Pt 1
6-Oct-07	15:30:00	7.12	11.94	194.24	4.37	192.75	82.50	Run 11 NW Pt 1
6-Oct-07	15:30:30	7.12	12.00	196.18	3.99	198.24	84.86	Run 11 NW Pt 1
6-Oct-07	15:31:00	7.32	11.81	195.99	3.63	192.09	83.44	Run 11 NW Pt 1
6-Oct-07	15:31:30	7.19	11.89	194.28	3.08	187.52	80.71	Run 11 NW Pt 1

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00	
6-Oct-07	15:32:00	7.05	12.03	195.53	3.37	185.09	78.84	Run 11 NW Pt 1
6-Oct-07	15:32:30	7.05	12.05	197.16	10.11	185.91	79.22	Run 11 NW Pt 1
6-Oct-07	15:33:00	7.19	11.92	196.01	13.76	182.73	78.61	Run 11 NW Pt 1
Average:	**15:33:04**	**7.19**	**11.92**	**195.30**	**5.80**	**185.86**	**79.99**	**Run 11 NW**
Maximum	15:33:04	7.56	12.14	199.84	13.76	198.24	84.86	Run 11 NW
Minimum	15:33:04	6.94	11.60	189.94	3.08	174.05	75.31	Run 11 NW
Std Dev	15:33:04	0.16	0.14	2.27	2.93	6.95	2.85	Run 11 NW
6-Oct-07	15:37:33	7.11	11.97	194.99	6.79	189.20	80.95	Run 11 SW Pt 3
6-Oct-07	15:38:03	7.32	11.84	195.46	8.73	194.47	84.46	Run 11 SW Pt 3
6-Oct-07	15:38:33	7.49	11.63	193.28	7.08	191.63	84.29	Run 11 SW Pt 3
6-Oct-07	15:39:03	7.17	11.90	192.09	3.83	191.97	82.47	Run 11 SW Pt 3
6-Oct-07	15:39:33	7.19	11.93	195.29	3.33	197.44	84.96	Run 11 SW Pt 3
6-Oct-07	15:40:03	7.28	11.81	198.22	3.36	199.26	86.33	Run 11 SW Pt 3
6-Oct-07	15:40:33	7.17	11.93	198.12	4.41	202.26	86.91	Run 11 SW Pt 3
6-Oct-07	15:41:03	7.21	11.88	196.04	4.18	202.42	87.23	Run 11 SW Pt 3
6-Oct-07	15:41:34	7.17	11.94	194.92	3.93	204.81	88.05	Run 11 SW Pt 2
6-Oct-07	15:42:03	7.34	11.76	194.70	3.95	204.32	88.92	Run 11 SW Pt 2
6-Oct-07	15:42:33	7.26	11.82	192.91	3.99	203.40	87.97	Run 11 SW Pt 2
6-Oct-07	15:43:03	7.12	11.98	194.29	11.31	208.86	89.46	Run 11 SW Pt 2
6-Oct-07	15:43:34	7.00	12.02	197.47	12.05	211.89	89.97	Run 11 SW Pt 2
6-Oct-07	15:44:03	6.81	12.25	199.98	12.62	217.63	91.16	Run 11 SW Pt 2
6-Oct-07	15:44:33	6.89	12.18	202.92	16.00	215.45	90.72	Run 11 SW Pt 2
6-Oct-07	15:45:03	6.98	12.11	202.56	12.35	210.43	89.17	Run 11 SW Pt 2
6-Oct-07	15:45:34	6.99	12.09	201.68	24.19	205.41	87.10	Run 11 SW Pt 2
6-Oct-07	15:46:03	7.16	11.95	201.06	22.28	198.75	85.33	Run 11 SW Pt 2
6-Oct-07	15:46:33	7.35	11.76	197.59	9.61	189.81	82.67	Run 11 SW Pt 1
6-Oct-07	15:47:03	7.22	11.87	195.85	5.43	184.18	79.41	Run 11 SW Pt 1
6-Oct-07	15:47:33	7.34	11.80	196.87	5.61	179.87	78.28	Run 11 SW Pt 1
6-Oct-07	15:48:03	7.18	11.87	195.12	5.41	174.00	74.83	Run 11 SW Pt 1
6-Oct-07	15:48:33	7.00	12.04	197.29	6.45	177.31	75.27	Run 11 SW Pt 1
Average:	**15:49:00**	**7.16**	**11.93**	**196.90**	**8.56**	**198.03**	**85.04**	**Run 11 SW**
Maximum	15:49:00	7.49	12.25	202.92	24.19	217.63	91.16	Run 11 SW
Minimum	15:49:00	6.81	11.63	192.09	3.33	174.00	74.83	Run 11 SW
Std Dev	15:49:00	0.16	0.14	3.04	5.86	11.92	4.69	Run 11 SW
6-Oct-07	15:52:14	12.92	0.00	3.87	-0.02	2.53	1.87	Cal:13.0 O2
6-Oct-07	15:52:24	12.93	0.00	3.89	0.01	2.63	1.95	Cal:13.0 O2
6-Oct-07	15:52:34	12.92	0.00	3.87	0.14	1.97	1.45	Cal:13.0 O2
Average:	**15:52:35**	**12.92**	**0.00**	**3.88**	**0.04**	**2.38**	**1.76**	**Cal:13.0 O2**
Gas Value:	15:52:35	13	0	0	0	0	#N/A	13.0 O2
Diff%ofSpan	15:52:35	-0.35%	0.00%	0.77%	0.05%	0.46%	#N/A	
6-Oct-07	15:55:41	0.09	8.78	253.87	-0.02	0.58	0.16	Cal:244 Nox 9.02 CO2
6-Oct-07	15:55:52	0.08	8.79	253.85	-0.02	0.24	0.07	Cal:244 Nox 9.02 CO2
6-Oct-07	15:56:01	0.07	8.79	253.83	-0.02	0.27	0.08	Cal:244 Nox 9.02 CO2
6-Oct-07	15:56:11	0.08	8.79	253.95	-0.02	0.01	0.00	Cal:244 Nox 9.02 CO2
6-Oct-07	15:56:21	0.07	8.80	254.83	-0.02	0.37	0.10	Cal:244 Nox 9.02 CO2
6-Oct-07	15:56:31	0.07	8.80	254.84	-0.03	0.57	0.16	Cal:244 Nox 9.02 CO2
6-Oct-07	15:56:41	0.07	8.80	254.84	-0.03	0.20	0.06	Cal:244 Nox 9.02 CO2
6-Oct-07	15:56:51	0.07	8.80	254.83	-0.02	0.35	0.10	Cal:244 Nox 9.02 CO2
6-Oct-07	15:57:01	0.07	8.80	254.78	-0.17	0.08	0.02	Cal:244 Nox 9.02 CO2
Average:	**15:57:09**	**0.07**	**8.80**	**254.40**	**-0.04**	**0.30**	**0.08**	**Cal:244 Nox 9.02 CO2**
Gas Value:	15:57:09	#N/A	9.02	244	#N/A	#N/A	#N/A	244 Nox 9.02 CO2
Diff%ofSpan	15:57:09	#N/A	-1.27%	2.06%	#N/A	#N/A	#N/A	
6-Oct-07	16:00:44	0.03	0.00	4.27	46.89	-0.02	-0.01	Cal:
6-Oct-07	16:00:55	0.03	-0.01	3.74	47.01	-0.34	-0.10	Cal:
6-Oct-07	16:01:04	0.02	-0.02	3.78	47.01	-0.15	-0.04	Cal:
6-Oct-07	16:01:14	0.02	-0.03	3.80	47.02	-0.02	-0.01	Cal:
Average:	**16:01:16**	**0.02**	**-0.01**	**3.90**	**46.98**	**-0.13**	**-0.04**	**Cal:**

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00	
Gas Value:	16:01:16							
Diff%ofSpan	16:01:16	0.11%	-0.08%	0.77%	49.82%	-0.03%	#DIV/0!	
6-Oct-07	16:07:30	7.08	11.98	199.17	4.96	215.85	92.18	Run 12 SW Pt 3
6-Oct-07	16:08:00	7.17	11.91	197.89	7.31	219.67	94.39	Run 12 SW Pt 3
6-Oct-07	16:08:30	7.05	12.01	196.95	7.24	222.80	94.89	Run 12 SW Pt 3
6-Oct-07	16:09:00	7.08	12.01	198.36	8.41	224.30	95.73	Run 12 SW Pt 3
6-Oct-07	16:09:31	7.18	11.92	198.13	6.71	217.34	93.45	Run 12 SW Pt 3
6-Oct-07	16:10:00	7.14	11.93	196.53	4.57	211.56	90.73	Run 12 SW Pt 3
6-Oct-07	16:10:30	7.24	11.86	196.64	6.69	208.41	90.00	Run 12 SW Pt 3
6-Oct-07	16:11:00	7.27	11.82	195.21	7.57	203.82	88.24	Run 12 SW Pt 3
6-Oct-07	16:11:30	7.29	11.79	194.52	7.14	199.59	86.53	Run 12 SW Pt 2
6-Oct-07	16:12:00	7.17	11.88	193.87	7.57	195.19	83.86	Run 12 SW Pt 2
6-Oct-07	16:12:30	6.95	12.07	196.05	11.48	197.97	83.76	Run 12 SW Pt 2
6-Oct-07	16:13:00	6.89	12.16	200.02	31.31	202.02	85.05	Run 12 SW Pt 2
6-Oct-07	16:13:31	6.85	12.18	203.61	46.96	194.81	81.78	Run 12 SW Pt 2
6-Oct-07	16:14:00	6.83	12.21	203.14	29.04	193.31	81.06	Run 12 SW Pt 2
6-Oct-07	16:14:30	7.11	11.96	200.31	20.49	186.96	80.00	Run 12 SW Pt 2
6-Oct-07	16:15:00	7.15	11.91	196.53	16.79	181.67	77.97	Run 12 SW Pt 2
6-Oct-07	16:15:30	7.22	11.86	195.86	15.93	180.06	77.63	Run 12 SW Pt 1
6-Oct-07	16:16:00	7.21	11.84	193.20	21.24	179.43	77.34	Run 12 SW Pt 1
6-Oct-07	16:16:30	7.18	11.87	192.29	24.45	180.13	77.44	Run 12 SW Pt 1
6-Oct-07	16:17:00	7.14	11.91	193.68	22.23	183.77	78.78	Run 12 SW Pt 1
6-Oct-07	16:17:31	7.11	11.95	195.73	36.30	186.78	79.93	Run 12 SW Pt 1
6-Oct-07	16:18:00	7.11	11.93	197.32	50.98	188.62	80.72	Run 12 SW Pt 1
6-Oct-07	16:18:30	7.09	11.96	197.21	25.86	188.89	80.70	Run 12 SW Pt 1
6-Oct-07	16:19:00	7.19	11.89	195.59	9.64	190.72	82.08	Run 12 SW Pt 1
Average:	**16:19:06**	**7.11**	**11.95**	**196.99**	**17.95**	**198.07**	**84.76**	**Run 12 SW**
Maximum	16:19:06	7.29	12.21	203.61	50.98	224.30	95.73	Run 12 SW
Minimum	16:19:06	6.83	11.79	192.29	4.57	179.43	77.34	Run 12 SW
Std Dev	16:19:06	0.12	0.11	2.82	13.32	14.42	6.17	Run 12 SW
6-Oct-07	16:24:31	7.54	11.56	197.25	4.47	174.36	77.02	Run 12 NW Pt 3
6-Oct-07	16:25:00	7.33	11.71	194.64	3.78	177.63	77.21	Run 12 NW Pt 3
6-Oct-07	16:25:30	7.32	11.76	193.96	5.44	183.81	79.87	Run 12 NW Pt 3
6-Oct-07	16:26:00	7.23	11.82	195.45	5.31	185.63	80.09	Run 12 NW Pt 3
6-Oct-07	16:26:30	7.21	11.86	197.20	6.38	189.27	81.55	Run 12 NW Pt 3
6-Oct-07	16:27:00	7.15	11.91	197.65	9.11	192.79	82.71	Run 12 NW Pt 3
6-Oct-07	16:27:30	7.20	11.88	195.71	13.85	195.13	84.01	Run 12 NW Pt 3
6-Oct-07	16:28:00	7.26	11.80	194.74	9.52	193.24	83.58	Run 12 NW Pt 3
6-Oct-07	16:28:31	7.09	11.96	193.55	5.82	196.89	84.14	Run 12 NW Pt 2
6-Oct-07	16:29:00	7.12	11.97	194.61	8.35	197.33	84.46	Run 12 NW Pt 2
6-Oct-07	16:29:31	7.16	11.93	195.23	8.20	197.44	84.77	Run 12 NW Pt 2
6-Oct-07	16:30:00	7.30	11.78	196.15	6.03	199.45	86.54	Run 12 NW Pt 2
6-Oct-07	16:30:30	7.05	12.00	195.23	4.66	200.36	85.35	Run 12 NW Pt 2
6-Oct-07	16:31:00	7.19	11.93	195.20	6.73	204.80	88.11	Run 12 NW Pt 2
6-Oct-07	16:31:30	7.21	11.83	193.98	7.32	201.47	86.86	Run 12 NW Pt 2
6-Oct-07	16:32:01	7.01	12.05	192.77	9.80	207.43	88.11	Run 12 NW Pt 2
6-Oct-07	16:32:30	6.96	12.10	194.39	19.64	212.51	89.95	Run 12 NW Pt 1
6-Oct-07	16:33:00	7.09	11.99	193.73	14.58	213.35	91.13	Run 12 NW Pt 1
6-Oct-07	16:33:30	7.12	11.98	193.15	9.11	218.29	93.44	Run 12 NW Pt 1
6-Oct-07	16:34:00	7.12	11.94	193.15	6.38	219.40	93.96	Run 12 NW Pt 1
6-Oct-07	16:34:30	7.16	11.94	194.75	4.17	220.74	94.78	Run 12 NW Pt 1
6-Oct-07	16:35:00	7.23	11.87	195.66	3.91	218.82	94.41	Run 12 NW Pt 1
6-Oct-07	16:35:30	7.25	11.84	193.68	4.11	213.66	92.34	Run 12 NW Pt 1
Average:	**16:36:00**	**7.19**	**11.89**	**194.86**	**7.68**	**200.60**	**86.28**	**Run 12 NW**
Maximum	16:36:00	7.54	12.10	197.65	19.64	220.74	94.78	Run 12 NW
Minimum	16:36:00	6.96	11.56	192.77	3.78	174.36	77.02	Run 12 NW
Std Dev	16:36:00	0.12	0.12	1.34	3.91	13.44	5.37	Run 12 NW
6-Oct-07	16:40:32	7.15	11.96	192.25	5.47	176.42	75.72	Run 12 NE Pt 3

