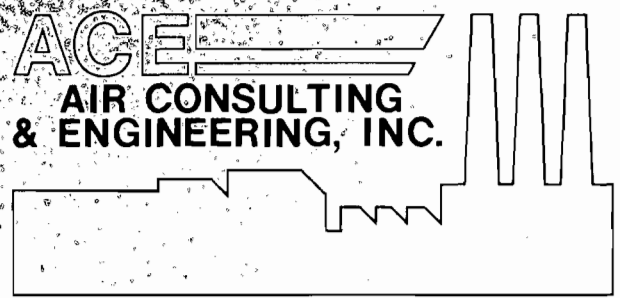


**ACE**  
**AIR CONSULTING  
& ENGINEERING, INC.**



*2106 N.W. 67th Place • Suite 4 • Gainesville, Florida • 32653*  
*(352) 335-1889 FAX (352) 335-1891*



111 Ponce de Leon Ave.  
Clewiston, FL 33440  
Telephone 863/902-8121  
Fax 863/902-2729

October 31, 2005

CERTIFIED MAIL 7002-2410-0003-4553-7760

Ron Blackburn, P.E.  
Florida Dept. of Environmental Protection  
P.O. Box 2549  
Ft. Myers, FL 33902-2549

Jeff Koerner  
Florida Dept. of Environmental Protection  
Twin Towers Office Bldg.  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

RECEIVED  
NOV 02 2005  
BUREAU OF AIR REGULATION

Re: United States Sugar Corporation  
Clewiston Mill – Boiler 8  
Facility ID No. 0510003  
Permit Number 051-0003-024-AC

Gentlemen:

We are enclosing our test report on Clewiston's Boiler No. 8 Source Test that was performed on September 16, 2005.

Sorry this is late. Hurricane Wilma delayed us.

If you have any questions or need further information, please let me know.

Very truly yours,

United States Sugar Corporation

A handwritten signature in black ink, appearing to read "Peter B. Briggs".

Peter B. Briggs  
Vice President, Environmental  
Compliance & Programs

PBB:tkw  
Enclosure

Cc: William A. Raiola  
Bret Nesbitt  
Don Griffin

**RECEIVED**

NOV 02 2005

BUREAU OF AIR REGULATION

SOURCE TEST REPORT  
FOR  
CARBON MONOXIDE, OXIDES OF NITROGEN AND AMMONIA  
SLIP EMISSIONS

BOILER 8  
ESP OUTLET  
CLEWISTON, FLORIDA

FDEP PERMIT NUMBER 051-0003-024-AC  
PSD-FL-333A  
EMISSION UNIT 028  
WOOD CHIP FIRING

SEPTEMBER 16, 2005

PREPARED FOR:

U.S. SUGAR CORPORATION  
111 PONCE DELEON AVENUE  
CLEWISTON, FLORIDA 33440

PREPARED BY:

AIR CONSULTING AND ENGINEERING, INC.  
2106 N.W. 67TH PLACE  
GAINESVILLE, FLORIDA 32653  
(352) 335-1889

238-04-05

## TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
1.0 INTRODUCTION.....	1
2.0 SUMMARY AND DISCUSSION OF RESULTS .....	2
3.0 PROCESS DESCRIPTION AND OPERATION .....	4
4.0 SAMPLING POINT LOCATION.....	5
5.0 FIELD AND ANALYTICAL PROCEDURES .....	7
5.1 DETERMINATION OF NITROGEN OXIDES FROM STATIONARY SOURCE--EPA METHOD 7E .....	7
5.2 DETERMINATION OF CARBON MONOXIDE EMISSIONS FROM STATIONARY SOURCE--EPA METHOD 10.....	7
5.3 DETERMINATION OF AMMONIA--EPA METHOD CTM027 .....	7

### APPENDICES

APPENDIX A--AMMONIA SLIP EMISSION DATA

APPENDIX B--AMMONIA SLIP FIELD SHEET AND LABORATORY DATA

APPENDIX C-- GASEOUS EMISSION SUMMARY

APPENDIX D--STRIP CHART AND DATA LOGGER COPIES

APPENDIX E--BOILER OPERATING DATA

APPENDIX F--QUALITY ASSURANCE

APPENDIX G--FUEL ANALYSIS

APPENDIX H--PROJECT PARTICIPANTS

**LIST OF TABLES**

<b><u>TABLE</u></b>	<b><u>PAGE</u></b>
1 SUMMARY OF EMISSIONS .....	3

**LIST OF FIGURES**

<b><u>FIGURE</u></b>	<b><u>PAGE</u></b>
1 SAMPLING POINT LOCATION.....	6
2 EPA METHODS 3A, 7E AND 10 SAMPLING TRAIN .....	8
3 EPA METHOD 027 SAMPLING TRAIN .....	9

**ACE**  
**AIR CONSULTING**  
**& ENGINEERING, INC.**



2106 N.W. 67th Place • Suite 4 • Gainesville, Florida • 32653  
(352) 335-1889 FAX (352) 335-1891

**REPORT CERTIFICATION**

To the best of my knowledge, all applicable field and analytical procedures comply with the Florida Department of Environmental Protection requirements and all test data and plant operating data are true and correct.

*Dagmar Fick*

Dagmar Fick, Mechanical Engineer

Date

10/21/05

## 1.0 INTRODUCTION

On September 16, 2005, Air Consulting and Engineering, Inc. (ACE) conducted Ammonia Slip, Oxides of Nitrogen (NO<sub>x</sub>) and Carbon Monoxide (CO) emissions testing on the ESP outlet of Boiler 8 at the U.S. Sugar Corporation (USSC) Clewiston Mill located in Clewiston, Florida. Testing was conducted to satisfy conditions of the Florida Department of Environmental Protection (FDEP) Permit Number 051-0003-024-AC.

United States Environmental Protection Agency (EPA) Method 7E (NO<sub>x</sub>), 10 (CO) and CTM027 (NH<sub>3</sub>) were used for the emissions testing.

Mr. Don Griffin and Mr. Jules Stephensky of USSC coordinated testing and provided boiler CEM and operating data. Mr. Wayne Lewis of the FDEP Ft. Myers office observed a portion of the test.

The purpose of the test was to evaluate emissions while the boiler was fired with wood chips.

## 2.0 SUMMARY AND DISCUSSION OF RESULTS

Table 1 is a summary of the emission results and flue gas parameters. A combination of Bagasse and Wood Chips was used to fire the boiler.

Carbon monoxide emissions averaged 194.05 lbs/hr and 374.95 ppm @ 7% O<sub>2</sub>, which is within the permitted limit of 400 ppm @ 7% O<sub>2</sub>.

Oxides of nitrogen emissions averaged 41.85 lbs/hr and 0.099 lbs/MMBTU, which is within the permitted limit of 0.14 lbs/MMBTU and 131.0 lbs/hr.

Urea injections for NO<sub>x</sub> controls will result in some unreacted Ammonia emissions, which averaged 22.39 ppm @ 7% O<sub>2</sub>. The permitted limit is 20 ppm Ammonia corrected to 7% O<sub>2</sub>.

Ammonia emission data, field data sheets and laboratory results are presented in Appendices A and B. Gaseous emission summaries and strip chart copies with data logger records are enclosed in Appendices C and D.

Appendix E contains Boiler 8's CEM recordings of steam flow, temperature, and pressure, feed water temperature and pressure as well as other boiler operating parameters. The plant CEM data recorder was set on Eastern Standard Time while all ACE data was logged at actual Daylight Savings Time.

Fuel analysis for wood chips and bagasse is presented in Appendix G.



Table 1. Emission Summary  
 Boiler 8 - ESP Outlet  
 United States Sugar Corporation - Clewiston Mill  
 Clewiston, Florida  
 September 16, 2005

Run Number	Time	Heat Input MMBTUH	Flow Rate dscfm	Oxygen %	CO Emissions		NOx Emissions		Ammonia Slip ppm @7% O2	
					ppm @ 7% O2	lbs/MMBTU	lbs/hr	lbs/MMBTU		lbs/hr
1	0944-1050	427.2	133612	7.74	494.45	0.654	272.68	0.108	45.21	28.09
2	1149-1253	421.3	119425	8.35	409.18	0.454	192.35	0.088	37.36	18.79
4	1327-1433	424.2	131883	8.10	221.22	0.276	117.13	0.101	42.99	20.29
Average	---	424.2	128307	8.06	374.95	0.461	194.05	0.099	41.85	22.39

**Note:** Ammonia Slip data is blank corrected  
 Heat Input values are taken from the plant's hourly operation report - based on Eastern Standard Time

$lbs/hr = PPM(2.595 \times 10^{-9})MW(Flow Rate)(60 min/hr)$   
 $lbs/MMBTU = (lbs/hr)/Heat Input$

**Allowable Emissions:**

NOx = 0.14 lbs/MMBTU & 131.0 lbs/hr  
 CO = 400 ppm @ 7% O2  
 Ammonia Slip = 20 ppm @ 7% O2