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00	
6-Oct-07	16:41:02	7.21	11.87	193.14	4.96	177.59	76.52	Run 12 NE Pt 3
6-Oct-07	16:41:33	7.25	11.86	192.43	4.03	182.17	78.75	Run 12 NE Pt 3
6-Oct-07	16:42:02	7.24	11.85	192.92	4.02	183.92	79.43	Run 12 NE Pt 3
6-Oct-07	16:42:33	7.21	11.89	194.22	6.02	187.76	80.89	Run 12 NE Pt 3
6-Oct-07	16:43:02	7.21	11.91	195.05	8.52	191.23	82.44	Run 12 NE Pt 3
6-Oct-07	16:43:32	7.32	11.80	195.57	6.91	190.67	82.86	Run 12 NE Pt 3
6-Oct-07	16:44:02	7.25	11.83	195.46	4.36	189.92	82.10	Run 12 NE Pt 3
6-Oct-07	16:44:32	7.26	11.85	194.75	3.87	193.94	83.92	Run 12 NE Pt 2
6-Oct-07	16:45:02	7.23	11.85	193.25	3.61	194.41	83.89	Run 12 NE Pt 2
6-Oct-07	16:45:33	6.90	12.15	193.43	8.89	199.13	83.94	Run 12 NE Pt 2
6-Oct-07	16:46:02	7.11	11.99	195.12	23.84	202.24	86.55	Run 12 NE Pt 2
6-Oct-07	16:46:32	7.16	11.92	193.60	19.45	200.80	86.25	Run 12 NE Pt 2
6-Oct-07	16:47:02	7.21	11.88	194.82	15.10	194.49	83.80	Run 12 NE Pt 2
6-Oct-07	16:47:32	7.18	11.87	194.96	13.30	189.74	81.62	Run 12 NE Pt 2
6-Oct-07	16:48:02	7.12	11.95	194.47	13.73	187.31	80.23	Run 12 NE Pt 2
6-Oct-07	16:48:32	7.23	11.84	195.87	27.32	183.03	78.98	Run 12 NE Pt 1
6-Oct-07	16:49:03	7.22	11.86	196.06	21.52	180.88	77.98	Run 12 NE Pt 1
6-Oct-07	16:49:32	7.36	11.75	196.37	16.74	179.36	78.13	Run 12 NE Pt 1
6-Oct-07	16:50:02	7.40	11.68	195.08	9.13	180.52	78.88	Run 12 NE Pt 1
6-Oct-07	16:50:32	7.20	11.85	195.45	4.97	184.09	79.30	Run 12 NE Pt 1
6-Oct-07	16:51:02	7.20	11.88	195.94	4.64	189.15	81.43	Run 12 NE Pt 1
6-Oct-07	16:51:32	7.15	11.90	195.61	4.65	192.27	82.50	Run 12 NE Pt 1
6-Oct-07	16:52:02	7.13	11.94	196.09	4.34	194.69	83.42	Run 12 NE Pt 1
Average:	**16:52:03**	**7.20**	**11.88**	**194.66**	**9.97**	**188.57**	**81.23**	**Run 12 NE**
Maximum	16:52:03	7.40	12.15	196.37	27.32	202.24	86.55	Run 12 NE
Minimum	16:52:03	6.90	11.68	192.25	3.61	176.42	75.72	Run 12 NE
Std Dev	16:52:03	0.09	0.09	1.23	7.17	7.24	2.88	Run 12 NE
6-Oct-07	16:58:31	7.09	11.97	191.92	6.15	218.25	93.23	Run 12 SE Pt 3
6-Oct-07	16:59:00	7.27	11.83	191.13	5.11	217.68	94.21	Run 12 SE Pt 3
6-Oct-07	16:59:30	7.35	11.74	190.46	4.34	213.54	92.95	Run 12 SE Pt 3
6-Oct-07	17:00:00	7.31	11.74	189.90	3.84	210.50	91.38	Run 12 SE Pt 3
6-Oct-07	17:00:30	7.16	11.88	190.76	6.29	208.48	89.55	Run 12 SE Pt 3
6-Oct-07	17:01:00	7.12	11.93	192.42	7.83	206.45	88.41	Run 12 SE Pt 3
6-Oct-07	17:01:30	7.18	11.89	193.79	5.31	200.52	86.21	Run 12 SE Pt 3
6-Oct-07	17:02:00	7.17	11.90	192.12	4.86	191.91	82.46	Run 12 SE Pt 3
6-Oct-07	17:02:31	7.32	11.76	191.88	5.79	180.23	78.29	Run 12 SE Pt 2
6-Oct-07	17:03:00	7.23	11.82	191.90	4.79	175.04	75.56	Run 12 SE Pt 2
6-Oct-07	17:03:30	7.21	11.87	191.88	4.54	174.53	75.21	Run 12 SE Pt 2
6-Oct-07	17:04:00	7.29	11.80	191.22	4.12	172.46	74.76	Run 12 SE Pt 2
6-Oct-07	17:04:30	7.43	11.66	192.18	3.49	169.97	74.46	Run 12 SE Pt 2
6-Oct-07	17:05:00	7.19	11.83	192.43	3.29	169.40	72.92	Run 12 SE Pt 2
6-Oct-07	17:05:30	7.20	11.86	195.09	3.77	174.03	74.95	Run 12 SE Pt 2
6-Oct-07	17:06:00	7.17	11.90	195.29	3.87	176.37	75.79	Run 12 SE Pt 2
6-Oct-07	17:06:31	7.29	11.79	195.08	3.61	179.08	77.65	Run 12 SE Pt 1
6-Oct-07	17:07:00	7.28	11.78	193.47	4.36	180.11	78.03	Run 12 SE Pt 1
6-Oct-07	17:07:30	7.20	11.88	192.92	17.37	185.03	79.67	Run 12 SE Pt 1
6-Oct-07	17:08:00	7.43	11.68	194.08	18.71	185.21	81.12	Run 12 SE Pt 1
6-Oct-07	17:08:30	7.21	11.84	192.20	8.24	184.56	79.53	Run 12 SE Pt 1
6-Oct-07	17:09:00	7.19	11.91	192.50	7.97	189.92	81.76	Run 12 SE Pt 1
6-Oct-07	17:09:31	7.35	11.70	191.26	16.11	189.00	82.32	Run 12 SE Pt 1
6-Oct-07	17:10:00	7.04	12.01	189.26	13.25	194.16	82.65	Run 12 SE Pt 1
Average:	**17:10:04**	**7.24**	**11.83**	**192.30**	**6.96**	**189.43**	**81.79**	**Run 12 SE Pt 1**
Maximum	17:10:04	7.43	12.01	195.29	18.71	218.25	94.21	Run 12 SE Pt 1
Minimum	17:10:04	7.04	11.66	189.26	3.29	169.40	72.92	Run 12 SE Pt 1
Std Dev	17:10:04	0.10	0.09	1.57	4.59	15.75	6.68	Run 12 SE Pt 1
6-Oct-07	17:12:53	0.05	0.00	4.00	46.70	2.04	0.58	Cal:47.3 CO
6-Oct-07	17:13:02	0.05	-0.01	3.99	46.88	1.61	0.46	Cal:47.3 CO
6-Oct-07	17:13:12	0.06	-0.02	3.99	46.99	1.69	0.48	Cal:47.3 CO

Source Testing And Consulting Services, Inc. Lakeland Utilities

Instrumental Reference Method On-Line Data Lakeland Utilities Unit 3

	Parameter	O2	CO2	Nox	CO	SO2	0.00	Comments
	Units	%V,d	%V,d	ppmVd	ppmVd	ppmVd	0.00	
Average:	**17:13:13**	**0.05**	**-0.01**	**3.99**	**46.85**	**1.78**	**0.50**	**Cal:47.3 CO**
Gas Value:	17:13:13	0	0	#N/A	47.3	#N/A	#N/A	47.3 CO
Diff%ofSpan	17:13:13	0.24%	-0.07%	#N/A	-0.47%	#N/A	#N/A	
6-Oct-07	17:15:59	0.04	8.77	254.90	0.43	0.20	0.06	Cal:244 Nox 9.02 CO2
6-Oct-07	17:16:09	0.03	8.78	255.23	0.04	0.54	0.15	Cal:244 Nox 9.02 CO2
6-Oct-07	17:16:19	0.04	8.78	255.97	-0.12	0.50	0.14	Cal:244 Nox 9.02 CO2
Average:	**17:16:21**	**0.04**	**8.78**	**255.37**	**0.11**	**0.41**	**0.12**	**Cal:244 Nox 9.02 CO2**
Gas Value:	17:16:21	#N/A	9.02	244	#N/A	#N/A	#N/A	244 Nox 9.02 CO2
Diff%ofSpan	17:16:21	#N/A	-1.36%	2.26%	#N/A	#N/A	#N/A	
6-Oct-07	17:18:05	12.75	0.14	255.03	-0.03	0.17	0.12	Cal:13.0 O2
6-Oct-07	17:18:14	12.83	0.09	170.49	-0.14	-0.12	-0.09	Cal:13.0 O2
6-Oct-07	17:18:24	12.85	0.06	83.93	-0.09	-0.40	-0.29	Cal:13.0 O2
6-Oct-07	17:18:34	12.87	0.04	40.92	-0.03	0.22	0.16	Cal:13.0 O2
Average:	**17:18:35**	**12.82**	**0.08**	**137.59**	**-0.07**	**-0.03**	**-0.02**	**Cal:13.0 O2**
Gas Value:	17:18:35	13	0	0	0	0	#N/A	13.0 O2
Diff%ofSpan	17:18:35	-0.79%	0.47%	27.30%	-0.07%	-0.01%	#N/A	

Lakeland Electric Unit 3

RA Run Data Sheet

Run # Initial

Date 10/1/07

Port	Point	Start	Stop
	3		
	2		
	1		
	3		
	2		
	1		
	3		
	2		
	1		
	3		
	2		
	1		

Test Results

Port	O2	CO2	NOx	CO	SO2
Average					

Post-Run Calibration Check

Zero		-0.09	4.03	-0.05	-.24
QC	12.82	8.89 ~~8.99~~	~~246.0~~ 246.0	46.9	~~247.0~~ 247.0 17.4
Direct					
Z	0.07	-.16	2.89	-0.07	0.34
QC	~~0.057~~ 13.04	8.93	248.0	47.1	218.4

Lakeland Electric Unit 3
RA Run Data Sheet
Run # Preline

Date 10/5/07

Port	Point	Start	Stop
	3		
	2		
	1		
	3		
	2		
	1		
	3		
	2		
	1		
	3		
	2		
	1		

Test Results

Port	O2	CO2	NOx	CO	SO2
Average					

Post-Run Calibration Check

Zero	0.07	-0.02	4.93	0.06	-.17
QC	12.89	8.93	247.1	~~213~~ 46.95	213.6

P_b 29.90 - 15.01

Lakeland Electric Unit 3

RA Run Data Sheet

Run # 1

Date 10/5/07

4 min/pt

Port	Point	Start	Stop
SE	3	1510	1514
	2	1514	1518
	1	1518	1522
NE	3	1526 ~~1528~~	1530
	2	1530	1534
	1	1534	1538
NW	3	1542	1546
	2	1546	1550
	1	1550	1554
SW	3	1558	1602
	2	1602	1606
	1	1606	1610

T_m 84

T_s 150.1

V 28.599

% M = 13.8%

Test Results

Port	O2	CO2	NOx	CO	SO2
SE	7.15	12.02	185.16	6.11	179.91
NE	7.64	11.60	178.29	8.30	187.54
NW	8.95	10.46	164.16	5.22	157.77
SW	7.23	11.98	182.8	9.44	184.90
Average	7.74	11.52	177.63	7.32	177.53

- port leakage @ pt1

Post-Run Calibration Check

Zero	0.02	-0.07	4.04	0.09	-1.38
QC	12.89	8.92	249.82	47.09	216.86

Lakeland Electric Unit 3

RA Run Data Sheet

Run # 2

Date 10/5/07

Port	Point	Start	Stop
SW	3	1632	1636
	2	1636	1640
	1	1640	1644
NW	3	1650	1654
	2	1654	1658
	1	1658	1702
NE	3	1710	1714
	2	1714	1718
	1	1718	1722
SE	3	1728	1732
	2	1732	1736
	1	1736	1740