### 3.0 PROCESS DESCRIPTION AND OPERATIONS

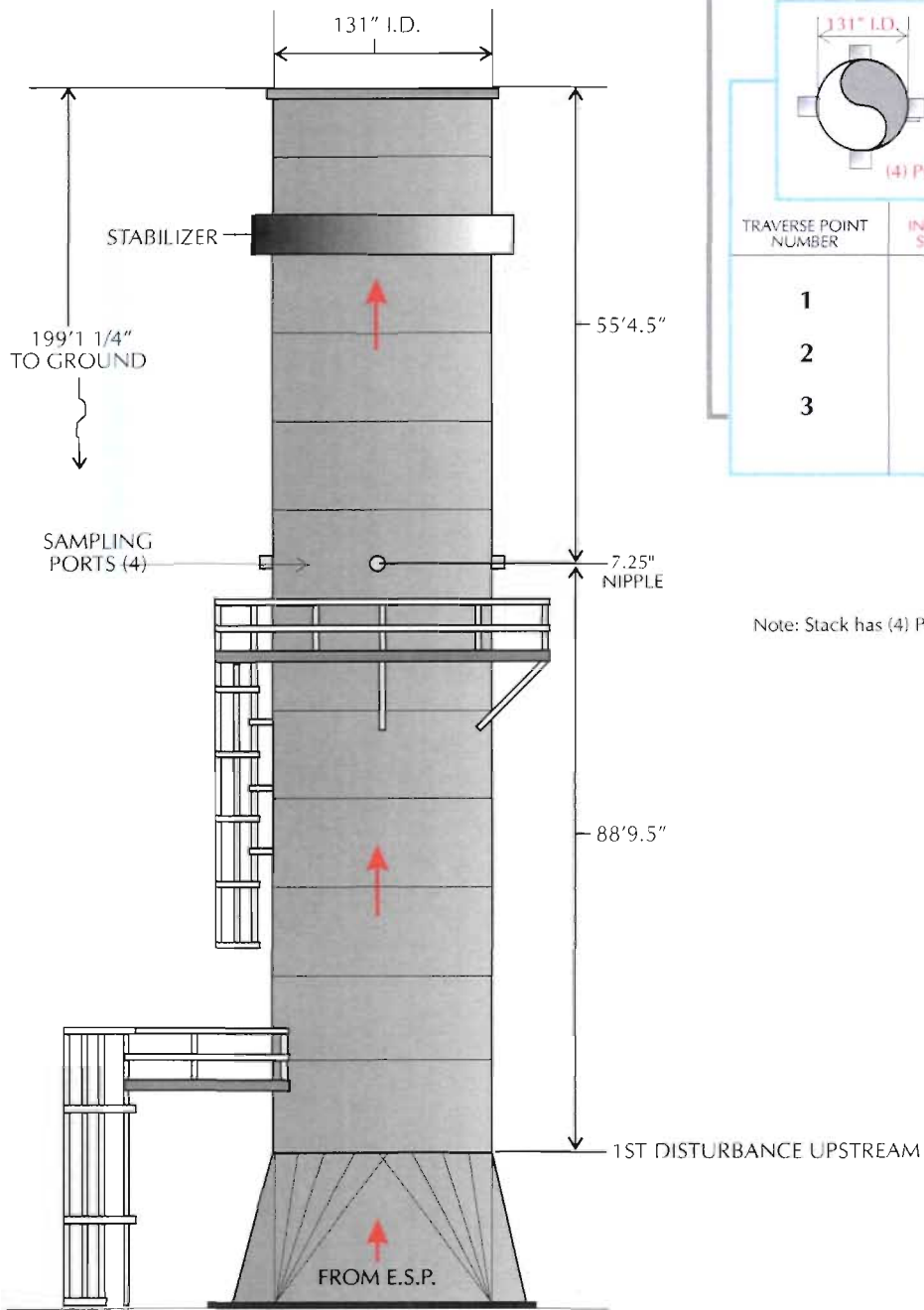
Boiler 8 at US Sugar Corporation's Clewiston Mill is a membrane wall boiler with balanced draft stoker, overfire air, rotating feeders and pneumatic spreaders. The primary fuel is bagasse. Distillate oil can be fired as a restrictive alternate fuel for startup and supplemental uses. The boiler's maximum steam production rate is 500,000 lbs/hr based on a maximum heat input rate of 936 MMBTUH at a 24-hour average.

Particulate emissions are controlled by wet cyclone collectors followed by an electrostatic precipitator (ESP). NOx emissions are reduced by an urea-bases selective non-catalytic reduction system (SNCR). Carbon monoxide and oxides of nitrogen emissions are monitored and recorded by continuous emission monitoring systems (CEMS).

Boiler operating parameters and CEM data are presented in Appendix E.

#### 4.0 SAMPLING POINT LOCATION

Figure 1 is a schematic of the exhaust stack with sampling point locations.



Note: Stack has (4) Ports Total.

NOTE: NOT TO SCALE.

SOURCE: AIR CONSULTING & ENGINEERING, INC. (238USSCB8 5/05)



FIGURE 1.  
 SAMPLING POINT LOCATION  
 BOILER NUMBER 8  
 U.S. SUGAR CORPORATION  
 CLEWISTON, FLORIDA

## 5.0 FIELD AND ANALYTICAL PROCEDURES

### *5.1 Determination of Nitrogen Oxides Emissions from Stationary Sources (Instrumental Analyzer Procedure) --EPA Method 7E*

The sampling system is shown in Figure 2. A sample was drawn from the stack at a rate of approximately 2 SCFH. A stainless steel probe and filter assembly was followed by a three-way stainless steel valve. The sample was pumped through 3/8" O.D. TEFLON sampling line and condensate trap housed in an ice bath. Calibration gases were introduced at the sampling interface (the three-way valve) through another 3/8" O.D. TEFLON line. The sample pump delivered gases to a manifold system where one stream was sent to a Thermo Environmental Model 42H Chemiluminescent Analyzer, converted to nitric oxide, reacted with ozone, and a chemiluminescent response measured by a photomultiplier. All instrument responses were recorded on a data logger system. The sampling system yields NO<sub>x</sub> concentrations on a wet basis.

All calibration gases were certified NBS traceable.

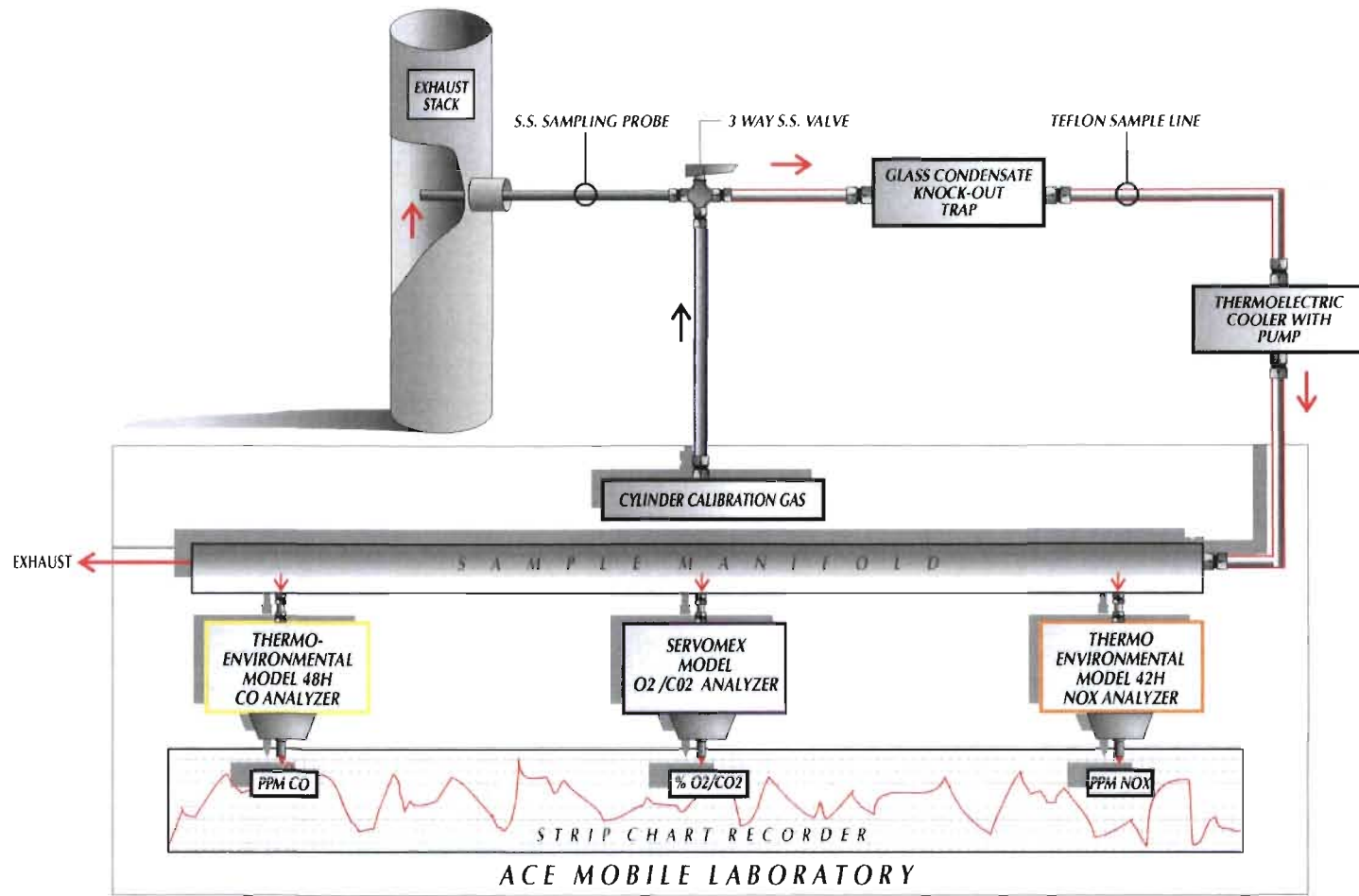
### *5.2 Determination of Carbon Monoxide Emissions from Stationary Source --EPA Method 10*

The sampling system is shown in Figure 2. A sample was drawn from the stack at a rate of approximately 2 SCFH. A stainless steel probe assembly was followed by a three-way stainless steel valve. The sample was pumped through an ice-cooled condensate trap followed by a 3/8" O.D. TEFLON sampling line. Calibration gases were introduced at the sampling interface (the three-way valve) through another 3/8" O.D. TEFLON line. The sample pump delivered gases to a manifold system where one flow is directed to a Thermo Electron Model 48H CO analyzer (NDIR with gas filter correlation). Excess flow is dumped to ambient. All instrument responses were recorded on a data logger system. The sampling system yields CO concentrations on a dry gas basis.

All calibration gases were certified NBS traceable, Protocol 1.

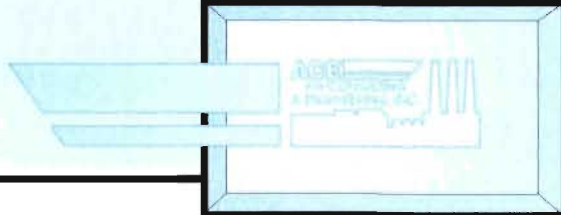
### *5.3 Determination of Ammonia Emissions From Stationary Sources (In-Stack Filtration Method) --EPA Method CTM027*