%M = 13.15

Test Results

Port	O2	CO2	NOx	CO	SO2
SW	7.37	11.75	184.09	6.14	179.37
NW	7.50	11.73	184.4	3.93	173.45
NE	7.34	11.87	185.93	6.50	187.27
SE	7.39	11.83	182.46	7.26	182.76
Average	7.40	11.82	184.37	5.96	180.71

Post-Run Calibration Check

Zero	6.68	-0.05	3.96	0.09	-0.75
QC	12.97	8.91	245.89	46.99	214.82

Lakeland Electric Unit 3
RA Run Data Sheet
Run # 3

Date 10/5/07

Port	Point	Start	Stop
SE	3	1801	1805
	2	1805	1809
	1	1809	1813
NE	3	1818	1822
	2	1822	1826
	1	1826	1830
NW	3	1834	1838
	2	1838	1842
	1	1842	1846
SW	3	1850	1854
	2	1854	1858
	1	1858	1902

%M=

Test Results

Port	O2	CO2	NOx	CO	SO2
SE	7.31	11.94	183.8	7.6	184.66
NE	7.31	11.94	185.87	5.05	186.91
NW	7.33	11.93	185.89	6.66	197.37
SW	7.32	11.94	185.59	7.32	171.02
Average					

Post-Run Calibration Check

Zero	0.01	-0.06	3.90	0.13	-1.75
QC	12.93	8.92	246.22	46.34	214.91

P_{bar} 29.96 18:42

Lakeland Electric Unit 3
RA Run Data Sheet
Run # 4

Date 10/5/07

Port	Point	Start	Stop
SW	3	1924	1928
	2	1928	1932
	1	1932	1936
NW	3	1944	1948
	2	1948	1952
	1	1952	1956
NE	3	2000	2004
	2	2004	2008
	1	2008	2012
SE	3	2026	2024
	2	2024	2028
	1	2028	2032

wait for lightning to clear

% N =

Test Results

Port	O2	CO2	NOx	CO	SO2
SW	7.26	11.95	194.69	6.59	180.05
NW	7.28	11.98	193.41	9.92	189.34
NE	7.41	11.81	180.91	5.22	156.9
SE	7.34	11.91	182.52	9.47	162.03
Average	7.32	11.91	192.99	7.80	172.08

use 195.0 poss. lbe wet ? filter from rai

Post-Run Calibration Check

Zero	0.07	-0.03	3.99	-0.06	-0.76
QC	12.94	8.94	246.19	46.58	214.29

Lakeland Electric Unit 3
RA Run Data Sheet
Run # 5

Date 10/5/07

Port	Point	Start	Stop
SE	3	2050	2054
	2	2054	2058
	1	2058	2102
NE	3	2106	2110
	2	2110	2114
	1	2114	2118
NW	3	21283	2127
	2	2127	2131
	1	2131	2135
SW	3	2140 39	2143 43
	2	2143	2147
	1	2147	2151

%M =

Test Results

Port	O2	CO2	NOx	CO	SO2
SE	7.40	11.85	183.59	6.32	176.15
NE	7.35	11.92	186.4	12.10	191.83
NW	7.45	11.83	185.61	7.60	181.36
SW	7.38	11.90	185.41	7.54	178.53
Average	7.40	11.88	185.25	8.40	181.97

Post-Run Calibration Check

Zero	0.07	-0.06	4.05	-0.85	-1.32
QC	12.95	8.93	246.11	46.66	214.75

P_b = 30.00 2125

Lakeland Electric Unit 3
RA Run Data Sheet
Run # 6

Date 10/5/07

Port	Point	Start	Stop
SW	3	2210	2214
	2	2214	2218
	1	2218	2222
NW	3	2226	2230
	2	2230	2234
	1	2234	2238
NE	3	2245	2249
	2	2249	2253
	1	2253	2257
SE	3	2302	2306
	2	2306	2310
	1	2310	2314

Test Results

Port	O2	CO2	NOx	CO	SO2
SW	7.43	11.85	194.75	17.35	177.66
NW	7.41	11.86	193.92	8.10	176.24
NE	7.45	11.81	182.56	2.75	178.80
SE	7.35	11.89	194.05	8.24	180.64
Average					

Post-Run Calibration Check

Zero	0.08	-0.04	4.11	-0.09	-.78
QC	12.87	8.90	242.0	96.43	214.61

Lakeland Electric Unit 3

RA Run Data Sheet

Run # PRELIM

Date 10/6/07

Port	Point	Start	Stop
	3		
	2		
	1		
	3		
	2		
	1		
	3		
	2		
	1		
	3		
	2		
	1		

Test Results

Port	O2	CO2	NOx	CO	SO2
Average					

PRELIM

~~Post-Run~~ Calibration Check

LINE

Zero	0.05	-0.09	3.93	0.13	0.71
QC	13.05	8.81	250.91	47.31	212.35

Direct					
ZERO	0.05	-0.19	2.88	-0.05	-0.04
QC	12.97	8.44	250.01	47.03	218.12

Lakeland Electric Unit 3
RA Run Data Sheet

Run # 7

Date 10/6/07

Port	Point	Start	Stop
SE	3	9:09	0913
	2	0913	0917
	1	0917	0921
NE	3	0926	0930
	2	0930	0934
	1	0934	0938
NW	3	0943	0947
	2	0947	0951
	1	0951	0955
SW	3	1000	1004
	2	1004	1008
	1	1008	1012

Test Results

Port	O2	CO2	NOx	CO	SO2
SE	7.41	11.85	188.48	4.03	158.89
NE	7.32	11.91	189.97	4.95	174.99
NW	7.40	11.85	188.26	3.87	180.02
SW	7.35	11.89	190.64	5.16	190.86
Average	7.37	11.89	=	4.53	=

Post-Run Calibration Check

Zero	0.09	-0.01	~~3.39~~	0.14	~~3.20~~
QC	13.05	8.84	~~251.86~~	47.42	=

P_b 29.96 09:32

Lakeland Electric Unit 3
RA Run Data Sheet
Run # 8

Date 10/4/07

Port	Point	Start	Stop
SW	3	1030	1034
	2	1034	1038
	1	1038	1042
NW	3	1048	1052
	2	1052	1056
	1	1056	1100
NE	3	1105	1109
	2	1109	1113
	1	1113	1117
SE	3	1121	1125
	2	1125	1129
	1	1129	1133

Test Results

Port	O2	CO2	NOx	CO	SO2
SW	7.36	11.86	–	3.68	–
NW	7.36	11.87	–	4.13	–
NE	7.35	11.91	–	6.62	–
SE	7.35	11.90	–	4.96	–
Average	7.36	11.89	–	4.95	–

Post-Run Calibration Check

Zero	0.05	0.01	–	-0.03	–
QC	13.00	8.93	–	46.99	–

P_b 29.88 12:23

Lakeland Electric Unit 3
RA Run Data Sheet

Run # 9

Date 10/6/07

Port	Point	Start	Stop
SE	3	1148	1152
	2	~~1152~~ 1152	1156
	1	1156	1200
NE	3	1204	1208
	2	1208	1212
	1	1212	1216
NW	3	1220	1224
	2	1224	1228
	1	1228	1232
SW	3	1236	1240
	2	1240	1244
	1	1244	1248

Test Results

Port	O2	CO2	NOx	CO	SO2
SE	7.34	11.89	-	5.87	-
NE	7.28	11.93	-	9.04	-
NW	7.23	11.92	-	3.91	-
SW	7.16	11.84	-	5.82	-
Average	7.25	11.92	-	6.14	-

Post-Run Calibration Check

Zero	8.09	-0.01	-	-0.63	-
QC	12.82	8.83	-	46.72	-

29.88 12:36

Lakeland Electric Unit 3
RA Run Data Sheet

Run # 10

Date 10/6/07

Port	Point	Start	Stop
SW	3	1320	1324
	2	1324	1328
	1	1328	1332
NW	3	1337	1341
	2	1341	1345
	1	1345	1349
NE	3	1358	1402
	2	1402	1406
	1	1406	1410
SE	3	1414	1418
	2	1418	1422
	1	1422	1426

Test Results

Port	O2	CO2	NOx	CO	SO2
SW	7.16	11.92	–	5.60	–
NW	7.14	11.97	–	6.77	–
NE	7.15	11.97	–	8.11	–
SE	7.20	11.93	–	4.78	–
Average	7.16	11.95	–	6.32	–

Post-Run Calibration Check

Zero	0.03	-0.01	–	0.10	–
QC	12.99	8.80	–	47.08	–

P_b 29.85 @ 14:12

Lakeland Electric Unit 3
RA Run Data Sheet
Run # 11

Date 10/06/07

Port	Point	Start	Stop
SE	3	1443	1447
	2	1447	1451
	1	1451	1455
NE	3	1502	1506
	2	1506	1510
	1	1510	1514
NW	3	1521	1525
	2	1525	1529
	1	1529	1533
SW	3	1537	1541
	2	1541	1545
	1	1545	1549

Test Results

Port	O2	CO2	NOx	CO	SO2
SE	7.17	11.93	–	6.36	–
NE	7.15	11.96	–	7.10	–
NW	7.19	11.92	–	5.80	–
SW	7.26	11.93	–	8.56	–
Average	7.17	11.94	–	7.00	–

Post-Run Calibration Check

Zero		0.0	–	0.04	–
QC	12.92	8.90	–	46.98	–

29.85 1449

Lakeland Electric Unit 3
RA Run Data Sheet
Run # 12

Date 10/6/07

Port	Point	Start	Stop
SW	3	1607	1611
	2	1611	1615
	1	1615	1619
NW	3	1624	1628
	2	1628	1632
	1	1632	1636
NE	3	1640	1644
	2	1644	1648
	1	1648	1652
SE	3	1658	1702
	2	1702	1706
	1	1706	1710

Test Results

Port	O2	CO2	NOx	CO	SO2
SW	7.11	11.95	–	17.95	–
NW	7.19	11.89	–	7.68	–
NE	7.20	11.88	–	9.97	–
SE	7.24	11.83	–	6.96	–
Average	7.19	11.89	–	10.64	–

Post-Run Calibration Check

Zero	0.04	0.08	–	-0.07	–
QC	12.82	8.78	–	46.05	–

Pb 29.80 1621

STACS ISOKINETIC SAMPLING FIELD DATA SHEET

Facility:	LAKELAND UTILITIES	Meter #:	A-3	Baro. Press:	29.70	Page #:	1 of
Unit:	#3	DH@:	1.616	Ambient Temp:	77	Pitot LC:	NA
Location:	STACK	DGM Factor:	.9967	Nozzle Dia:	NA		
Test Type:	MOISTURE - RATAS	Pitot #:	NA	Static P:	NA		
Run #:		Pitot Coef:	NA	Stack Dimensions:	18		
Condition:	FULL LOAD			Stack Height:	~225		
Operator(s):	MMD	K-Factor:		Init. Leak Check:	See ATTACHED @		"Hg
Date:	5/10/2007	Filter#:		Final Leak Check:	@		"Hg

Traverse Point Number	Time	Gas Meter Reading Vm(ft3)	Velocity Head (°H2O)	Orifice Press. (°H2O)	Stack Temp (F)	Probe Temp (F)	Filter Temp (F)	Impinger Temp (F)	Dry Gas Meter Temp. Inlet (F)	Dry Gas Meter Temp. Outlet (F)	Vacuum ("Hg)
	1511	44.410									
	1516	45.0	NA	1.76	149	NA	NA	51	81	NA	2
	1521	45.6			150			54	82		2
	1526	52.3			151			57	82		2
	1531	55.78			151			57	83		2
	1536	59.28			151			58	85		2
	1541	62.79			151			58	85		2
	1546	66.32			151			59	86		2
	1551	70.009			152			59	87		2
		28.599			150.8				84		
	1632	70.158									
	1637	74.23			151			55	70		2
	1642	77.91			151			50	75		2
	1647	81.77			150			53	77		2
	1652	85.56			150			54	77		2
	1657	89.37			150			55	81		2
	1702	93.1			150			56	81		2
	1707	96.76			150			55	81		2
	1712	100.655			150			55	81		2
	30.49	29.497			150.3				80.6		
	1810	00.760									
	1811	4.12			149			57	78		2
	1816	8.49			149			57	79		2
	1821	11.94			150			58	80		2
	1826	15.53			150			55	80		2
	1831	19.1			151			55	80		2
	1836	22.79			150			56	80		2
	1841	26.37			150			57	80		2
	1846	29.945			149			57	81		2
		24.195			149.8				79.8		
	1927	30.123									
	1932				149			59	79		2
	1937				150			54	79		2
	1942	40.915			150			54	79		2
	1947				150			53	79		2
	1953	47.87			150			53	80		2
	1957				150			53	80		2
	2002	54.93			150			54	80		2
	2007	57.987			150			56	80		2
		60.769			149				79.8		

Avg/Tot					
Impinger	1	2	3	4	5
Final					
Initial					
Total					
ORSAT/CEM	1	2	3	4	
O2					
CO2					

Total Traverse Point %'s

8 Point (4.4) (14.6) (29.6) (70.4) (85.4) (95.6)

12 Point (2.1)(6.7)(11.8)(17.7)(25.0)(35.6)(64.4)(75.0)(82.3)(88.2)(93.3)(97.9)

Note: Nearest upstream disturbance or exit must be 2 duct diameters away and nearest downstream disturbance must be at least 8 diameters away to use 6 points per traverse.

STACS ISOKINETIC SAMPLING FIELD DATA SHEET

Facility:	LAKELAND UTILITIES	Meter #:	45	Baro. Press:	29.76
Unit:	#3	DH@:	1.7619	Ambient Temp:	73
Location:	STACK	DGM Factor:	.9967	Nozzle Dia:	NA
Test Type:	MOISTURE RATES	Pitot #:	NA	Static P:	NA
Run #:	5-8	Pitot Coef:		Stack Dimensions:	18"
Condition:	FULL LOAD			Stack Height:	~225
Operator(s):	MOD / WEK	K-Factor:		Init. Leak Check:	cfm@ "Hg
Date:	10-5-07	Filter#:		Final Leak Check:	cfm@ "Hg

Page #: | Pitot LC: NA

Traverse Point Number	Time	Gas Meter Reading Vm(ft3)	Velocity Head ("H2O)	Orifice Press. ("H2O)	Stack Temp (F)	Probe Temp (F)	Filter Temp (F)	Impinger Temp (F)	Dry Gas Meter Temp. Inlet (F)	Dry Gas Meter Temp. Outlet (F)	Vacuum ("Hg)
	2037	59.021									
	2042	62.4	NA	1.76	150	NA	NA	55	79	NA	2
R5	2047	66.6			151			56	79		2
	2052	70.4			151			56	79		2
	2057	73.65			151			57	80		2
	2102	76.8			151			57	80		2
	2107	80.0			151			57	80		2
	2112	84.5			151			58	80		2
	2117	89.406			151			58	80		2
		30.405			150.9				79.5		2
	2210	89.515									
	2215	93.5			151			60	78		2
	2220	97.31			151			58	79		2
R6	2225	100.71			151			57	79		2
	2230	104.4			151			57	79		2
	2235	108.11			151			57	80		2
	2240	111.4			151			57	80		2
	2245	113.5			151			58	80		2
	2250	[illegible]			151			59	80		2
XX	29.752	[illegible] END Vol			151				79.4		
	0915	19.368									2
	0920	23.19			149			59	73		2
R7	0925	27.06			149			56	74		2
	0930	30.151			149			54	75		2
	0935	34.52			150			54	75		2
	0940	38.22			151			54	77		2
	0945	41.4			151			52	79		2
	0950	45.4			151			51	81		2
	0955	49.026			151			55	83		2
	TO	29.658			150.1				77.12		
	1035	49.663									
	1040				153				84		2
	1045				153				84		2
	1050				153				84		2
	1055	64.4			153				85		2
	1100				152				85		2
	1105	71.			152				86		2
	1110				153				87		2
	1115	78.15			153				88		2
		29.694			152.6				85.4		
Avg/Tot.											

Impinger	1	2	3	4	5	Total
Final						
Initial						
Total						

ORSAT/CEM	1	2	3	4
O2				
CO2				

Traverse Point %'s
6 Point (4.4) (14.6) (29.6) (70.4) (85.4) (95.6)
12 Point (2.1)(6.7)(11.8)(17.7)(25.0)(35.6)(64.4)(75.0)(82.3)(88.2)(93.3)(97.9)

Note: Nearest upstream disturbance or exit must be 2 duct diameters away and nearest downstream disturbance must be at least 8 diameters away to use 6 points per traverse.

Best Available Copy

RUNS 9 – R

START TIME → 1151

MOISTURE DATA

R9

	Time		V_m	ΔH	T_s	T_m	Vac	Exit
.002 @ 8" Hg	START		78.833	1.76	152	90	2	59
.003 @ 7" Hg	5	1156	82.54		152	90	2	57
100 86	10	1201	86.48		152	91	2	56
100 8	15	1206	90.2		152	91	2	56
MT Ø	20	1211	93.9		152	91	2	56
SG 5.4	25	1216	97.4		152	91	2	56
TOT 99.4	30	1221	101.7		151	93	2	57
	35	1226	105.0		152	96	2	57
	40	1231	108.526					
			29.693		** 152.9	91.6 *		

R10

	Time	V_m	T_s	T_m	Vac	Exit
.004 @ 8" Hg	1322	8.641				
.002 @ 5" Hg		12.39	150	95	2	63
100 85	1327	16.14	150	96	2	60
100 6	1332	19.81	150	96	2	58
MT	1337	23.64	150	97	2	58
SG 4.8	1342	27.39	150	97	2	58
TOT 95.8	1347	31.14	150	97	2	57
	1352	34.95	150	97	2	59
	1357	38.653	150	97		59
	1402					
		* 29.012	* 150	96.5		

R11

	Time	V_m	T_s	T_m	Vac	Exit
.004 @ 10" Hg	1444	37.740				
.002 @ 7" Hg	1449	41.08	151	95	2	62
100 80.0	1454	44.87	151	96	2	59
100 8Ø	1459	49.82	150	97	2	57
MT	1504	53.57	151	97	2	57
SG 5.9	1509	57.32	151	98	2	57
TOT 93.9	1514	60.61	151	97	2	57
	1519	64.36	151	97	2	57
	1524	67.674	151	97	2	57
		29.934	* 150.9	96.8		

R12

	Time	V_m	T_s	T_m	Vac	Exit
.004 @ 6" Hg						
.002 @ 5" Hg	1607	67.814	151	97	2	62
	1612	71.42	150	97	2	60
100 78	1617	75.07	150	97	2	59
100 8	1622	78.64	150	97	2	57
MT	1627	82.2	149	98	2	57
SG 6.0	1632	85.84	149	98	2	57
TOT 92.0	1637	89.74	149	98	2	57
	1642	93.77	149	98		
	1647	96.711				
		28.897	149.5	97.8		

APPENDIX C
CALIBRATION AND CERTIFICATION DATA

NATIONAL SPECIALTY GASES

P. O. Box 12013
Research Triangle Park, N.C. 27709
Phone 919/544-3772

CERTIFICATE OF ANALYSIS: EPA PROTOCOL GAS MIXTURE

Customer:	National Welders, Raleigh, NC	Reference #	88-109350	
NSG PO#	6010451	Certification Date:	04/12/07	
Customer PO#		Expiration Date:	04/12/10	
Cylinder #	CC109862	Pressure, psig*	1700	CGA 590
ANALYTICAL INFORMATION		Product Code:	781381	

METHOD: This standard was analyzed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards: Procedure G1 (September 1997)

ANALYZED CYLINDER

Components	Certified Concentration	Analytical Accuracy**
Oxygen	22.4%	+/-1%
Carbon Dioxide	17.68%	+/-1%
Balance - Nitrogen		

REFERENCE STANDARD

Type/SRM Sample #	Cylinder #	Concentration	
GMIS (Traceable to SRM # 2659a)	CC46336	20.03 %	O2/N2
GMIS (Traceable to SRM # 1675b)	CC75258	14.07 %	CO2/N2

INSTRUMENTATION

Instrument/Model/Serial #		Last Date Calibrated	Analytical Method
Horiba MPA - 510 O2	41499150042	04/05/07	Paramagnetic
Horiba VIA-510 CO2	42399380022	04/05/07	Non-dispersive Infrared

Analyst: Nathan Stairs

This report states accurately the results of the investigation made upon the material submitted to the analytical laboratory. Every effort has been made to determine objectively the information requested. However, in connection with this report, *National Specialty Gases shall have no liability in excess of established charge for* this service. Assayed at National Specialty Gases, 630 United Drive, Durham, NC 27713 (919) 544-3772

*Do not use this standard when cylinder pressure is below 150 psig.

**Analytical accuracy includes typical known error sources which, at least, include precision of the analytical instrument.

NSG 020149L

NATIONAL SPECIALTY GASES

P. O. Box 12013
Research Triangle Park, N.C. 27709
Phone 919/544-3772

CERTIFICATE OF ANALYSIS: EPA PROTOCOL GAS MIXTURE

Customer:	National Welders, Raleigh, NC	Reference #	88-110448	
NSG PO#	6051594	Certification Date:	05/25/07	
Customer PO#		Expiration Date:	05/25/10	
Cylinder #	CC114566	Pressure, psig*	1400	CGA 590
ANALYTICAL INFORMATION		Product Code:	781381	

METHOD: This standard was analyzed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards: Procedure G1 (September 1997)

ANALYZED CYLINDER

Components	Certified Concentration	Analytical Accuracy**
Oxygen	13.03 %	+/-1%
Carbon Dioxide	10.02 %	+/-1%
Balance - Nitrogen		

REFERENCE STANDARD

Type/SRM Sample #	Cylinder #	Concentration	
GMIS (Traceable to SRM # 1674b)	*CC2892*	*9.767 %*	*CO2/N2*
GMIS (Traceable to SRM # 2659a)	CC46336	20.03 %	O2/N2

INSTRUMENTATION

Instrument/Model/Serial #		Last Date Calibrated	Analytical Method
Horiba MPA - 510 O2	41499150042	05/04/07	Paramagnetic
Horiba VIA-510 CO2	42399380022	05/03/07	Non-dispersive Infrared

Analyst: Nicole Ishak

This report states accurately the results of the investigation made upon the material submitted to the analytical laboratory. Every effort has been made to determine objectively the information requested. However, in connection with this report, National Specialty Gases shall have no liability in excess of established charge for this service. Assayed at National Specialty Gases, 630 United Drive, Durham, NC 27713 (919) 544-3772

*Do not use this standard when cylinder pressure is below 150 psig.

**Analytical accuracy includes typical known error sources which, at least, include precision of the analytical instrument.

NATIONAL SPECIALTY GASES

P. O. Box 12013
Research Triangle Park, N.C. 27709
Phone 919/544-3772

CERTIFICATE OF ANALYSIS: EPA PROTOCOL GAS MIXTURE

Customer:	National Welders, Raleigh, NC	Reference #	88-107914	
NSG PO#	5820478	Certification Date:	01/09/07	
Customer PO#		Expiration Date:	01/09/10	
Cylinder #	CC29903	Pressure, psig*	2000	CGA 350
ANALYTICAL INFORMATION		Product Code:	780524	

METHOD: This standard was analyzed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards: Procedure G1 (September 1997)

ANALYZED CYLINDER

Components	Certified Concentration	Analytical Accuracy**
Carbon Monoxide	47.3 ppm	+/-1%
Balance - Nitrogen		

REFERENCE STANDARD

Type/SRM Sample #	Cylinder #	Concentration	
GMIS (Traceable to SRM # 1678c)	CC160208	51.03 ppm	CO/N2

INSTRUMENTATION

Instrument/Model/Serial #	Last Date Calibrated	Analytical Method
Rosemount 880A CO 2000172	12/28/06	Non-dispersive Infrared

Analyst: BPM Brian P. Moore

This report states accurately the results of the investigation made upon the material submitted to the analytical laboratory. Every effort has been made to determine objectively the information requested. However, in connection with this report, National Specialty Gases shall have no liability in excess of established charge for this service. Assayed at National Specialty Gases, 630 United Drive, Durham, NC 27713 (919) 544-3772

*Do not use this standard when cylinder pressure is below 150 psig.

**Analytical accuracy includes typical known error sources which, at least, include precision of the analytical instrument.

NSG 020149L

NATIONAL SPECIALTY GASES

P. O. Box 12013
Research Triangle Park, N.C. 27709
Phone 919/544-3772

CERTIFICATE OF ANALYSIS: EPA PROTOCOL GAS MIXTURE

Customer:	National Welders, Raleigh, NC	Reference #	88-109423	
NSG PO#	5948709	Certification Date:	03/26/07	
Customer PO#		Expiration Date:	03/26/09	
Cylinder #	CC21483	Pressure, psig*	2000	CGA 660
ANALYTICAL INFORMATION		Product Code:	781381	

METHOD: This standard was analyzed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards: Procedure G1 (September 1997)

ANALYZED CYLINDER

Components	Certified Concentration	Analytical Accuracy**
Nitric Oxide	98.2 ppm	+/-1%
Nitrogen Dioxide	0.4 ppm	
Carbon Monoxide	94.3 ppm	+/-1%
Balance - Nitrogen		

REFERENCE STANDARD

Type/SRM Sample #	Cylinder #	Concentration	
GMIS (Traceable to SRM # 1679C)	CC117163	99.97 ppm	CO/N2
GMIS (Traceable to SRM # 1684B)	SG9115373BAL	101 ppm	NO/N2

INSTRUMENTATION

Instrument/Model/Serial #		Last Date Calibrated	Analytical Method
TECO 42CHL NOX	CHL-63965-341	03/19/07	Chemiluminescence
Rosemount 880A CO	2000172	03/01/07	Non-dispersive Infrared

Analyst: Nicole Ishak

This report states accurately the results of the investigation made upon the material submitted to the analytical laboratory. Every effort has been made to determine objectively the information requested. However, in connection with this report, National Specialty Gases shall have no liability in excess of established charge for this service. Assayed at National Specialty Gases, 630 United Drive, Durham, NC 27713 (919) 544-3772

*Do not use this standard when cylinder pressure is below 150 psig.

**Analytical accuracy includes typical known error sources which, at least, include precision of the analytical instrument.