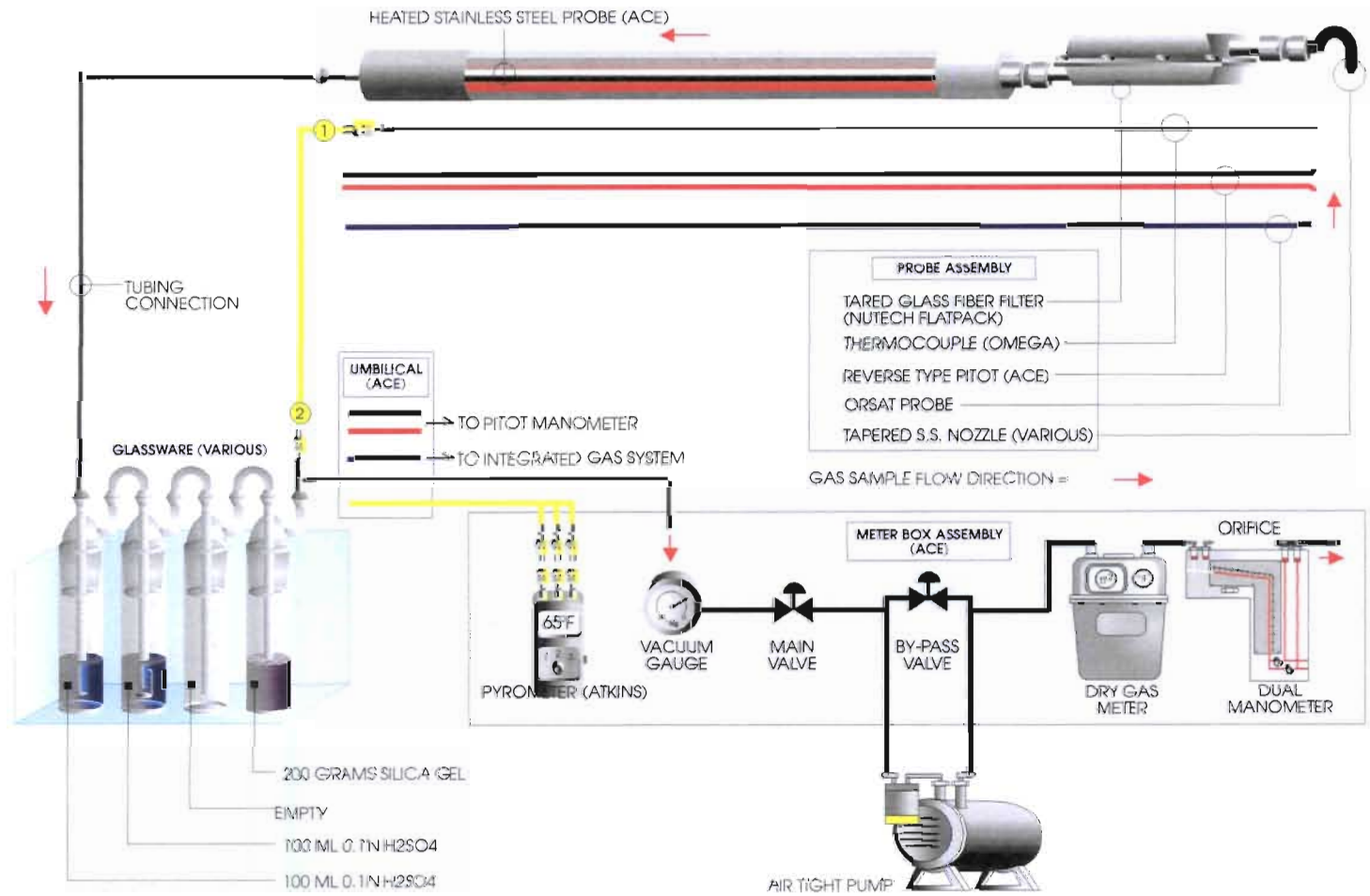
Ammonia samples were collected according to the United States Environmental Protection Agency (EPA) in Method 17 sampling train. A schematic diagram of the sampling train used is shown in Figure 3.



SOURCE: AIR CONSULTING & ENGINEERING, INC. (LAKECEM) 5/26/00

FIGURE 2.  
 EPA METHODS 10 AND 20 C.E.M SAMPLING SCHEMATIC  
 (DETERMINATION OF CARBON MONOXIDE,  
 NITROGEN OXIDES, AND OXYGEN  
 EMISSIONS FROM STATIONARY SOURCES





Copyright © Colleen Hodge 1998

FILENAME: (CTM027) 5/06

FIGURE 3.

EPA METHOD CTM027 SAMPLING SCHEMATIC  
(DETERMINATION OF AMMONIA EMISSIONS  
FROM STATIONARY SOURCES, IN-STACK FILTRATION METHOD)

## PREPARATION OF EQUIPMENT

1. FILTERS - Gelman type "A" filters, or their equivalents, were inspected, numbered, and placed in a drying oven for two hours at 105 degrees C.
2. NOZZLE, FILTER HOLDER, AND SAMPLING PROBE - The nozzle and in-stack filter holder made of borosilicate glass or Teflon were washed vigorously with soapy water and brushes, rinsed with distilled water and acetone, and dried prior to the test program. All openings on the sampling equipment were sealed while in transit to the test site.
3. IMPINGERS - The Greenburg-Smith impingers were cleaned with a warm soapy water solution and brushes, rinsed with distilled water and acetone, and dried. The impingers were sealed lightly during transit.

## TEST PROCEDURES

Prior to performing the actual sample runs, certain flue and exhaust gas parameters were measured. These preliminary measurements included the average gas temperature; the high, low, and average gas velocity head; the gas moisture content; and the flue dimensions at the point where the tests were being performed. The gas temperature was determined by using a bi-metallic thermocouple and calibrated pyrometer. Velocity head measurements were made with calibrated type "S" pitot tube and an inclined manometer. Velocity head measurements of 0.05 inches H<sub>2</sub>O or less were measured utilizing a micromanometer.

The sampling traverse points were selected so that a representative sample could be extracted from the gas stream. The traverse points were located in the center of equal areas, the number of which were dependent upon the distance upstream and downstream from flow disturbances (per EPA Method 1).

Each particulate matter test run consisted of sampling for a pre-determined specific time at each traverse point. The type "S" pitot tube and thermocouple were connected to the sampling probe so that instantaneous velocity head and temperature measurements could be made at each point during the test run (EPA Method 2).

Nomographs were used to calculate the isokinetic sampling rate at each traverse point during each test run.

The gases sampled passed through the following components: a stainless steel nozzle and stainless steel in-stack filter holder; a stainless steel probe; two impingers each with 100 ml of 0.1N H<sub>2</sub>SO<sub>4</sub>; one impinger dry; one impinger with 200 grams of indicating type silica gel (6-16 Mesh); a flexible sample line; an air-tight pump; a dry test meter; and a calibrated orifice. The second impinger had a standard tip, while the first, third, and fourth impingers had modified tips with a 0.5 inch I.D. opening. Sample recovery was accomplished by the following procedures:



1. The volume of fluid from the first three impingers was measured and then placed into clean HDPE bottles and then sent to the contract lab for analysis.
2. The used silica gel from the fourth impinger was transferred to the original tared container and sealed. It was weighed to the nearest 0.1 gram.

#### DATA

The field data sheets, calculation sheets, and nomenclature definitions are included in the Appendices of this report.

**APPENDIX A**

**AMMONIA SLIP DATA  
EMISSION SUMMARIES**

**AIR CONSULTING and ENGINEERING, INC.  
COMPLETE EMISSION DATA**

**COMPANY NAME:** US SUGAR CORP  
**LOCATION:** CLEWISTON, FL  
**SOURCE:** BOILER 8  
**DATE:** 9/16/05

RUN NUMBER:	1	IMPINGER ml.	309.0
BEGIN TIME ( hour : minute ):	9:44 AM	SILICA GEL. gms.	6.0
END TIME ( hour : minute ):	10:50 AM	% O2:	7.74
TOTAL RUN TIME:	60 MINUTES	% CO2:	12.77
BAROMETRIC PRESSURE:	30.05 inches Hg.	"F" FACTOR:	NA
STACK PRESSURE:	30.01 inches Hg.		
NOZZLE DIAMETER:	0.300 INCHES		
METER CORR. FACTOR:	0.997		
FINAL METER:	372.436 CUBIC FT.		
INITIAL METER:	329.703 CUBIC FT.		
STACK AREA:	93.599 SQ. FT.	AMMONIA mg.:	22.3
PITOT Cp:	0.84		

**EMISSION RESULTS**

NOZZLE AREA (SQ. FT.):	0.000491	VOLUMETRIC FLOW(ACFM):	254877
AVG. SQ. RT. VEL. HEAD:	0.6602	VOLUMETRIC FLOW(WVSCFM):	47254
AVG. VEL. HEAD (in H2O):	0.4375	VOLUMETRIC FLOW(DSCFM):	133612
AVG. STACK TEMP. (F):	286.1		
AVG. METER TEMP. (F):	80.8		
AVG. ORIFICE DIFFERENTIAL:	1.543	<b><u>AMMONIA SLIP EMISSION RATE:</u></b>	
METER ACF:	42.733		
METER SCF:	41.924	POUNDS PER HOUR:	9.420
MEASURED SCF MOISTURE:	14.827	POUNDS PER SCF.:	1.18E-06
MEASURED MOISTURE %:	26.13	GRAINS PER SCF.:	0.0082
STACK TEMP. (deg. C):	141.2	GRAINS PER SCF @ 7% O2:	0.0087
VAPOR PRESSURE:	109.8	GRAINS PER SCF @ 50% E.A.:	0.0087
SATURATION MOISTURE %:	NA	PPM @ 7% O2:	28.0854
PERCENT WATER VAPOR:	26.13		
GAS MOLECULAR WT.(dry):	30.35		
GAS MOLECULAR WT.(wet):	27.13		
PERCENT EXCESS AIR:	58.438		
AVERAGE VELOCITY(FPS):	45.4		
MMBTUH(if applicable):	427.18		
PERCENT ISOKINETIC:	99.74		

**AIR CONSULTING and ENGINEERING, INC.  
COMPLETE EMISSION DATA**

**COMPANY NAME:** US SUGAR CORP  
**LOCATION:** CLEWISTON, FL  
**SOURCE:** BOILER 8  
**DATE:** 9/16/05

RUN NUMBER:	2	IMPINGER ml.	360.0
BEGIN TIME ( hour : minute ):	11:49 AM	SILICA GEL. gms.	10.0
END TIME ( hour : minute ):	12:53 PM	% O2:	8.35
TOTAL RUN TIME:	60 MINUTES	% CO2:	11.61
BAROMETRIC PRESSURE:	30.05 inches Hg.	"F" FACTOR:	NA
STACK PRESSURE:	30.01 inches Hg.		
NOZZLE DIAMETER:	0.300 INCHES		
METER CORR. FACTOR:	0.997		
FINAL METER:	413.596 CUBIC FT.		
INITIAL METER:	372.928 CUBIC FT.		
STACK AREA:	93.599 SQ. FT.	AMMONIA mg.:	13.4
PITOT Cp:	0.84		