NATIONAL SPECIALTY GASES

P. O. Box 12013
Research Triangle Park, N.C. 27709
Phone 919/544-3772

CERTIFICATE OF ANALYSIS: EPA PROTOCOL GAS MIXTURE

Customer:	National Welders, Raleigh, NC	Reference #	88-107324	
NSG PO#:		Certification Date:	11/27/06	
Customer PO#:		Expiration Date:	11/27/08	
Cylinder #	CC129661	Pressure, psig*	2000	CGA 660
ANALYTICAL INFORMATION		Product Code:	782263	

METHOD: This standard was analyzed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards: Procedure G1 (September 1997)

ANALYZED CYLINDER

Components	Certified Concentration	Analytical Accuracy**
Sulfur Dioxide	219 PPM	+/-1%
Balance - Nitrogen		

REFERENCE STANDARD

Type/SRM Sample #	Cylinder #	Concentration	
GMIS (Traceable to SRM # 1661a)	CC50272	505.7 ppm	SO2/N2

INSTRUMENTATION

Instrument/Model/Serial #		Last Date Calibrated	Analytical Method
KVB Analect	EN-844	11/10/06	Fourier Transform Infrared

Analyst: NS Nathan Stairs

This report states accurately the results of the investigation made upon the material submitted to the analytical laboratory. Every effort has been made to determine objectively the information requested. However, in connection with this report, National Specialty Gases shall have no liability in excess of established charge for this service. Assayed at National Specialty Gases, 630 United Drive, Durham, NC 27713 (919) 544-3772

*Do not use this standard when cylinder pressure is below 150 psig.

**Analytical accuracy includes typical known error sources which, at least, include precision of the analytical instrument.

NSG 020149L

NATIONAL SPECIALTY GASES

P. O. Box 12013
Research Triangle Park, N.C. 27709
Phone 919/544-3772

CERTIFICATE OF ANALYSIS: EPA PROTOCOL GAS MIXTURE

Customer:	National Welders, Raleigh, NC	Reference #	88-111844	
NSG PO#	6197515	Certification Date:	08/22/07	
Customer PO#		Expiration Date:	08/22/10	
Cylinder #	CC117590	Pressure, psig*	2000	CGA 660
ANALYTICAL INFORMATION		Product Code:	782264	

METHOD: This standard was analyzed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards: Procedure G1 (September 1997)

ANALYZED CYLINDER

Components	Certified Concentration	Analytical Accuracy**
Sulfur Dioxide	512 PPM	+/-1%
Balance - Nitrogen		

REFERENCE STANDARD

Type/SRM Sample #	Cylinder #	Concentration	
NTRM(Batch # 060611)	CC206089	475 ppm	SO2/N2

INSTRUMENTATION

Instrument/Model/Serial #		Last Date Calibrated	Analytical Method
KVB Analect	EN-844A	08/13/07	Fourier Transform Infrared

Analyst: Jesse Powell

This report states accurately the results of the investigation made upon the material submitted to the analytical laboratory. Every effort has been made to determine objectively the information requested. However, in connection with this report, National Specialty Gases shall have no liability in excess of established charge for this service. Assayed at National Specialty Gases, 630 United Drive, Durham, NC 27713 (919) 544-3772

*Do not use this standard when cylinder pressure is below 150 psig.

**Analytical accuracy includes typical known error sources which, at least, include precision of the analytical instrument.

NATIONAL SPECIALTY GASES

P. O. Box 12013
Research Triangle Park, N.C. 27709
Phone 919/544-3772

CERTIFICATE OF ANALYSIS: EPA PROTOCOL GAS MIXTURE

Customer:	National Welders, Raleigh, NC	Reference #	88-111037	
NSG PO#	6123423	Certification Date:	07/03/07	
Customer PO#		Expiration Date:	07/03/09	
Cylinder #	CC211124	Pressure, psig*	2000	CGA 660
ANALYTICAL INFORMATION		Product Code:	782405	

METHOD: This standard was analyzed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards: Procedure G1 (September 1997)

ANALYZED CYLINDER

Components	Certified Concentration	Analytical Accuracy**
Nitric Oxide	244 PPM	+/-1%
Nitrogen Dioxide	<1.0 PPM	
Carbon Dioxide	9.02 %	+/-1%
Balance - Nitrogen		

REFERENCE STANDARD

Type/SRM Sample #	Cylinder #	Concentration	
GMIS (Traceable to NTRM # 81685)	ALM011140	300.4 ppm	NO/N2
GMIS (Traceable to SRM # 1674b)	CC2892	9.767 %	CO2/N2

INSTRUMENTATION

Instrument/Model/Serial #		Last Date Calibrated	Analytical Method
KVB Analect	EN-844A	06/14/07	Fourier Transform Infrared

Analyst: Jesse Powell

This report states accurately the results of the investigation made upon the material submitted to the analytical laboratory. Every effort has been made to determine objectively the information requested. However, in connection with this report, National Specialty Gases shall have no liability in excess of established charge for this service. Assayed at National Specialty Gases, 630 United Drive, Durham, NC 27713 (919) 544-3772

*Do not use this standard when cylinder pressure is below 150 psig.

**Analytical accuracy includes typical known error sources which, at least, include precision of the analytical instrument.

NSG 020149L

NATIONAL SPECIALTY GASES

P. O. Box 12013
Research Triangle Park, N.C. 27709
Phone 919/544-3772

CERTIFICATE OF ANALYSIS: EPA PROTOCOL GAS MIXTURE

Customer:	National Welders, *Raleigh*, NC	Reference #	88-108986	
NSG PO#:	5014076	Certification Date:	03/02/07	
Customer PO#		Expiration Date:	03/02/09	
Cylinder #:	CC109641	Pressure, psig*	2000	CGA 660
ANALYTICAL INFORMATION		Product Code:	782406	

METHOD: This standard was analyzed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards: Procedure G1 (September 1997)

ANALYZED CYLINDER

Components	Certified Concentration	Analytical Accuracy**
Nitric Oxide	504 PPM	+/-1%
Nitrogen Dioxide	<1.0 PPM	
Carbon Dioxide	9.18%	+/-1%
Balance - Nitrogen		

REFERENCE STANDARD

Type/SRM Sample #	Cylinder #	Concentration	
GMIS (Traceable to SRM # 2735)	CC50573	509.1 ppm	NO/N2
GMIS (Traceable to SRM # 1675b)	CC117896	14.08 %	CO2/N2

INSTRUMENTATION

Instrument/Model/Serial #		Last Date Calibrated	Analytical Method
KVB Analect	EN-844	02/09/07	Fourier Transform Infrared

Analyst: Nathan Stairs

This report states accurately the results of the investigation made upon the material submitted to the analytical laboratory. Every effort has been made to determine objectively the information requested. However, in connection with this report, National Specialty Gases shall have no liability in excess of established charge for this service. Assayed at National Specialty Gases, 630 United Drive, Durham, NC 27713 (919) 544-3772

*Do not use this standard when cylinder pressure is below 150 psig.

**Analytical accuracy includes typical known error sources which, at least, include precision of the analytical instrument.

Site: **Lakeland Electric McIntosh Plant**
Unit: **Unit 3**
Reference Method Calibration Error - Linearity
Date: **10/5/2007**

Linearity (Calibration Error)		Analyzer Span	Expected Value	Analyzer Response	Difference	Difference % of Span	Allowable Difference
CO2, vol % dry	Zero	17.68	0.00	-0.16	-0.16	-0.90%	+/- 2%
	Mid	17.67	9.02	8.93	-0.09	-0.51%	+/- 2%
	Span	17.68	17.68	17.78	0.10	0.57%	+/- 2%
CO, ppmv	Zero	94.3	0.0	-0.07	-0.1	-0.07%	+/- 2%
	Mid	94.3	47.3	46.07	-1.2	-1.30%	+/- 2%
	Span	94.3	94.3	96.23	1.9	2.05%	+/- 2%

Site: **Lakeland Electric McIntosh Plant**
Unit: **Unit 3**
Reference Method Calibration Error - Linearity
Date: **10/6/2007**

Linearity (Calibration Error)		Analyzer Span	Expected Value	Analyzer Response	Difference	Difference % of Span	Allowable Difference
CO2, vol % dry	Zero	17.68	0.00	-0.19	-0.19	-1.07%	+/- 2%
	Mid	17.67	9.02	8.94	-0.08	-0.45%	+/- 2%
	Span	17.68	17.68	17.92	0.24	1.36%	+/- 2%
CO, ppmv	Zero	94.3	0.0	-0.05	-0.1	-0.05%	+/- 2%
	Mid	94.3	47.3	47.0	-0.3	-0.29%	+/- 2%
	Span	94.3	94.3	93.65	-0.6	-0.69%	+/- 2%

Source Testing And Consulting Services
Meter Box Calibration

Calibration Date: 1/17/2007
Meter Box: A5
Technician: MAD

Orifice ID	Y Calibration	Delta H @ Cal.	Vac
73	pass	pass	
40	pass	pass	
48	pass	pass	
55	pass	pass	
63	pass	pass	

PART 1: Orifice Calibration

Calibration Orifice Set: D1 Critical Vacuum: 13.9
Barometric Pressure (in. Hg): 29.920

Collected Data

Orifice ID	Run #	Delta H	Initial Meter Volume (cu ft)	Final Meter Volume (cu ft)	Init Meter Temp (F)	Final Meter Temp (F)	Init Amb Temp (F)	Final Amb Temp (F)	Run Time min	Run Time sec	K Factor	Vac
73	1	3.60	35.111	43.638	66.00	67.00	62.00	61.00	8	0	0.8150	
73	2	3.60	43.747	51.239	67.00	68.00	61.00	62.00	7	0	0.8150	
40	1	0.30	51.239	61.218	68.00	67.00	62.00	62.00	32	0	0.2396	
40	2	0.30	61.218	69.316	66.00	66.00	62.00	62.00	26	0	0.2396	
48	1	0.64	69.316	77.927	66.00	66.00	65.00	63.00	19	0	0.3485	
48	2	0.64	77.927	88.374	66.00	66.00	63.00	63.00	23	0	0.3485	
55	1	1.10	88.374	102.163	66.00	66.00	65.00	66.00	23	0	0.4606	
55	2	1.10	102.163	110.555	66.00	66.00	66.00	67.00	14	0	0.4606	
63	1	1.90	110.555	119.017	66.00	67.00	67.00	68.00	11	0	0.5945	
63	2	1.90	119.017	127.586	67.00	68.00	68.00	67.00	11	0	0.59	

Calculated Data

Orifice ID	Run #	Meter Volume (cu ft)	Meter Volume (std cu ft)	Corrected Meter Volume (std cu ft)	Ave Meter Temp (F)	Ave Amb Temp (F)	Y	Delta H @
73	1	8.527	8.62350	8.54244	66.5	61.5	0.9906	1.8127
73	2	7.492	7.56242	7.47464	67.5	61.5	0.9884	1.8092
	AVE						0.9895	1.8110
40	1	9.979	9.99182	10.04068	67.5	62	1.0049	1.7182
40	2	8.098	8.13153	8.15805	66	62	1.0033	1.7231
	AVE						1.0041	1.7206
48	1	8.611	8.65387	8.65471	66	64	1.0001	1.7471
48	2	10.447	10.49901	10.48676	66	63	0.9988	1.7437
	AVE						0.9995	1.7454
55	1	13.789	13.87330	13.82697	66	65.5	0.9967	1.7278
55	2	8.392	8.44330	8.40842	66	66.5	0.9959	1.7311
	AVE						0.9963	1.7295
63	1	8.462	8.52232	8.51912	66.5	67.5	0.9996	1.8036
63	2	8.569	8.61372	8.51912	67.5	67.5	0.9890	1.8002
	AVE						0.9943	1.8019
					Average for All Runs		0.9967	1.7617

Source Testing And Consulting Services
Meter Box Calibration

Calibration Date: 1/17/2007
Meter Box: A5
Technician: MAD

PART 2: Thermocouple Calibration

T/C Calibrator Make: Tegam T/C Calibrator Model: 840A

Calibrator Output (F)	Meter Reading (F)	Error (F)	Allowable Error (F)	Result
0.0	0	0	9.24	pass
32.0	32	0	9.88	pass
70.0	72	2	10.64	pass
100.0	102	2	11.24	pass
200.0	201	1	13.24	pass
500.0	498	-2	19.24	pass
1200.0	1197	-3	33.24	pass
1995.0	1990	-5	49.24	pass

APPENDIX D
PLANT CEMS DATA

Site Name: MPP3
Data Averaging Type: 1m

Time of Report: 10/05/07 16
Rolling Average Interval: 1

Run 1

Date	Time	LOAD (MW)	COA (ppm)
10/05/07	15:10	361	4.3
	15:11	362	5.4
	15:12	363	4.9
	15:13	363	4.7
	15:14	363	4.3
	15:15	363	3.9
	15:16	363	4.9
	15:17	364	5.0
	15:18	363	7.0
	15:19	362	5.6
	15:20	361	5.4*
	15:21	359	2.1*
	15:22	357	3.4*
	15:23	357	5.7*
	15:24	359	5.2*
	15:25	360	4.5
	15:26	361	4.8
	15:27	361	6.9
	15:28	360	7.5
	15:29	360	7.7
	15:30	360	7.7
	15:31	360	6.5
	15:32	360	9.6
	15:33	359	15.6
	15:34	359	11.3
	15:35	359	8.5*
	15:36	358	2.2*
	15:37	357	4.3*
	15:38	356	5.8*
	15:39	356	7.0*
	15:40	356	7.4
	15:41	356	6.0
	15:42	355	5.4
	15:43	355	4.8
	15:44	355	5.4
	15:45	356	6.9
	15:46	357	6.6
	15:47	360	6.0
	15:48	361	5.7
	15:49	361	6.7
	15:50	360	4.7*
	15:51	361	1.5*
	15:52	361	4.2*
	15:53	361	5.7*
	15:54	363	4.7*
	15:55	364	7.7
	15:56	364	9.2
	15:57	362	11.4
	15:58	361	10.2
	15:59	360	9.8