**EMISSION RESULTS**

NOZZLE AREA (SQ. FT.):	0.000491	VOLUMETRIC FLOW(ACFM):	243132
AVG. SQ. RT. VEL. HEAD:	0.6212	VOLUMETRIC FLOW(WVSCFM):	52682
AVG. VEL. HEAD (in H2O):	0.3875	VOLUMETRIC FLOW(DSCFM):	119425
AVG. STACK TEMP. (F):	287.9		
AVG. METER TEMP. (F):	86.3		
AVG. ORIFICE DIFFERENTIAL:	1.375	<b><u>AMMONIA SLIP EMISSION RATE:</u></b>	
METER ACF:	40.668		
METER SCF:	39.480	POUNDS PER HOUR:	5.370
MEASURED SCF MOISTURE:	17.416	POUNDS PER SCF.:	7.49E-07
MEASURED MOISTURE %:	30.61	GRAINS PER SCF.:	0.0052
STACK TEMP. (deg. C):	142.2	GRAINS PER SCF @ 7% O2:	0.0058
VAPOR PRESSURE:	113.0	GRAINS PER SCF @ 50% E.A.:	0.0058
SATURATION MOISTURE %:	NA	PPM @ 7% O2:	18.7877
PERCENT WATER VAPOR:	30.61		
GAS MOLECULAR WT.(dry):	30.19		
GAS MOLECULAR WT.(wet):	26.46		
PERCENT EXCESS AIR:	65.394		
AVERAGE VELOCITY(FPS):	43.3		
<b>MMBTUH(if applicable):</b>	<b>421.28</b>		
PERCENT ISOKINETIC:	105.08		

**AIR CONSULTING and ENGINEERING, INC.**  
**COMPLETE EMISSION DATA**

**COMPANY NAME:** US SUGAR CORP  
**LOCATION:** CLEWISTON, FL  
**SOURCE:** BOILER 8  
**DATE:** 9/16/05

RUN NUMBER:	3	IMPINGER ml.	306.0
BEGIN TIME ( hour : minute ):	1:27 PM	SILICA GEL. gms.	10.0
END TIME ( hour : minute ):	2:33 PM	% O2:	8.10
TOTAL RUN TIME:	60 MINUTES	% CO2:	11.92
BAROMETRIC PRESSURE:	30.05 inches Hg.	"F" FACTOR:	NA
STACK PRESSURE:	30.01 inches Hg.		
NOZZLE DIAMETER:	0.300 INCHES		
METER CORR. FACTOR:	0.997		
FINAL METER:	456.614 CUBIC FT.		
INITIAL METER:	414.011 CUBIC FT.		
STACK AREA:	93.599 SQ. FT.	AMMONIA mg.:	15.4
PITOT Cp:	0.84		

**EMISSION RESULTS**

NOZZLE AREA (SQ. FT.):	0.000491	VOLUMETRIC FLOW(ACFM):	254042
AVG. SQ. RT. VEL. HEAD:	0.6551	VOLUMETRIC FLOW(WVSCFM):	47767
AVG. VEL. HEAD (in H2O):	0.4308	VOLUMETRIC FLOW(DSCFM):	131883
AVG. STACK TEMP. (F):	288.7		
AVG. METER TEMP. (F):	90.4		
AVG. ORIFICE DIFFERENTIAL:	1.525	<b><u>AMMONIS SLIP EMISSION RATE:</u></b>	
METER ACF:	42.603		
METER SCF:	41.067	POUNDS PER HOUR:	6.537
MEASURED SCF MOISTURE:	14.874	POUNDS PER SCF.:	8.26E-07
MEASURED MOISTURE %:	26.59	GRAINS PER SCF.:	0.0058
STACK TEMP. (deg. C):	142.6	GRAINS PER SCF @ 7% O2:	0.0063
VAPOR PRESSURE:	114.3	GRAINS PER SCF @ 50% E.A.:	0.0063
SATURATION MOISTURE %:	NA	PPM @ 7% O2:	20.2934
PERCENT WATER VAPOR:	26.59		
GAS MOLECULAR WT.(dry):	30.23		
GAS MOLECULAR WT.(wet):	26.98		
PERCENT EXCESS AIR:	62.181		
AVERAGE VELOCITY(FPS):	45.2		
MMBTUH(if applicable):	424.18		
PERCENT ISOKINETIC:	98.98		

AIR CONSULTING and ENGINEERING, INC.

COMPANY NAME: US SUGAR CORP  
 LOCATION: CLEWISTON, FL  
 SOURCE: BOILER 8  
 DATE: 9/16/2005  
 RUN NUMBER: 1 FROM: 9:44 TO: 10:50

SOURCE PARAMETER ENTRIES

PORT-POINT	"inches"	VELOCITY	ORIFICE	DELTA P	STACK	METER
		HEAD	CALC.	ACTUAL		
1 - 1	38.76	0.45	1.60	1.60	278	76
1 - 2	19.18	0.43	1.53	1.50	289	76
1 - 3	5.71	0.45	1.60	1.60	285	77
2 - 1		0.55	1.96	1.90	284	78
2 - 2		0.45	1.60	1.60	286	79
2 - 3		0.35	1.25	1.20	287	80
3 - 1		0.45	1.60	1.60	285	82
3 - 2		0.35	1.25	1.20	287	82
3 - 3		0.47	1.67	1.70	289	83
4 - 1		0.47	1.67	1.67	284	85
4 - 2		0.45	1.60	1.60	290	86
4 - 3		0.38	1.35	1.35	289	86

AVERAGES: 0.438 1.543 286.08 80.83

AIR CONSULTING and ENGINEERING, INC.

COMPANY NAME: US SUGAR CORP  
 LOCATION: CLEWISTON, FL  
 SOURCE: BOILER 8  
 DATE: 9/16/2005  
 RUN NUMBER: 2 FROM: 11:49 TO: 12:53

SOURCE PARAMETER ENTRIES

PORT-POINT	VELOCITY	ORIFICE	DELTA P	STACK	METER	
"inches"	HEAD	CALC.	ACTUAL	TEMP_F	TEMP_F	
1 - 1	38.76	0.39	1.39	1.40	282	85
1 - 2	19.18	0.36	1.28	1.30	293	84
1 - 3	5.71	0.38	1.35	1.30	292	84
2 - 1		0.43	1.53	1.50	288	85
2 - 2		0.33	1.17	1.20	290	85
2 - 3		0.33	1.17	1.20	288	86
3 - 1		0.45	1.60	1.60	284	86
3 - 2		0.45	1.60	1.60	289	86
3 - 3		0.38	1.35	1.30	288	88
4 - 1		0.45	1.60	1.60	287	89
4 - 2		0.40	1.42	1.40	289	89
4 - 3		0.30	1.07	1.10	285	89

AVERAGES: 0.388 1.375 287.92 86.33

AIR CONSULTING and ENGINEERING, INC.

COMPANY NAME: US SUGAR CORP  
 LOCATION: CLEWISTON, FL  
 SOURCE: BOILER 8  
 DATE: 9/16/2005  
 RUN NUMBER: 3 FROM: 13:27 TO: 14:33

SOURCE PARAMETER ENTRIES

PORT-POINT	"inches"	VELOCITY	ORIFICE	DELTA P	STACK	METER
		HEAD	CALC.	ACTUAL		
1 - 1	38.76	0.45	1.60	1.60	288	90
1 - 2	19.18	0.43	1.53	1.50	289	89
1 - 3	5.71	0.35	1.25	1.20	288	89
2 - 1		0.55	1.96	2.00	289	88
2 - 2		0.48	1.71	1.70	291	89
2 - 3		0.38	1.35	1.40	289	90
3 - 1		0.45	1.60	1.60	288	91
3 - 2		0.45	1.60	1.60	289	91
3 - 3		0.45	1.60	1.60	290	91
4 - 1		0.40	1.42	1.40	289	91
4 - 2		0.43	1.53	1.50	288	93
4 - 3		0.35	1.25	1.20	286	93

AVERAGES: 0.431 1.525 288.67 90.42



**APPENDIX B**

**AMMONIA  
FIELD DATA SHEETS  
LABORATORY ANALYSIS**

PLANT USS Clewiston  
 SOURCE Boiler #8  
 PLANT LOCATION Clewiston FIA  
 TYPE OF SAMPLING TRAIN #5  
 TYPE OF SAMPLES Ammonia  
 DATE 9-16-05 RUN NUMBER 1  
 TIME START 0944 TIME END 1050  
 SAMPLE TIME 5/12 (MIN/PT)= 60 TOTAL MIN  
 ASSUMED MOISTURE(%) 25 FDA 75  
 NOMOGRAPH Cf 3.56 PITOT Cf .84  
 Pb ("Hg) 29.96 Ps ("Hg) 30.01  
 WEATHER CLEAR TEMP (F) 80°  
 METER BOX NO. 1 H 1.6217 Y 0.9972  
 NOZZLE IDENTIFICATION NO. 300  
 NOZZLE CAL \_\_\_\_\_ = \_\_\_\_\_  
 STACK DIMENSIONS 131" ID  
 STACK AREA (FT<sup>2</sup>) 92.599 EFFECTIVE (FT<sup>2</sup>) 92.599  
 STACK DIAMETERS:(UPSTREAM) 78 (DOWNSTREAM) 72  
 PORT SIZE 4" NIPPLE LENGTH 3"  
 STACK HEIGHT (FT) 200' UMBILICAL LENGTH 200'  
 AGENCY OBSERVER(S) \_\_\_\_\_  
 TEST COORDINATOR(S) \_\_\_\_\_  
 V. E. OBSERVER \_\_\_\_\_



2106 NW 67TH PLACE SUITE 4  
 GAINESVILLE, FLORIDA 32653  
 (352) 335-1889 - OFFICE / (352) 335-1891 - FAX

STACK CONFIGURATION

TEST ID R-1  
 PAGE 1 OF 2

MATERIAL PROCESSING RATE \_\_\_\_\_  
 GAS METER READINGS: FINAL 372.436 (FT<sup>3</sup>)  
 INITIAL 329.703 (FT<sup>3</sup>)  
 NET 42.733 (FT<sup>3</sup>)  
 FILTER NO. \_\_\_\_\_ IMP. VOL. GAIN 209 (ml)  
 SILICA GEL NO. 803 WT. GAIN 6.0 (ml)  
 TOTAL CONDENSATE \_\_\_\_\_ (ml)

ORSAT	1	2	3	4	AVG.
%CO2					12.77
%O2					7.74
%CO					
%N2					


Fo= \_\_\_\_\_ Fo RANGE= \_\_\_\_\_ ORSAT ANALYZER \_\_\_\_\_  
 LEAK CHECKS  
 PRE 0.000 CFM 13 ("Hg) POST 0.00 CFM 14 ("Hg)  
 METER BOX/PUMP \_\_\_\_\_ GAS SYSTEM \_\_\_\_\_ ORSAT BAG \_\_\_\_\_  
 PITOT TUBE NO. 73 PRE-TEST LEAK CHECK OK  
 POST TEST (+) 0.00 / 5 "H2O (15 SECONDS)  
 POST TEST (-) 0.00 / 4 "H2O (15 SECONDS)  
 PYROMETER NUMBER 1  
 BOX OPERATOR Carter PROBE HOLDER FRAZER