Plant Name: MPP

General Average Report

Reporting Period: 10/05/2007 to 10/05/2007

Site Name: MPPJ

Data Averaging Type: 1m

Time of Report: 10/05/07 15

Rolling Average Interval: 1

Date	Time	LOAD (MW)	COA (ppm)
10/05/07	16:00	360	6.4
	16:01	360	6.5
	16:02	361	8.8
	16:03	362	8.2
	16:04	352	13.3
	16:05	362	14.4*
	16:06	362	2.9*
	16:07	361	4.0*
	16:08	360	9.0*
	16:09	360	10.6*
	16:10	360	6.7
Average =		360	7.1
Maximum =		364	15.6
Minimum =		355	3.9
Possible Values =		61	61
Included Values =		61	41
Total =		21967	291.0

Plant 1

* - excluded values (missing, COC, invalid, suspect)

< - missing

T - out-of-control

I - invalid

S - suspect

E - exceedance

F - stack not operating

B - invalid (PADER)

U - missing data substituted

-999 - missing value

-888 - value could not be calculated

Plant Name: MPP

Page:

General Average Report

Reporting Period: 10/05/2007 to 10/05/2007

Site Name: MPP3

Time of Report: 10/05/07 18

Data Averaging Type: 1m

Rolling Average Interval: 1

Run 2

Date	Time	LOAD (MW)	COA (ppm)
10/05/07	16:32	358	4.3
	16:33	359	6.6
	16:34	360	13.0
	16:35	359	8.8*
	16:36	360	2.2*
	16:37	359	3.4*
	16:38	359	5.0*
	16:39	358	4.7*
	16:40	357	5.2
	16:41	358	4.3
	16:42	358	3.9
	16:43	358	3.8
	16:44	358	4.6
	16:45	358	4.0
	16:46	357	4.3
	16:47	359	3.4
	16:48	360	3.4
	16:49	361	4.1
	16:50	361	3.3*
	16:51	361	1.2*
	16:52	359	2.5*
	16:53	359	3.2*
	16:54	358	3.3*
	16:55	356	3.3
	16:56	357	3.5
	16:57	356	3.4
	16:58	356	3.0
	16:59	356	2.5
	17:00	357	2.7
	17:01	359	3.0
	17:02	360	3.4
	17:03	360	3.3
	17:04	360	3.5
	17:05	359	3.8*
	17:06	358	1.3*
	17:07	358	2.0*
	17:08	358	3.0*
	17:09	359	3.1*
	17:10	360	3.9
	17:11	360	3.5
	17:12	361	3.2
	17:13	362	8.5
	17:14	361	13.1
	17:15	362	5.5
	17:16	362	4.4
	17:17	362	4.0
	17:18	361	5.7
	17:19	360	7.1
	17:20	360	4.1*
	17:21	362	1.6*

Site Name: MPP3
Data Averaging Type: 1m

Time of Report: 10/05/07 18
Rolling Average Interval: 1

Date	Time	LOAD (MW)	COA (ppm)
10/05/07	17:22	362	10.2*
	17:23	362	29.0*
	17:24	362	12.0*
	17:25	362	8.3
	17:26	361	7.0
	17:27	360	11.0
	17:28	359	5.7
	17:29	359	3.7
	17:30	359	8.2
	17:31	360	5.3
	17:32	360	8.2
	17:33	360	15.7
	17:34	360	6.5
	17:35	360	4.1*
	17:36	360	1.0*
	17:37	361	2.2*
	17:38	362	6.2*
	17:39	361	7.2*
	17:40	360	5.1
Average =		360	5.5
Maximum =		362	15.7
Minimum =		356	2.5
Possible Values =		69	69
Included Values =		69	44
Total =		24814	240.7

Run 2

* - excluded values (missing, OOC, invalid, suspect)
< - missing
T - out-of-control
I - invalid
S - suspect
E - exceedance
F - stack not operating
B - invalid (PADER)
U - missing data substituted
-999 - missing value
-888 - value could not be calculated

Plant Name: MPP

General Average Report

Reporting Period: 10/05/2007 to 10/05/2007

Site Name: MPP3

Time of Report: 10/05/07 19

Data Averaging Type: 1m

Rolling Average Interval: 1

Run 3

Date	Time	LOAD (MW)	COA (ppm)
10/05/07	18:01	362	9.3
	18:02	362	7.0
	18:03	351	6.2
	18:04	361	11.1
	18:05	360	5.7*
	18:06	361	0.9*
	18:07	362	2.1*
	18:08	362	4.0*
	18:09	362	10.7*
	18:10	363	7.6
	18:11	363	7.3
	18:12	363	5.3
	18:13	363	3.8
	18:14	363	4.0
	18:15	363	4.8
	18:16	362	6.2
	18:17	361	3.9
	18:18	361	3.2
	18:19	361	3.8
	18:20	362	4.3*
	18:21	362	1.1*
	18:22	362	1.6*
	18:23	362	3.5*
	18:24	362	5.3*
	18:25	362	5.9
	18:26	362	3.5
	18:27	363	4.6
	18:28	362	5.1
	18:29	361	4.2
	18:30	361	3.1
	18:31	361	2.9
	18:32	361	4.1
	18:33	360	3.2
	18:34	360	4.1
	18:35	361	3.9*
	18:36	362	1.4*
	18:37	363	2.3*
	18:38	363	7.5*
	18:39	362	11.5*
	18:40	361	6.1
	18:41	361	5.3
	18:42	361	3.6
	18:43	362	6.8
	18:44	361	5.3
	18:45	361	4.0
	18:46	361	4.5
	18:47	362	2.9
	18:48	362	7.1
	18:49	363	6.8
	18:50	363	4.3*

Plant Name: MPP

Page:

General Average Report

Reporting Period: 10/05/2007 to 10/05/2007

Site Name: MPP3

Time of Report: 10/05/07 19

Data Averaging Type: 1m

Rolling Average Interval: 1

Date	Time	LOAD (MW)	COA (ppm)
10/05/07	18:51	363	1.2*
	18:52	363	4.9*
	18:53	363	7.0*
	18:54	362	3.8*
	18:55	362	7.4
	18:56	362	11.4
	18:57	361	5.7
	18:58	361	5.7
	18:59	361	8.3
	19:00	361	3.9
	19:01	362	3.9
	19:02	362	7.7
Average =		362	5.5
Maximum =		363	12.1
Minimum =		360	2.9
Possible Values =		62	62
Included Values =		62	42
Total =		22432	231.3

Run 3

* - excluded values (missing, OOC, invalid, suspect)

< - missing

T - out-of-control

I - invalid

S - suspect

H - exceedance

F - stack not operating

B - invalid (PADER)

U - missing data substituted

-999 - missing value

-888 - value could not be calculated

Plant Name: MPP

Page:

General Average Report

Reporting Period: 10/05/2007 to 10/05/2007

Site Name: MPP3

Time of Report: 10/05/07 21

Data Averaging Type: 1m

Rolling Average Interval: 1

Run 4

Date	Time	LOAD (MW)	COA (ppm)
10/05/07	19:24	361	8.6*
	19:25	361	9.4
	19:26	362	5.2
	19:27	361	4.0
	19:28	361	3.3
	19:29	362	3.0
	19:30	362	3.1
	19:31	363	4.7
	19:32	363	4.4
	19:33	363	6.6
	19:34	362	9.7
	19:35	362	10.2*
	19:36	363	2.4*
	19:37	363	3.7*
	19:38	362	6.4*
	19:39	362	4.9*
	19:40	361	6.0
	19:41	361	9.7
	19:42	362	5.5
	19:43	362	9.3
	19:44	362	7.6
	19:45	362	8.0
	19:46	362	4.1
	19:47	362	10.2
	19:48	362	10.3
	19:49	362	5.9
	19:50	363	7.6*
	19:51	364	4.2*
	19:52	364	20.6*
	19:53	364	9.3*
	19:54	363	7.4*
	19:55	361	11.7
	19:56	359	8.1
	19:57	357	6.7
	19:58	358	5.0
	19:59	359	6.6
	20:00	359	6.6
	20:01	360	4.8
	20:02	360	5.1
	20:03	360	7.4
	20:04	361	9.5
	20:05	360	5.6*
	20:06	359	1.4*
	20:07	358	2.4*
	20:08	358	3.8*
	20:09	358	4.2*
	20:10	358	3.9
	20:11	358	3.7
	20:12	359	4.6
	20:13	361	4.3

Plant Name: MPP

General Average Report

Reporting Period: 10/05/2007 to 10/05/2007

Site Name: MPP3

Data Averaging Type: 1m

Time of Report: 10/05/07 21

Rolling Average Interval: 1

Date	Time	LOAD (MW)	COA (ppm)
10/05/07	20:14	362	4.5
	20:15	362	7.6
	20:16	363	6.7
	20:17	363	6.0
	20:18	363	5.4
	20:19	363	5.3
	20:20	363	7.9*
	20:21	363	3.3*
	20:22	363	15.4*
	20:23	363	16.8*
	20:24	362	7.6*
	20:25	361	6.8
	20:26	361	4.5
	20:27	360	5.6
	20:28	359	4.6
	20:29	359	3.8
	20:30	360	6.6
	20:31	361	11.7
	20:32	362	8.1
Average =		361	6.2
Maximum =		364	11.7
Minimum =		357	3.0
Possible Values =		69	69
Included Values =		69	48
Total =		24924	299.3

Run 4

* - excluded values (missing, OOC, invalid, suspect)
< - missing
T - out-of-control
I - invalid
S - suspect
H - exceedance
F - stack not operating
B - invalid (PADER)
U - missing data substituted
-999 - missing value
-888 - value could not be calculated

Plant Name: MP2

General Average Report

Reporting Period: 10/05/2007 to 10/05/2007

Site Name: MPP3

Data Averaging Type: 1m

Time of Report: 10/05/07 22

Rolling Average Interval: 1

Run 5

Date	Time	LOAD (MW)	COA (ppm)
10/05/07	20:50	361	4.8*
	20:51	360	1.3*
	20:52	359	8.2*
	20:53	358	7.9*
	20:54	358	5.9*
	20:55	358	4.7
	20:56	359	4.0
	20:57	359	3.6
	20:58	359	4.1
	20:59	361	4.2
	21:00	362	5.5
	21:01	362	11.3
	21:02	362	14.7
	21:03	362	13.7
	21:04	361	11.3
	21:05	360	9.6*
	21:06	360	2.9*
	21:07	361	4.5*
	21:08	362	6.1*
	21:09	362	16.1*
	21:10	363	26.0
	21:11	364	10.9
	21:12	364	12.2
	21:13	362	10.1
	21:14	360	9.9
	21:15	359	7.0
	21:16	359	8.2
	21:17	357	13.6
	21:18	357	5.5
	21:19	358	3.5
	21:20	359	2.6*
	21:21	360	0.9*
	21:22	360	2.3*
	21:23	360	3.4*
	21:24	361	3.1*
	21:25	361	5.6
	21:26	360	10.3
	21:27	359	8.4
	21:28	358	5.5
	21:29	358	5.2
	21:30	358	10.6
	21:31	357	14.3
	21:32	357	7.7
	21:33	357	4.8
	21:34	358	5.5
	21:35	358	5.3*
	21:36	359	2.0*
	21:37	358	2.0*
	21:38	358	3.4*
	21:39	359	1.3*

General Average Report

Reporting Period: 10/05/2007 to 10/05/2007

Site Name: MPP3
Time of Report: 10/05/07 22

Data Averaging Type: 1m
Rolling Average Interval: 1

Date	Time	LOAD (MW)	COA (ppm)
10/05/07	21:40	359	3.6
	21:41	359	7.2
	21:42	359	14.1
	21:43	360	7.6
	21:44	360	12.1
	21:45	361	7.8
	21:46	361	6.8
	21:47	361	6.9
	21:48	360	4.2
	21:49	359	3.1
	21:50	358	4.2*
	21:51	357	2.7*
Average =		360	8.4
Maximum =		364	26.0
Minimum =		357	3.1
Possible Values =		62	62
Included Values =		62	40
Total =		22298	336.6

Run 5

* - excluded values (missing, OOC, invalid, suspect)
< - missing
T - out-of-control
I - invalid
S - suspect
H - exceedance
F - stack not operating
B - invalid (PADER)
U - missing data substituted
-999 - missing value
-888 - value could not be calculated

Site Name: MPP3
Data Averaging Type: 1m

Time of Report: 10/05/07 23
Rolling Average Interval: 1

Run 6

Date	Time	LOAD (MW)	COA (ppm)
10/05/07	22:10	360	14.0
	22:11	360	25.5
	22:12	359	22.0
	22:13	359	27.4
	22:14	359	28.6
	22:15	359	18.3
	22:16	359	16.0
	22:17	359	13.8
	22:18	358	7.8
	22:19	358	3.9
	22:20	358	3.7*
	22:21	359	1.5*
	22:22	360	1.7*
	22:23	360	2.6*
	22:24	360	2.7*
	22:25	361	2.9
	22:26	361	3.7
	22:27	361	10.8
	22:28	361	5.6
	22:29	361	7.0
	22:30	361	7.9
	22:31	360	9.8
	22:32	359	12.6
	22:33	359	9.9
	22:34	358	6.8
	22:35	358	4.4*
	22:36	359	1.1*
	22:37	359	1.4*
	22:38	360	2.6*
	22:39	360	2.5*
	22:40	360	2.8
	22:41	360	2.4
	22:42	360	2.3
	22:43	360	1.9
	22:44	360	2.4
	22:45	361	2.1
	22:46	361	2.2
	22:47	360	2.4
	22:48	360	2.1
	22:49	359	2.3
	22:50	359	2.8*
	22:51	359	0.9*
	22:52	358	1.4*
	22:53	358	2.1*
	22:54	358	2.3*
	22:55	359	5.4
	22:56	359	7.2
	22:57	360	8.6
	22:58	360	6.4
	22:59	361	6.4

Plant Name: MPP
General Average Report
Reporting Period: 10/05/2007 to 10/05/2007

Site Name: MPP3
Data Averaging Type: 1m

Time of Report: 10/05/07 23
Rolling Average Interval: 1

Date	Time	LOAD (MW)	COA (ppm)
10/05/07	23:00	362	6.5
	23:01	362	14.6
	23:02	363	28.3
	23:03	363	19.7
	23:04	362	12.0
	23:05	360	7.6*
	23:06	359	1.4*
	23:07	359	2.0*
	23:08	358	4.6*
	23:09	359	8.0*
	23:10	360	3.5
	23:11	360	2.5
	23:12	360	2.9
	23:13	358	3.5
	23:14	358	4.0
Average =		360	9.2
Maximum =		363	28.6
Minimum =		358	1.9
Possible Values =		65	65
Included Values =		65	65
Total =		23382	613.4

Run 6

* - excluded values (missing, OOC, invalid, suspect)
< - missing
T - out-of-control
I - invalid
S - suspect
H - exceedance
F - stack not operating
B - invalid (PADER)
U - missing data substituted
-999 - missing value
-888 - value could not be calculated

Plant Name: MPP

Page:

General Average Report

Reporting Period: 10/06/2007 to 10/06/2007

Site Name: MPP3

Time of Report: 10/06/07 10

Data Averaging Type: 1m

Rolling Average Interval: 1

Run 7

Date	Time	LOAD (MW)	COA (ppm)
10/06/07	09:09	361	3.3*
	09:10	361	2.6
	09:11	361	2.7
	09:12	361	3.3
	09:13	361	5.0
	09:14	360	3.9
	09:15	360	2.7
	09:16	360	2.7
	09:17	359	1.5
	09:18	359	2.6
	09:19	358	2.3
	09:20	359	3.1*
	09:21	358	0.9*
	09:22	358	2.6*
	09:23	359	3.6*
	09:24	358	3.0*
	09:25	359	2.6
	09:26	358	2.8
	09:27	358	2.9
	09:28	358	3.6
	09:29	359	6.9
	09:30	358	6.2
	09:31	358	5.0
	09:32	358	4.5
	09:33	359	3.3
	09:34	359	3.7
	09:35	359	3.0*
	09:36	358	0.9*
	09:37	357	1.2*
	09:38	357	2.7*
	09:39	356	3.0*
	09:40	356	3.0
	09:41	357	2.7
	09:42	357	6.9
	09:43	355	6.6
	09:44	353	3.5
	09:45	353	2.6
	09:46	354	2.3
	09:47	354	4.5
	09:48	355	3.9
	09:49	354	3.2
	09:50	353	3.0*
	09:51	353	0.4*
	09:52	353	1.6*
	09:53	353	2.8*
	09:54	354	2.6*
	09:55	353	2.4
	09:56	354	2.7
	09:57	355	3.3
	09:58	355	3.4

Plant Name: MPP

General Average Report

Reporting Period: 10/06/2007 to 10/06/2007

Site Name: MPP3

Data Averaging Type: 1n

Time of Report: 10/06/07 10

Rolling Average Interval: 1

Date	Time	LOAD (MW)	COA (ppm)
10/06/07	09:59	357	3.6
	10:00	358	8.1
	10:01	358	11.0
	10:02	357	3.8
	10:03	358	3.3
	10:04	357	4.2
	10:05	357	4.6*
	10:06	357	0.6*
	10:07	356	1.9*
	10:08	356	3.2*
	10:09	357	2.4*
	10:10	357	2.7
	10:11	355	2.6
	10:12	354	2.5
Average =		357	3.9
Maximum =		361	11.0
Minimum =		352	2.3
Possible Values =		64	64
Included Values =		64	43
Total =		22846	165.7

Run 7

* - excluded values (missing, OOC, invalid, suspect)
< - missing
T - out-of-control
I - invalid
S - suspect
H - exceedance
F - stack not operating
B - invalid (PADEP)
U - missing data substituted
-999 - missing value
-888 - value could not be calculated

Site Name: MPP3
Data Averaging Type: 1m

Time of Report: 10/06/07 11
Rolling Average Interval: 1

Run 8

Date	Time	LOAD (MW)	CCA (ppm)
10/06/07	10:30	355	2.2
	10:31	355	3.6
	10:32	356	3.3
	10:33	357	2.8
	10:34	359	3.2
	10:35	360	2.4*
	10:36	361	0.4*
	10:37	361	1.6*
	10:38	360	3.9*
	10:39	359	3.4*
	10:40	358	1.8
	10:41	357	1.5
	10:42	357	3.7
	10:43	359	3.7
	10:44	360	5.0
	10:45	359	19.6
	10:46	359	13.4
	10:47	358	5.5
	10:48	358	2.9
	10:49	357	2.2
	10:50	357	2.5*
	10:51	356	0.5*
	10:52	358	1.1*
	10:53	358	2.5*
	10:54	359	4.2*
	10:55	359	3.1
	10:56	358	2.8
	10:57	360	3.0
	10:58	361	2.5
	10:59	362	6.6
	11:00	361	8.3
	11:01	360	4.2
	11:02	360	2.4
	11:03	358	2.8
	11:04	358	5.7
	11:05	357	6.5*
	11:06	356	1.4*
	11:07	356	1.4*
	11:08	356	3.3*
	11:09	356	5.6*
	11:10	357	4.2
	11:11	358	7.3
	11:12	359	4.4
	11:13	359	5.0
	11:14	359	7.5
	11:15	359	9.2
	11:16	359	6.6
	11:17	359	18.8
	11:18	358	12.1
	11:19	358	12.3

General Average Report

Reporting Period: 10/06/2007 to 10/06/2007

Site Name: MPP3
Time of Report: 10/06/07 11

Data Averaging Type: 1m
Rolling Average Interval: 1

Date	Time	LOAD (MW)	COA (ppm)
10/06/07	11:20	356	11.0*
	11:21	358	2.6*
	11:22	359	1.9*
	11:23	359	3.0*
	11:24	358	4.0*
	11:25	358	3.2
	11:26	358	2.4
	11:27	358	2.8
	11:28	356	3.0
	11:29	355	2.5
	11:30	356	4.1
	11:31	356	9.4
	11:32	355	7.9
	11:33	355	6.2
Average =		358	5.6
Maximum =		362	19.6
Minimum =		355	1.5
Possible Values =		64	64
Included Values =		64	44
Total =		22915	244.7

Run 8

* - excluded values (missing, OOC, invalid, suspect)
< - missing
T - out-of-control
I - invalid
S - suspect
H - exceedance
F - stack not operating
B - invalid (PADER)
U - missing data substituted
-999 - missing value
-888 - value could not be calculated

Plant Name: MPP

Page:

General Average Report

Reporting Period: 10/06/2007 to 10/06/2007

Site Name: MPP3

Time of Report: 10/06/07 12

Data Averaging Type: 1m

Rolling Average Interval: 1

Run 9

Date	Time	LOAD (MW)	COA (ppm)
10/06/07	11:48	359	7.7
	11:49	358	2.9
	11:50	358	3.1*
	11:51	357	0.9*
	11:52	357	3.0*
	11:53	357	3.7*
	11:54	358	9.3*
	11:55	356	8.1
	11:56	356	7.3
	11:57	357	4.5
	11:58	356	4.4
	11:59	358	3.8
	12:00	358	4.7
	12:01	358	4.6
	12:02	358	3.8
	12:03	357	3.0
	12:04	357	2.9
	12:05	358	2.8*
	12:06	358	0.6*
	12:07	359	3.6*
	12:08	359	8.0*
	12:09	358	6.5*
	12:10	358	9.6
	12:11	358	8.8
	12:12	358	6.0
	12:13	358	8.2
	12:14	359	9.9
	12:15	358	4.9
	12:16	358	4.4
	12:17	357	3.4
	12:18	358	2.8
	12:19	358	2.9
	12:20	358	3.4*
	12:21	358	1.1*
	12:22	358	1.9*
	12:23	357	2.7*
	12:24	357	3.3*
	12:25	358	2.8
	12:26	358	3.0
	12:27	359	3.4
	12:28	359	3.4
	12:29	358	3.5
	12:30	357	3.6
	12:31	357	3.6
	12:32	357	4.6
	12:33	357	5.7
	12:34	357	5.7
	12:35	357	3.7*
	12:36	357	0.9*
	12:37	357	5.3*

General Average Report

Reporting Period: 10/06/2007 to 10/06/2007

Site Name: MPP3
Time of Report: 10/06/07 12

Data Averaging Type: 1m
Rolling Average Interval: 1

Date	Time	LOAD (MW)	COA (ppm)
10/06/07	12:38	358	7.0*
	12:39	360	3.5*
	12:40	361	5.4
	12:41	360	5.0
	12:42	360	7.3
	12:43	360	5.5
	12:44	358	3.8
	12:45	357	7.5
	12:46	356	6.0
	12:47	355	3.4
	12:48	356	3.2
Average =		358	5.0
Maximum =		361	9.9
Minimum =		355	2.8
Possible Values =		61	61
Included Values =		61	41
Total =		21827	205.7

Run 9

* - excluded values (missing, OOC, invalid, suspect)
< - missing
T - out-of-control
I - invalid
S - suspect
E - exceedance
F - stack not operating
B - invalid (RADES)
U - missing data substituted
-999 - missing value
-888 - value could not be calculated

General Average Report

Reporting Period: 10/06/2007 to 10/06/2007

Site Name: MPP3

Time of Report: 10/06/07 15

Data Averaging Type: 1m

Rolling Average Interval: 1

Run 10

Date	Time	LOAD (MW)	CO2 (ppm)
10/06/07	13:20	359	8.2*
	13:21	359	3.2*
	13:22	358	3.8*
	13:23	357	4.7*
	13:24	357	4.1*
	13:25	358	3.5
	13:26	358	4.0
	13:27	358	5.0
	13:28	358	4.4
	13:29	359	3.9
	13:30	358	4.0
	13:31	359	3.9
	13:32	360	5.3
	13:33	360	7.5
	13:34	360	6.0
	13:35	361	3.5*
	13:36	361	1.2*
	13:37	360	3.6*
	13:38	360	7.7*
	13:39	359	9.0*
	13:40	358	5.1
	13:41	358	3.5
	13:42	358	5.0
	13:43	359	5.6
	13:44	359	5.0
	13:45	358	12.5
	13:46	358	6.3
	13:47	358	3.4
	13:48	358	5.2
	13:49	358	4.8
	13:50	356	3.4*
	13:51	356	0.6*
	13:52	357	1.6*
	13:53	359	3.4*
	13:54	360	17.0*
	13:55	361	19.1
	13:56	360	7.0
	13:57	359	4.3
	13:58	359	3.6
	13:59	360	5.6
	14:00	360	22.5
	14:01	361	23.2
	14:02	361	7.3
	14:03	360	7.2
	14:04	359	4.4
	14:05	358	3.0*
	14:06	358	0.6*
	14:07	358	1.7*
	14:08	358	2.9*
	14:09	359	4.0*

Site Name: MPP3
Data Averaging Type: 1m

Time of Report: 10/06/07 15
Rolling Average Interval: 1

Run 10

Date	Time	LOAD (MW)	COA (ppm)
10/06/07	14:10	359	3.6
	14:11	357	5.4
	14:12	357	5.2
	14:13	358	3.5
	14:14	358	4.1
	14:15	357	5.3
	14:16	357	4.5
	14:17	357	5.9
	14:18	357	6.0
	14:19	357	6.0
	14:20	356	3.5*
	14:21	355	0.7*
	14:22	355	1.8*
	14:23	356	3.6*
	14:24	357	4.0*
	14:25	358	3.5
	14:26	358	3.1
Average =		358	6.2
Maximum =		361	22.5
Minimum =		355	3.1
Possible Values =		67	67
Included Values =		67	42
Total =		24010	251.7

* - excluded values (missing, OOC, invalid, suspect)
c - missing
T - out-of-control
I - invalid
S - suspect
H - exceedance
F - stack not operating
B - invalid (PADER)
U - missing data substituted
-999 - missing value
-888 - value could not be calculated

Plant Name: MPP

Page:

General Average Report

Reporting Period: 10/06/2007 to 10/06/2007

Site Name: MPP3

Time of Report: 10/06/07 16

Data Averaging Type: 1m

Rolling Average Interval: 1

Ran 11

Date	Time	LOAD (MW)	COA (ppm)
10/06/07	14:43	359	5.0
	14:44	360	4.1
	14:45	359	3.6
	14:46	358	3.8
	14:47	358	4.1
	14:48	358	2.9
	14:49	359	3.3
	14:50	359	5.6*
	14:51	358	3.1*
	14:52	358	6.3*
	14:53	357	5.8*
	14:54	356	4.2*
	14:55	356	5.0
	14:56	357	4.5
	14:57	358	3.9
	14:58	358	12.1
	14:59	357	10.9
	15:00	358	3.7
	15:01	358	2.8
	15:02	358	5.0
	15:03	358	5.4
	15:04	359	3.2
	15:05	359	3.2*
	15:06	359	0.9*
	15:07	359	9.0*
	15:08	360	9.6*
	15:09	360	5.3*
	15:10	361	7.2
	15:11	360	7.0
	15:12	360	6.5
	15:13	359	4.6
	15:14	358	10.9
	15:15	358	5.9
	15:16	358	3.5
	15:17	358	4.7
	15:18	360	4.6
	15:19	360	4.7
	15:20	359	6.9*
	15:21	357	1.7*
	15:22	356	2.2*
	15:23	356	3.3*
	15:24	357	3.3*
	15:25	358	3.3
	15:26	359	7.3
	15:27	359	6.1
	15:28	359	4.2
	15:29	359	4.4
	15:30	360	3.5
	15:31	359	3.1
	15:32	359	7.0