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

PORT & TRAVERSE PT. NUMBER	COMMENTS	CLOCK TIME	GAS METER READING (FT <sup>3</sup> )	STACK VELOCITY HEAD	METER ORIFICE PRESS. DIFF. ("H2O)		STACK GAS TEMP (F)	SAMPLE BOX TEMP (F)	LAST IMPINGER TEMP (F)	DRY GAS METER TEMP (F)	VACUUM ON SAMPLE TRAIN ("Hg)
					CALC.	ACTUAL					
1-1	100'	0944	329.703	.45	1.6	1.6	278	N/A	68	76	5
2		49	333.333	.45	1.6	1.6	278		68	76	5
3		54	336.851	.43	1.5	1.5	289		65	76	5
		59	340.456	.45	1.6	1.6	285		66	77	5.5
2-1		1006	348.189	.55	1.9	1.9	284		66	78	6
2		11	347.901	.45	1.6	1.6	286		66	79	6



PLANT USS CLEWISTON  
 SOURCE #8 Boiler  
 PLANT LOCATION Clewiston FIA  
 TYPE OF SAMPLING TRAIN #5  
 TYPE OF SAMPLES Ammonia  
 DATE 9-16-05 RUN NUMBER 2  
 TIME START 1149 TIME END 1253  
 SAMPLE TIME 5, 12 (MIN/PT) = 60 TOTAL MIN  
 ASSUMED MOISTURE(%) 25 FDA 75  
 NOMOGRAPH Cf 3.56 PITOT Cf .84  
 Pb ("Hg) 29.97 <sup>30.05</sup> Ps ("Hg) 30.01  
 WEATHER CLEAR TEMP (F) 80<sup>s</sup>  
 METER BOX NO. 1 H 1.6217 Y 0.9972  
 NOZZLE IDENTIFICATION NO. .300  
 NOZZLE CAL .300, .300, .300 = .300  
 STACK DIMENSIONS 131" dia  
 STACK AREA (FT<sup>2</sup>) \_\_\_\_\_ EFFECTIVE (FT<sup>2</sup>) \_\_\_\_\_  
 STACK DIAMETERS:(UPSTREAM) 78 (DOWNSTREAM) 72  
 PORT SIZE 4" NIPPLE LENGTH 3"  
 STACK HEIGHT (FT) 200 UMBILICAL LENGTH 200'  
 AGENCY OBSERVER(S) \_\_\_\_\_  
 TEST COORDINATOR(S) \_\_\_\_\_  
 V. E. OBSERVER \_\_\_\_\_

**ACE**  
 AIR CONSULTING  
 & ENGINEERING, INC.  
  
 2106 NW 67TH PLACE, SUITE 4  
 GAINESVILLE, FLORIDA 32653  
 (352) 335-1889 - OFFICE / (352) 335-1891 - FAX

STACK CONFIGURATION

REMARKS: \_\_\_\_\_

TEST ID R-2  
 PAGE 1 OF 2

MATERIAL PROCESSING RATE \_\_\_\_\_  
 GAS METER READINGS: FINAL 413,596 (FT3)  
 INITIAL 372,928 (FT3)  
 NET 40,668 (FT3)  
 FILTER NO. NA IMP. VOL GAIN 360 (ml)  
 SILICA GEL NO. 10 WT. GAIN 10.3 (ml)  
 TOTAL CONDENSATE \_\_\_\_\_ (ml)

ORSAT	1	2	3	4	AVG.
%CO2					11.61
%O2					8.35
%CO					
%N2					

Fo= \_\_\_\_\_ Fo RANGE= \_\_\_\_\_ ORSAT ANALYZER \_\_\_\_\_  
**LEAK CHECKS**  
 PRE: 0.00 CFM 12 ("Hg) POST 0.00 CFM 11 ("Hg)  
 METER BOX/PUMP  GAS SYSTEM  ORSAT BAG   
 PITOT TUBE NO. 73 PRE-TEST LEAK CHECK OK  
 POST TEST (+) 0.000 / 5 "H2O (15 SECONDS)  
 POST TEST (-) 0.00 / 4 "H2O (15 SECONDS)  
 PYROMETER NUMBER 1  
 BOX OPERATOR Carter PROBE HOLDER FRAZER

PORT & TRAVERSE PT. NUMBER	COMMENTS	CLOCK TIME	GAS METER READING (FT3)	STACK VELOCITY HEAD	METER ORIFICE PRESS. DIFF. ("H2O)		STACK GAS TEMP (F)	SAMPLE BOX TEMP (F)	LAST IMPINGER TEMP (F)	DRY GAS METER TEMP (F)	VACUUM ON SAMPLE TRAIN ("Hg)
					CALC.	ACTUAL					
1-1	1204	1154	376.34	.39	1.39	1.4	282	}	67	85	5
2		1159	379.68	.36	1.28	1.3	293		68	84	5
3		1204	383.016	.38	1.35	1.3	292		68	84	5
2-1		1209	386.381	.43	1.5	1.5	288	}	67	85	4.5
2		14	389.61	.33	1.17	1.2	290		66	85	5.0







**LABORATORY REPORT**

Ms Dagmar Fick  
 Air Consulting & Eng Inc  
 Ste 4 10  
 2106 NW 67<sup>th</sup> Pl  
 Gainesville FL 32653

Report Date: 10/05/05  
 Purchase Order #: Project # 238  
 Fax Number: 352-335-1891

SAMPLE ID	LAB ID	ANALYSIS	RESULTS		MATRIX SPIKE	
					RECOVERY	
US SUGAR A1-RUN 1 IMP 1	X-3142	Ammonium	17909	µg/sample		
US SUGAR A2-RUN 1 IMP 2	X-3143	Ammonium	5762	µg/sample	85.0	* %
US SUGAR A3-RUN 2 IMP 1	X-3144	Ammonium	13443	µg/sample		
US SUGAR A4-RUN 2 IMP 2	X-3145	Ammonium	777	µg/sample		
US SUGAR A5-RUN 3 IMP 1	X-3146	Ammonium	10656	µg/sample		
US SUGAR A6-RUN 3 IMP 2	X-3147	Ammonium	5648	µg/sample		
B-1 Blank 0.1 NH <sub>2</sub> SO <sub>4</sub>	X-3148	Ammonium	<10	µg/sample		
B-2 Blank DI H <sub>2</sub> O	X-3149	Ammonium	<10	µg/sample		

$$\text{Ammonia (NH}_3\text{)} = \text{Ammonium} \times \left( \frac{\text{MW (NH}_3\text{)}}{\text{MW (NH}_4\text{)}} \right)$$

This report shall not be reproduced, except in full, without the written approval of the laboratory. Page 1 of 2



LABORATORY REPORT

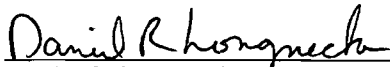
Ms Dagmar Fick  
Air Consulting & Eng Inc

Report Date: 10/05/05  
Lab ID #: X-3142-49

QUALITY ASSURANCE INFORMATION:

\* The matrix spike analysis was performed to satisfy method requirements. There is no additional charge for the matrix spike result.

Authorized Release of Data



Daniel R. Longnecker, Technical Manager

DRL:yb

This report shall not be reproduced, except in full, without the written approval of the laboratory.

Page 2 of 2

**APPENDIX C**

**GASEOUS EMISSION SUMMARY**

AIR CONSULTING and ENGINEERING, INC.

COMPLETE EMISSION DATA

US SUGAR CORP  
 CLEWISTON, FL  
 BOILER 8  
 9/16/05

	1	2	3
RUN NUMBER:	1	2	3
BEGIN TIME:	9:44 AM	11:49 AM	1:27 PM
END TIME:	10:50 AM	12:53 PM	2:33 PM
OXYGEN %:	7.74	8.35	8.10
VOLUMETRIC FLOW ( SCFMD ):	133612	119425	131883
TOTAL HEAT INPUT ( MMBTUH ):	427.2	421.3	424.2
"F" FACTOR:	NA	NA	NA
OXIDES of NITROGEN ( NOx ) PPM:	47.23	43.67	45.50
TOTAL HYDROCARBONS PPM as PROPANE ( THC ):	NA	NA	NA
METHANE PPM ( CH4 ):	NA	NA	NA
CARBON MONOXIDE PPM ( CO ):	468.13	369.44	203.71
SULFUR DIOXIDE PPM ( SO2 ):	NA	NA	NA
NOx:			
LB/HR:	45.21	37.36	42.99
LB/MMBTU:	0.106	0.089	0.101
VOC as CARBON:			
LB/HR:	NA	NA	NA
LB/MMBTU:	NA	NA	NA
CO:			
LB/HR:	272.68	192.35	117.13
LB/MMBTU:	0.638	0.457	0.276
SO2:			
LB/HR:	NA	NA	NA
LB/MMBTU:	NA	NA	NA