Plant Name: MPP

Page:

General Average Report

Reporting Period: 10/06/2007 to 10/06/2007

Site Name: MPP3

Time of Report: 10/06/07 16

Data Averaging Type: 1m

Rolling Average Interval: 1

Date	Time	LOAD (MW)	COA (ppm)
10/06/07	15:33	359	9.0
	15:34	359	4.5
	15:35	359	5.5*
	15:36	357	3.2*
	15:37	356	4.3*
	15:38	356	6.8*
	15:39	357	3.5*
	15:40	357	3.2
	15:41	358	3.5
	15:42	360	3.9
	15:43	362	10.1
	15:44	362	23.2
	15:45	361	18.0
	15:46	361	14.2
	15:47	363	5.2
	15:48	363	5.3
	15:49	362	11.6
Average =		359	6.0
Maximum =		363	18.0
Minimum =		356	2.8
Possible Values =		67	67
Included Values =		67	47
Total =		24034	284.2

Run 12

* - excluded values (missing, OOC, invalid, suspect)

< - missing

T - out-of-control

I - invalid

S - suspect

M - exceedance

P - stack not operating

B - invalid (PADER)

U - missing data substituted

-999 - missing value

-888 - value could not be calculated

Plant Name: MPP

General Average Report

Reporting Period: 10/06/2007 to 10/06/2007

Site Name: MPP3

Time of Report: 10/06/07 17

Data Averaging Type: 1m

Rolling Average Interval: 1

Run 12

Date	Time	LOAD (MW)	COA (ppm)
10/06/07	16:07	362	2.8*
	16:08	362	6.1*
	16:09	361	7.2*
	16:10	360	5.0
	16:11	361	6.7
	16:12	361	8.9
	16:13	360	33.1
	16:14	360	25.0
	16:15	359	16.1
	16:16	360	21.1
	16:17	360	28.8
	16:18	359	33.0
	16:19	360	7.8
	16:20	360	4.5*
	16:21	361	1.6*
	16:22	361	3.0*
	16:23	359	5.8*
	16:24	358	4.6*
	16:25	358	4.0
	16:26	358	5.3
	16:27	359	10.0
	16:28	359	6.7
	16:29	360	7.1
	16:30	361	4.9
	16:31	363	6.1
	16:32	363	13.7
	16:33	362	10.6
	16:34	362	4.4
	16:35	361	3.0*
	16:36	360	0.5*
	16:37	360	1.8*
	16:38	360	5.3*
	16:39	360	10.4*
	16:40	360	5.4
	16:41	360	3.7
	16:42	360	4.2
	16:43	360	6.4
	16:44	361	3.6
	16:45	361	6.3
	16:46	362	18.6
	16:47	361	13.2
	16:48	359	18.7
	16:49	359	17.9
	16:50	359	6.4*
	16:51	359	0.9*
	16:52	361	2.1*
	16:53	360	3.9*
	16:54	360	14.7*
	16:55	361	7.4
	16:56	363	13.5

General Average Report

Reporting Period: 10/06/2007 to 10/06/2007

Site Name: MPP3
Time of Report: 10/06/07 17

Data Averaging Type: 1m
Rolling Average Interval: 1

Date	Time	LOAD (MW)	COA (ppm)
10/06/07	16:57	361	15.9
	16:58	361	7.1
	16:59	360	5.9
	17:00	360	4.6
	17:01	358	5.3
	17:02	358	4.5
	17:03	358	3.9
	17:04	358	3.0
	17:05	358	2.6*
	17:06	358	0.5*
	17:07	359	9.9*
	17:08	360	11.7*
	17:09	359	11.7*
	17:10	359	12.2
Average =		360	10.7
Maximum =		363	33.1
Minimum =		358	3.0
Possible Values =		64	64
Included Values =		64	41
Total =		23040	437.9

Run 12

* - excluded values (missing, OOC, invalid, suspect)
< - missing
T - out-of-control
I - invalid
S - suspect
H - exceedance
F - stack not operating
B - invalid (PADER)
U - missing data substituted
-999 - missing value
-888 - value could not be calculated

APPENDIX E
PROJECT PARTICIPANTS

PROJECT PARTICIPANTS

STACS

Bill Mayhew	Project Director
Mike Dickerson	Field Team Leader
Winton Kelly	Senior Engineer/Reporting
Aaron Harden	Document Coordinator

LAKELAND ELECTRIC

Christine More	Test Coordinator
Ron Kremann	Plant Engineer

FLORIDA DEP

William Schroeder	Test Observer

SECTION C: 7-Day Drift Report ("General Daily Calibration Report")

The results of the "7-Day Drift" are included hereafter.

Plant ID: MPP

GENERAL DAILY CALIBRATION REPORT

Report Period: 10/07/07 -- 10/13/07

Report Run Time: 11/06/07 07:32

Site	Parameter	Start Date	Start Time	End Date	End Time	Com ID	Mon ID	Phase Type	Reference Value	Actual Value	T y p	P n t	A p	CE Span	Limit	Log Flg	APSF Flag	O C	O F	M T	L K	Calib. Error	Pass Fail
MPP3	COA	10/07/07	05:00	10/07/07	05:10			0	0.0	0.1	D	L	Y	400.000	5.0		0	Y	N	N	N	0.025000	PASS
			05:00	10/07/07	05:30			1	180.4	180.8	D	H	Y	400.000	5.0		0	Y	N	N	N	0.10000	PASS
		10/08/07	05:00	10/08/07	05:10			0	0.0	0.6	D	L	Y	400.000	5.0		0	Y	N	N	N	0.150000	PASS
			05:00	10/08/07	05:30			1	180.4	180.2	D	H	Y	400.000	5.0		0	Y	N	N	N	0.050000	PASS
		10/09/07	05:00	10/09/07	05:10			0	0.0	0.2	D	L	Y	400.000	5.0		0	Y	N	N	N	0.050000	PASS
			05:00	10/09/07	05:30			1	180.4	181.0	D	H	Y	400.000	5.0		0	Y	N	N	N	0.150000	PASS
		10/10/07	05:00	10/10/07	05:10			0	0.0	0.0	D	L	Y	400.000	5.0		0	Y	N	N	N	0.00	PASS
			05:00	10/10/07	05:30			1	180.4	180.3	D	H	Y	400.000	5.0		0	Y	N	N	N	0.025000	PASS
		10/11/07	05:00	10/11/07	05:10			0	0.0	0.0	D	L	Y	400.000	5.0		0	Y	N	N	N	0.00	PASS
			05:00	10/11/07	05:30			1	180.4	180.7	D	H	Y	400.000	5.0		0	Y	N	N	N	0.075000	PASS
		10/12/07	05:00	10/12/07	05:10			0	0.0	0.3	D	L	Y	400.000	5.0		0	Y	N	N	N	0.075000	PASS
			05:00	10/12/07	05:30			1	180.4	179.0	D	H	Y	400.000	5.0		0	Y	N	N	N	0.350000	PASS
		10/13/07	05:00	10/13/07	05:10			0	0.0	1.7	D	L	Y	400.000	5.0		0	Y	N	N	N	0.425000	PASS
			05:00	10/13/07	05:30			1	180.4	182.0	D	H	Y	400.000	5.0		0	Y	N	N	N	0.400000	PASS

-999 = Invalid data

INTCHK = Interference check

Blanks = Limit value missing

SECTION D: Response Time Test

The results of the "7-Day Drift" are included hereafter.

Response Time Test

U-3 CO Analyzer

Thermo 48i - TLE
Ser. # 0712221616

Date: 12 October 2007

All Values in PPM

Run	Level	Start Time	End Time	Duration	Start Monitor Value	Cal Gas Value	Stable End (95%) Value
1	H	9:32:43	9:33:59	0:01:16	0.3	180.4	171.9
2	H	9:40:23	9:41:40	0:01:17	0.3	180.4	171.5
3	H	9:48:19	9:49:38	0:01:19	0.3	180.4	171.5
			H Mean	0:01:17			

H = High

All Values in PPM

Run	Level	Start Time	End Time	Duration	Start Monitor Value	Cal Gas Value	Stable End (95%) Value
1	Z	9:36:08	9:37:19	0:01:11	181.9	0	8.9
2	Z	9:44:03	9:45:12	0:01:09	181.4	0	8.6
3	Z	10:04:10	10:05:19	0:01:09	181.0	0	8.9
			Z Mean	0:01:10			

Z = Zero

System Response Time = 1:17min

40CFR60, Appendix B, PS 4A, § 8.3.1

SECTION E: Interference Check Information

Included hereafter are two pages from the Thermo (TECO) Model 48i Trace Level-Enhanced Instruction Manual (27 April 2006). On page 4-3, Thermo notes that, "Since the Model 48i Trace Level-Enhanced is virtually interference free, it is not necessary to include special scrubbers for removal of SO2, NOx, CO2 or volatile organic compounds."

Additionally, ThermoFisher Scientific reports that the Model 48i Interference Check data is on file with the EPA, submitted in 2005 and accepted by the EPA.

concentration and the instrument's analog signal can then be generated and used to interpret data taken during normal operation.

Although the Model 48*i* Trace Level-Enhanced will provide high quality data without using an external multi-point calibration, it is a regulatory requirement in many cases. In addition, the external calibration does provide an opportunity to verify the analyzer's accuracy over the entire measurement range. Moreover, if an instrument were to display a non-linearity in response, the external calibration could be used to correct for that error. Some further discussion of multi-point calibration is included in the following procedures. However, the operator should consult the *Quality Assurance Handbook for Air Pollution Measurement Systems*[1] referenced earlier for a more detailed explanation of the procedure.

The following sections discuss the required apparatus and procedure for calibrating the instrument.

Equipment Required

The following equipment is required to calibrate the instrument:

Calibration Standard (Span Gas)

A cylinder of CO in air containing an appropriate concentration of CO suitable for the selected operating range of the analyzer under calibration is necessary. For most applications, the span concentration should be about 80% of the full-scale range that will be used during normal operation. For example, if the instrument will be operated with the analog output set on a full-scale range of zero to 50 ppm, the span gas concentration should be about 40 ppm. Selection of the analog output's full-scale range will depend on the application, and in some cases the choice may be subject to regulatory considerations.

For legal reasons, the assay of the span cylinder must be traceable either to a National Institute of Standards and Technology (NIST) CO in Air Standard Reference Material (SRM), or a NIST/EPA approved gas manufacturer's Certified Reference Material (CRM).

A recommended protocol for certifying CO gas cylinders against an SRM or CRM is given in the *Quality Assurance Handbook*[1]. The CO gas cylinder should be recertified on a regular basis determined by the local quality control program.

CO Free Dilution Air (Required for multi-point calibration only)

Because the enhanced trace level instrument is equipped with an internal CO scrubber, a separate source of zero air is not required for routine single point calibration. However, a high quality CO-free air source may be needed to supply dilution air that can be used to generate span gas from a higher concentration cylinder, or to generate test gases containing varying concentrations of CO.

If a gas titration, or dilution, system will be used, the dilution air should contain <0.01 ppm CO. In addition, the dilution air should be dry (Dew point < 10°C) and free of oil mist and dust particles. Since the Model 48*i* Trace Level-Enhanced is virtually interference free, it is not necessary to include special scrubbers for removal of SO_2, NO_x, CO_2 or volatile organic compounds.

Zero air cylinders from scientific and commercial suppliers typically contain CO concentrations in the 0.1 - 0.3 ppm range. Thus, cylinder zero air may need to be scrubbed of the residual CO prior to its use as a dilution gas or as a zero standard in multi-point calibration.

If dilution air will be generated on-site, a commercial system such as the Thermo Electron *Model 1160 Zero Air Supply* is highly recommended. A dilution air system can also be built using the air-drying and CO removal techniques discussed below.

Compression

The zero air should be supplied at an elevated pressure to allow accurate and reproducible flow control and to aid in subsequent drying, oxidation, and scrubbing. An air compressor that gives an output of 30 to 40 psig is usually sufficient. In addition to supplying high-pressure air, a compressor equipped with condensation coils and a water trap can remove some water.

Drying

Several drying methods are available. Passing the compressed air through a bed of silica gel, using a heatless air dryer, or removing water vapor with a permeation dryer are three possible approaches to achieving a lower dew point. If a large volume or continuous flow of dry air is needed, silica gel or other similar drying agents will require frequent replacement. In those cases, a permeation dryer or heatless air dryer will usually be a better solution.

CO Removal

A platinum on alumina catalyst, operated at 250 °C, has been found to be a convenient oxidizer to convert CO to CO_2.

Gas Titration System (Required for multi-point calibration only)

If the analyzer is being calibrated with zero air and a single span gas, the internal scrubber can be used to provide the zero, and the span gas should be purchased at the appropriate concentration so that no dilution will be necessary. However, if the unit will be operated under regulations that require an external multi-point calibration, or if a multi-point accuracy test is planned, a gas titration system will be required. A high quality gas titration system, such as the Thermo Electron Model 146 Series Multigas Calibration System, is suggested for these applications. If a titration system