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

BIAS CORRECTIONS

US SUGAR CORPORATION  
CLEWISTON  
BOILER 8

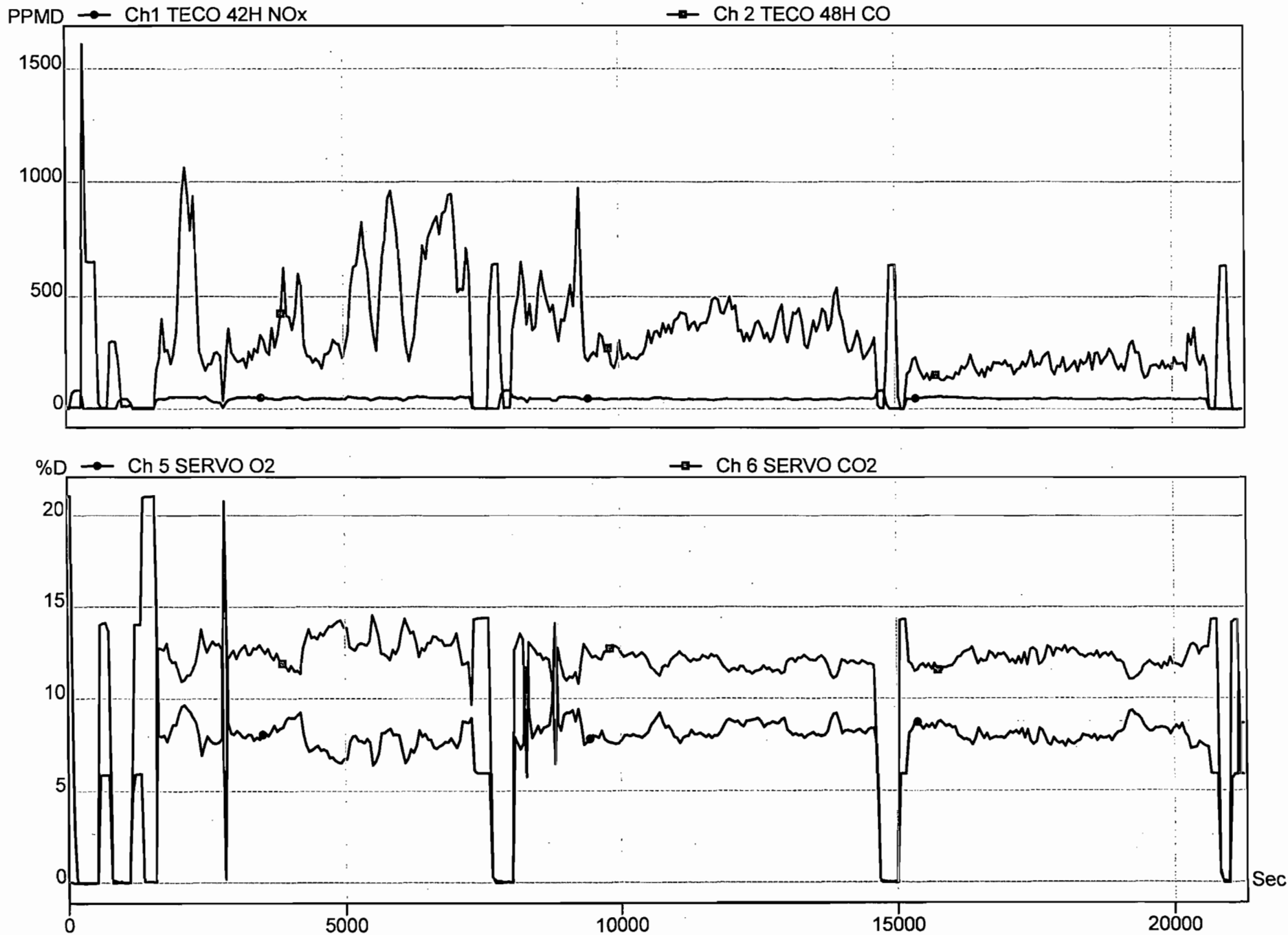
		GAS	CAL VAL	INITIAL		FINAL		RUN AVG PPM	AVERAGE		CORRECTED RUN PPM DRY
				BIAS	ZERO	BIAS	ZERO		BIAS	ZERO	
RUN:	1	NOx	82.86	82.74	0.34	81.56	1.15	47.15	82.15	0.75	47.23
DATE:	9/16/2005	CO	633.10	648.56	4.99	639.34	4.78	477.43	643.95	4.89	468.13
START:	9:44	O2	5.96	5.90	-0.02	5.99	0.00	7.72	5.95	-0.01	7.74
END:	10:50	CO2	14.06	14.13	0.00	14.39	0.02	12.96	14.26	0.01	12.77
RUN:	2	NOx	82.86	81.56	1.15	81.93	1.33	43.67	81.75	1.24	43.67
DATE:	9/16/2005	CO	633.10	639.34	4.78	637.54	2.51	374.08	638.44	3.65	369.44
START:	11:49	O2	5.96	5.99	0.00	5.95	-0.02	8.37	5.97	-0.01	8.35
END:	12:53	CO2	14.06	14.39	0.02	14.33	0.01	11.86	14.36	0.02	11.61
RUN:	3	NOx	82.86	81.93	1.33	80.73	0.91	45.16	81.33	1.12	45.50
DATE:	9/16/2005	CO	633.10	637.54	2.51	635.81	-0.08	205.69	636.68	1.22	203.71
START:	13:27	O2	5.96	5.95	-0.02	5.95	-0.04	8.09	5.95	-0.03	8.10
END:	14:33	CO2	14.06	14.33	0.01	14.33	0.03	12.15	14.33	0.02	11.92



**APPENDIX D**

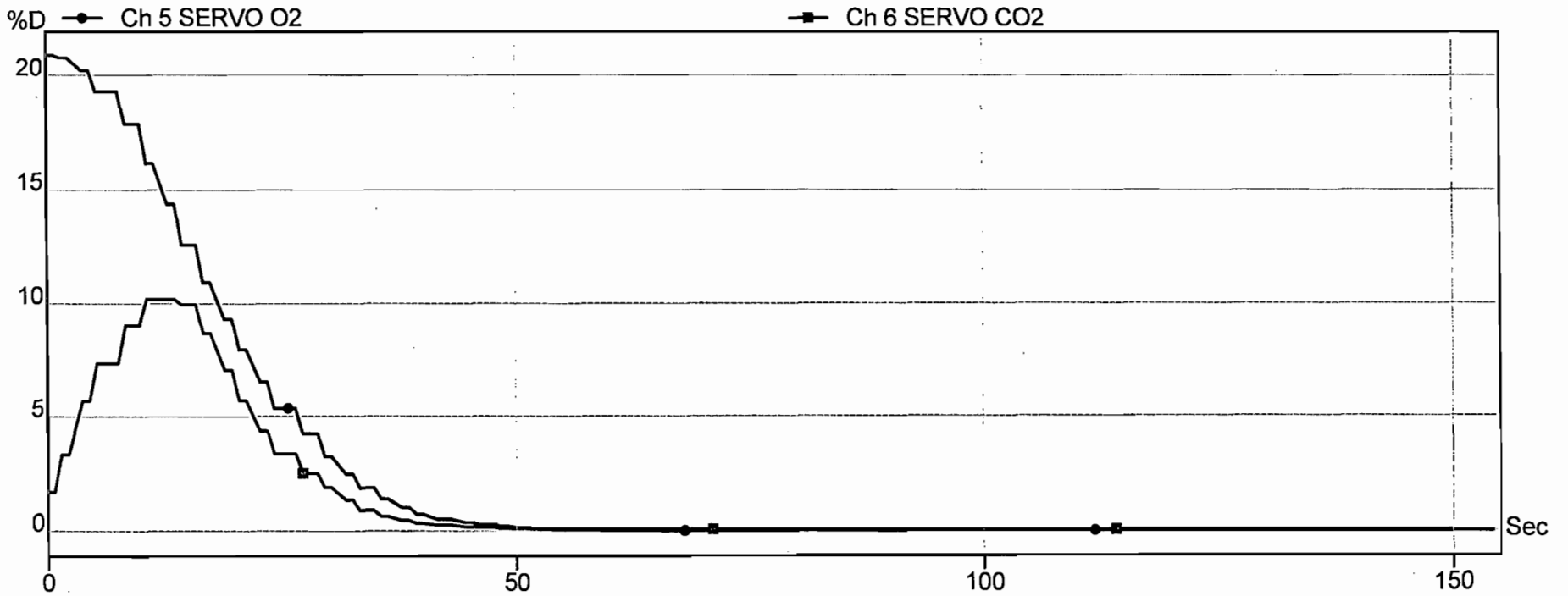
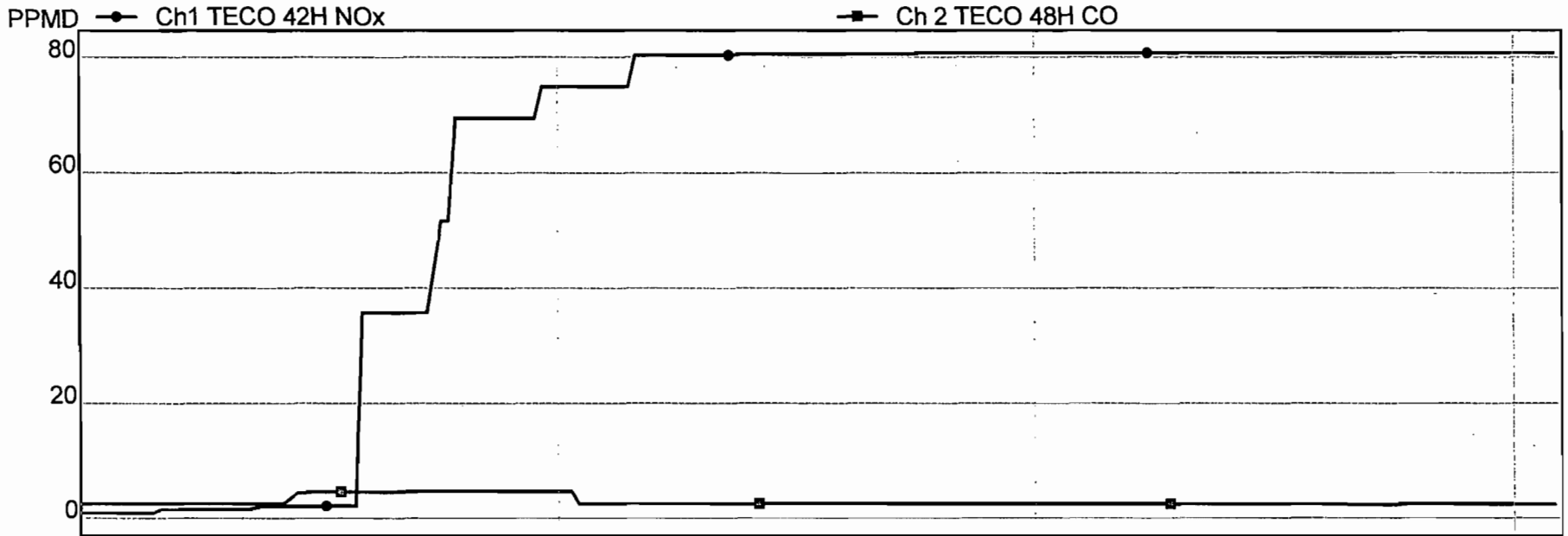
**STRIP CHART AND DATA  
LOGGER COPIES**

# Boiler 8



D:\BLR8WC.PLW 9/16/2005 08:50:46

# Boiler 8



D:\BLR8WC1.PLW 9/16/2005 14:47:20

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

**DATA LOGGER  
US SUGAR CORP  
BOILER 8**

Date	Time	Ch1	Ch 2	Ch 5	Ch 6	
		TECO	TECO	SERVO	SERVO	
		42H NOx	48H CO	O2	CO2	
		PPMD	PPMD	%D	%D	
		Average	Average	Average	Average	
9/16/2005	8:50:46	0.52	6.61	21.02	0.00	
9/16/2005	8:51:01	0.52	6.58	21.02	0.00	
9/16/2005	8:51:16	0.53	6.68	21.04	0.02	
9/16/2005	8:51:31	0.54	6.73	21.05	0.02	
9/16/2005	8:51:46	0.54	6.75	21.05	0.02	
9/16/2005	8:52:01	0.54	6.73	21.06	0.02	20.9 O2
9/16/2005	8:52:16	0.54	6.72	21.06	0.02	
9/16/2005	8:52:31	0.54	6.73	21.07	0.02	
9/16/2005	8:52:46	0.55	6.75	21.04	0.02	
9/16/2005	8:53:01	10.02	6.75	14.94	0.00	
9/16/2005	8:53:16	58.76	6.73	2.82	-0.03	
9/16/2005	8:53:31	77.74	6.67	0.29	-0.03	
9/16/2005	8:53:46	82.10	6.68	0.06	-0.04	
9/16/2005	8:54:01	82.54	6.68	0.03	-0.03	
9/16/2005	8:54:16	82.56	6.64	0.03	-0.04	
9/16/2005	8:54:31	82.74	8.22	0.03	-0.03	
9/16/2005	8:54:46	82.74	6.70	0.02	-0.03	
9/16/2005	8:55:01	82.73	6.81	0.02	-0.04	
9/16/2005	8:55:16	82.74	8.04	0.01	-0.03	82.86 NOx
9/16/2005	8:55:31	82.74	6.66	0.01	-0.04	
9/16/2005	8:55:46	82.73	6.65	0.00	-0.03	
9/16/2005	8:56:01	80.82	12.23	0.00	-0.04	
9/16/2005	8:56:16	73.24	135.44	0.02	-0.04	
9/16/2005	8:56:31	27.12	471.32	0.01	-0.05	
9/16/2005	8:56:46	3.77	1627.82	0.00	-0.05	
9/16/2005	8:57:01	0.72	1676.04	-0.01	-0.05	
9/16/2005	8:57:16	0.60	918.88	-0.01	-0.05	
9/16/2005	8:57:31	0.53	1557.43	-0.03	-0.05	
9/16/2005	8:57:46	0.54	654.07	-0.01	-0.05	
9/16/2005	8:58:01	0.53	654.01	-0.02	-0.06	
9/16/2005	8:58:16	0.54	651.81	-0.02	-0.06	
9/16/2005	8:58:31	0.54	648.77	-0.02	-0.06	
9/16/2005	8:58:46	0.54	650.26	-0.02	-0.05	
9/16/2005	8:59:01	0.54	650.25	-0.02	-0.05	
9/16/2005	8:59:16	0.54	649.58	-0.02	-0.05	
9/16/2005	8:59:31	0.54	648.58	-0.03	-0.05	
9/16/2005	8:59:46	0.54	648.56	-0.03	-0.05	633.10
9/16/2005	9:00:01	0.54	648.56	-0.03	-0.05	
9/16/2005	9:00:16	0.55	641.94	-0.02	0.54	
9/16/2005	9:00:31	1.71	542.18	1.93	8.77	
9/16/2005	9:00:46	2.04	242.85	5.09	13.47	
9/16/2005	9:01:01	1.45	96.52	5.80	13.96	
9/16/2005	9:01:16	1.32	19.03	5.87	14.02	
9/16/2005	9:01:31	1.25	6.47	5.88	14.05	
9/16/2005	9:01:46	1.13	5.01	5.89	14.08	
9/16/2005	9:02:01	1.13	4.99	5.89	14.09	
9/16/2005	9:02:16	1.13	4.98	5.89	14.11	
9/16/2005	9:02:31	1.12	4.99	5.90	14.12	ZERO CO
9/16/2005	9:02:46	1.13	4.98	5.90	14.13	
9/16/2005	9:03:01	1.05	4.97	5.90	14.13	5.95 O2, 14.06 CO2



AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6	
		TECO 42H NOx PPMD Average	TECO 48H CO PPMD Average	SERVO O2 %D Average	SERVO CO2 %D Average	
9/16/2005	9:03:16	0.92	4.99	5.90	14.14	
9/16/2005	9:03:31	0.93	4.93	5.91	14.15	
9/16/2005	9:03:46	1.19	8.71	5.87	12.73	
9/16/2005	9:04:01	1.58	53.03	3.57	3.28	
9/16/2005	9:04:16	1.78	185.30	0.61	0.36	
9/16/2005	9:04:31	0.90	265.50	0.02	0.09	
9/16/2005	9:04:46	0.55	294.98	-0.03	0.06	
9/16/2005	9:05:01	0.33	298.31	-0.07	0.06	
9/16/2005	9:05:16	0.31	<b>298.24</b>	-0.07	0.08	315.23 CO
9/16/2005	9:05:31	0.34	298.29	-0.01	0.09	
9/16/2005	9:05:46	0.34	296.22	-0.04	0.07	
9/16/2005	9:06:01	<b>0.34</b>	297.81	-0.02	0.07	ZERO NOx
9/16/2005	9:06:16	0.33	296.42	-0.02	0.05	
9/16/2005	9:06:31	0.34	296.38	0.02	0.01	
9/16/2005	9:06:46	0.34	296.40	0.04	0.00	
9/16/2005	9:07:01	5.82	268.99	0.10	0.00	
9/16/2005	9:07:16	27.83	155.80	0.06	0.00	
9/16/2005	9:07:31	39.88	50.53	-0.01	0.00	
9/16/2005	9:07:46	43.22	16.26	-0.02	0.00	
9/16/2005	9:08:01	43.48	10.97	-0.02	0.00	
9/16/2005	9:08:16	43.49	10.43	-0.02	0.00	
9/16/2005	9:08:31	43.50	10.40	-0.02	0.00	
9/16/2005	9:08:46	43.49	10.43	<b>-0.02</b>	<b>0.00</b>	ZERO O2, CO2
9/16/2005	9:09:01	43.49	10.41	-0.02	0.00	
9/16/2005	9:09:16	<b>43.50</b>	10.45	-0.02	-0.01	44.9 NOx
9/16/2005	9:09:31	43.50	10.44	-0.02	0.00	
9/16/2005	9:09:46	43.49	10.45	-0.01	0.00	
9/16/2005	9:10:01	43.50	10.46	-0.01	0.00	
9/16/2005	9:10:16	43.49	10.42	-0.02	0.00	
9/16/2005	9:10:31	43.50	10.69	0.05	0.45	
9/16/2005	9:10:46	33.68	15.10	4.95	4.29	
9/16/2005	9:11:01	10.17	14.49	12.38	5.82	
9/16/2005	9:11:16	2.38	8.97	13.89	5.92	
9/16/2005	9:11:31	0.55	5.29	14.02	5.93	
9/16/2005	9:11:46	0.54	4.96	14.03	5.94	
9/16/2005	9:12:01	0.35	4.92	14.03	5.95	
9/16/2005	9:12:16	0.34	4.92	14.03	5.95	
9/16/2005	9:12:31	0.33	4.92	14.04	5.95	
9/16/2005	9:12:46	0.33	4.93	<b>14.04</b>	<b>5.95</b>	14.01 O2, 5.939 CO2
9/16/2005	9:13:01	0.34	4.93	14.04	5.95	
9/16/2005	9:13:16	0.34	4.93	14.04	5.95	
9/16/2005	9:13:31	0.33	4.94	14.07	5.51	
9/16/2005	9:13:46	0.45	6.64	16.75	1.64	
9/16/2005	9:14:01	0.55	6.68	20.28	0.19	
9/16/2005	9:14:16	0.42	6.68	20.96	0.07	
9/16/2005	9:14:31	0.33	6.62	21.01	0.06	
9/16/2005	9:14:46	0.45	6.63	21.02	0.05	
9/16/2005	9:15:01	0.48	6.66	21.03	0.05	
9/16/2005	9:15:16	0.33	6.68	21.03	0.05	
9/16/2005	9:15:31	0.34	6.68	21.04	0.05	
9/16/2005	9:15:46	0.34	6.67	21.04	0.04	
9/16/2005	9:16:01	0.34	6.67	21.04	0.04	
9/16/2005	9:16:16	0.33	6.68	21.05	0.04	

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO 42H NOx PPMD Average	TECO 48H CO PPMD Average	SERVO O2 %D Average	SERVO CO2 %D Average
9/16/2005	9:16:31	0.33	6.65	21.05	0.04
9/16/2005	9:16:46	0.34	6.69	21.05	0.04
9/16/2005	9:17:01	0.34	6.68	21.05	0.04
9/16/2005	9:17:16	0.34	6.66	21.05	0.04
9/16/2005	9:17:31	0.34	6.68	21.06	0.04
9/16/2005	9:17:46	0.34	6.66	21.06	0.04
9/16/2005	9:18:01	0.99	6.67	21.06	0.57
9/16/2005	9:18:16	3.37	44.19	17.72	8.18
9/16/2005	9:18:31	26.55	116.09	9.85	12.43
9/16/2005	9:18:46	41.26	182.12	7.97	12.74
9/16/2005	9:19:01	44.12	204.38	7.89	12.69
9/16/2005	9:19:16	44.27	217.45	7.94	12.68
9/16/2005	9:19:31	44.02	227.74	7.96	12.71
9/16/2005	9:19:46	43.61	255.52	7.86	12.77
9/16/2005	9:20:01	42.81	310.58	7.98	12.56
9/16/2005	9:20:16	42.57	390.73	8.03	12.59
9/16/2005	9:20:31	43.57	380.37	7.97	12.79
9/16/2005	9:20:46	43.48	316.15	7.69	13.05
9/16/2005	9:21:01	42.21	276.65	7.70	12.89
9/16/2005	9:21:16	42.83	258.15	7.72	12.99
9/16/2005	9:21:31	42.33	257.32	7.67	12.99
9/16/2005	9:21:46	42.54	272.88	7.69	12.93
9/16/2005	9:22:01	45.10	277.83	7.85	12.53
9/16/2005	9:22:16	49.24	254.28	8.27	12.16
9/16/2005	9:22:31	50.36	220.80	8.40	12.11
9/16/2005	9:22:46	51.08	199.66	8.52	11.96
9/16/2005	9:23:01	52.27	200.93	8.60	11.95
9/16/2005	9:23:16	51.12	218.44	8.75	11.70
9/16/2005	9:23:31	51.42	244.14	8.94	11.67
9/16/2005	9:23:46	51.44	256.90	8.78	11.96
9/16/2005	9:24:01	50.95	240.45	8.61	11.90
9/16/2005	9:24:16	51.60	235.58	8.78	11.71
9/16/2005	9:24:31	52.75	252.49	8.99	11.48
9/16/2005	9:24:46	53.62	315.34	9.15	11.41
9/16/2005	9:25:01	54.14	387.82	9.26	11.29
9/16/2005	9:25:16	53.51	496.65	9.34	11.23
9/16/2005	9:25:31	53.03	598.71	9.43	11.05
9/16/2005	9:25:46	52.61	714.59	9.62	10.92
9/16/2005	9:26:01	52.19	833.27	9.68	10.90
9/16/2005	9:26:16	52.40	902.63	9.69	10.90
9/16/2005	9:26:31	52.25	930.85	9.68	10.96
9/16/2005	9:26:46	51.97	987.02	9.59	10.96
9/16/2005	9:27:01	51.60	1044.60	9.68	10.90
9/16/2005	9:27:16	51.82	1069.89	9.60	11.08
9/16/2005	9:27:31	52.21	998.22	9.37	11.34
9/16/2005	9:27:46	52.22	851.10	9.18	11.42
9/16/2005	9:28:01	51.67	823.81	9.19	11.31
9/16/2005	9:28:16	51.39	911.33	9.30	11.27
9/16/2005	9:28:31	52.02	954.84	9.32	11.21
9/16/2005	9:28:46	52.17	911.15	9.35	11.32
9/16/2005	9:29:01	51.76	839.17	9.10	11.55
9/16/2005	9:29:16	51.25	788.19	8.99	11.57
9/16/2005	9:29:31	51.36	807.39	8.97	11.60

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO 42H NOx PPMD Average	TECO 48H CO PPMD Average	SERVO O2 %D Average	SERVO CO2 %D Average
9/16/2005	9:29:46	51.51	849.03	8.91	11.69
9/16/2005	9:30:01	51.12	922.13	8.79	11.84
9/16/2005	9:30:16	50.30	1030.20	8.65	11.86
9/16/2005	9:30:31	51.35	1023.03	8.61	12.09
9/16/2005	9:30:46	51.70	826.92	8.23	12.50
9/16/2005	9:31:01	50.37	578.86	7.97	12.87
9/16/2005	9:31:16	48.33	369.19	7.50	13.43
9/16/2005	9:31:31	46.38	284.29	7.11	13.70
9/16/2005	9:31:46	45.32	258.34	6.97	13.76
9/16/2005	9:32:01	45.54	251.32	6.98	13.59
9/16/2005	9:32:16	47.09	240.44	7.27	13.27
9/16/2005	9:32:31	48.70	225.22	7.45	13.12
9/16/2005	9:32:46	50.51	201.56	7.62	12.95
9/16/2005	9:33:01	53.00	189.13	7.71	12.94
9/16/2005	9:33:16	52.87	178.72	7.69	12.89
9/16/2005	9:33:31	52.93	172.48	7.88	12.58
9/16/2005	9:33:46	51.89	175.52	8.04	12.64
9/16/2005	9:34:01	48.89	182.54	7.87	12.81
9/16/2005	9:34:16	46.58	191.07	7.82	12.85
9/16/2005	9:34:31	43.49	206.39	7.79	12.85
9/16/2005	9:34:46	40.96	218.61	7.76	12.97
9/16/2005	9:35:01	37.28	214.30	7.62	13.08
9/16/2005	9:35:16	35.15	202.79	7.62	13.06
9/16/2005	9:35:31	32.39	201.37	7.52	13.23
9/16/2005	9:35:46	30.62	211.94	7.46	13.21
9/16/2005	9:36:01	29.51	230.51	7.49	13.11
9/16/2005	9:36:16	29.23	246.40	7.67	12.86
9/16/2005	9:36:31	29.48	249.51	7.82	12.79
9/16/2005	9:36:46	29.35	244.08	7.82	12.89
9/16/2005	9:37:01	28.12	249.71	7.70	13.00
9/16/2005	9:37:16	27.11	256.70	7.74	12.83
9/16/2005	9:37:31	27.06	248.11	7.83	12.85
9/16/2005	9:37:46	27.31	236.12	7.79	12.82
9/16/2005	9:38:01	27.51	234.34	7.90	12.70
9/16/2005	9:38:16	27.97	230.36	8.82	9.05
9/16/2005	9:38:31	15.17	160.96	16.65	1.42
9/16/2005	9:38:46	5.80	66.85	20.50	0.23
9/16/2005	9:39:01	3.87	25.13	20.63	2.29
9/16/2005	9:39:16	8.59	67.10	16.47	7.63
9/16/2005	9:39:31	20.86	153.87	10.85	11.69
9/16/2005	9:39:46	29.84	222.11	8.65	12.15
9/16/2005	9:40:01	35.04	274.52	8.29	12.44
9/16/2005	9:40:16	36.07	324.02	8.09	12.53
9/16/2005	9:40:31	38.56	350.98	8.12	12.39
9/16/2005	9:40:46	40.28	347.84	8.19	12.39
9/16/2005	9:41:01	41.19	326.41	8.23	12.34
9/16/2005	9:41:16	42.47	282.21	8.18	12.48
9/16/2005	9:41:31	42.66	254.27	8.05	12.62
9/16/2005	9:41:46	42.66	240.07	7.97	12.67
9/16/2005	9:42:01	43.14	236.17	7.99	12.51
9/16/2005	9:42:16	45.81	230.55	8.22	12.21
9/16/2005	9:42:31	48.45	210.29	8.39	12.08
9/16/2005	9:42:46	50.05	192.10	8.56	12.00

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6				
		TECO	TECO	SERVO	SERVO				
		42H NOx	48H CO	O2	CO2				
		PPMD	PPMD	%D	%D				
		Average	Average	Average	Average				
9/16/2005	9:43:01	50.99	196.97	8.42	12.38				
9/16/2005	9:43:16	50.02	212.13	8.15	12.49				
9/16/2005	9:43:31	49.91	216.99	8.16	12.40				
9/16/2005	9:43:46	49.63	215.72	8.15	12.56				
9/16/2005	9:44:01	49.24	215.07	8.00	12.70				
9/16/2005	9:44:16	48.97	226.31	7.91	12.73				
9/16/2005	9:44:31	50.10	245.41	7.94	12.65				
9/16/2005	9:44:46	50.58	243.18	7.99	12.66				
9/16/2005	9:45:01	50.28	227.24	7.87	12.92				
9/16/2005	9:45:16	49.01	218.84	7.70	12.94				
9/16/2005	9:45:31	48.39	212.17	7.78	12.80				
9/16/2005	9:45:46	49.31	193.57	7.97	12.49				
9/16/2005	9:46:01	51.82	182.86	8.18	12.48				
9/16/2005	9:46:16	52.24	201.76	8.05	12.65				
9/16/2005	9:46:31	53.12	240.32	8.04	12.49				
9/16/2005	9:46:46	53.05	248.39	8.09	12.50				
9/16/2005	9:47:01	51.36	230.19	7.95	12.73				
9/16/2005	9:47:16	50.81	221.58	7.81	12.93				
9/16/2005	9:47:31	49.15	219.68	7.73	12.83				
9/16/2005	9:47:46	48.90	209.62	7.91	12.74				
9/16/2005	9:48:01	50.27	213.29	7.81	12.87				
9/16/2005	9:48:16	49.84	239.54	7.82	12.72				
9/16/2005	9:48:31	50.69	261.83	7.92	12.69				
9/16/2005	9:48:46	51.07	285.13	7.99	12.61				
9/16/2005	9:49:01	50.65	280.88	7.99	12.73				
9/16/2005	9:49:16	48.57	258.03	7.86	12.86				
9/16/2005	9:49:31	48.35	255.59	7.77	12.85				
9/16/2005	9:49:46	49.04	275.25	7.95	12.51				
9/16/2005	9:50:01	49.85	297.76	8.16	12.49				
9/16/2005	9:50:16	48.25	334.84	8.06	12.65				
9/16/2005	9:50:31	48.48	346.20	8.05	12.53				
9/16/2005	9:50:46	48.38	331.42	8.09	12.56				
9/16/2005	9:51:01	47.88	309.61	8.12	12.46				
9/16/2005	9:51:16	49.10	321.47	8.16	12.51				
9/16/2005	9:51:31	49.01	326.09	8.13	12.40				
9/16/2005	9:51:46	48.43	290.71	8.26	12.38				
9/16/2005	9:52:01	47.57	262.18	8.03	12.69				
9/16/2005	9:52:16	45.55	248.41	7.94	12.65				
9/16/2005	9:52:31	45.37	242.32	8.06	12.45				
9/16/2005	9:52:46	45.65	240.48	8.20	12.35				
9/16/2005	9:53:01	45.71	262.38	8.30	12.20				
9/16/2005	9:53:16	45.85	334.97	8.41	12.12				
9/16/2005	9:53:31	45.57	366.12	8.53	11.99				
9/16/2005	9:53:46	44.73	353.45	8.51	12.20				
9/16/2005	9:54:01	42.94	334.25	8.30	12.37				
9/16/2005	9:54:16	42.38	309.50	8.26	12.31				
9/16/2005	9:54:31	41.75	287.80	8.27	12.38				
9/16/2005	9:54:46	41.33	274.68	8.17	12.51				
9/16/2005	9:55:01	41.26	290.71	8.12	12.46				
9/16/2005	9:55:16	41.32	322.73	8.20	12.30				
9/16/2005	9:55:31	42.26	327.74	8.43	12.02				
9/16/2005	9:55:46	43.05	310.10	8.60	11.99				
9/16/2005	9:56:01	43.86	315.97	8.50	12.15				

START RUN 1				
RUN AVERAGES:				
NOx	CO	O2	CO2	
47.15	477.43	7.72	12.96	

AIR CONSULTING AND ENGINEERING, INC.  
 2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO 42H NOx PPMD Average	TECO 48H CO PPMD Average	SERVO O2 %D Average	SERVO CO2 %D Average
9/16/2005	9:56:16	42.74	382.18	8.45	12.02
9/16/2005	9:56:31	44.74	486.18	8.69	11.68
9/16/2005	9:56:46	46.95	607.20	8.98	11.62
9/16/2005	9:57:01	48.66	661.09	8.92	11.74
9/16/2005	9:57:16	49.16	582.79	8.84	11.74
9/16/2005	9:57:31	49.29	467.91	8.85	11.74
9/16/2005	9:57:46	49.15	396.89	8.86	11.70
9/16/2005	9:58:01	48.96	411.21	8.92	11.58
9/16/2005	9:58:16	48.43	460.43	9.09	11.53
9/16/2005	9:58:31	48.51	473.33	8.97	11.66
9/16/2005	9:58:46	49.09	469.28	8.99	11.59
9/16/2005	9:59:01	50.20	414.79	8.93	11.75
9/16/2005	9:59:16	49.64	337.49	8.83	11.75
9/16/2005	9:59:31	49.71	308.57	8.94	11.66
9/16/2005	9:59:46	49.87	331.50	8.91	11.64
9/16/2005	10:00:01	50.41	392.63	9.12	11.38
9/16/2005	10:00:16	50.97	426.70	9.19	11.55
9/16/2005	10:00:31	51.29	404.42	9.02	11.60
9/16/2005	10:00:46	51.00	442.10	9.08	11.49
9/16/2005	10:01:01	50.57	492.99	9.12	11.48
9/16/2005	10:01:16	50.96	544.90	9.13	11.46
9/16/2005	10:01:31	51.14	585.45	9.17	11.37
9/16/2005	10:01:46	51.02	587.99	9.24	11.54
9/16/2005	10:02:01	49.80	557.67	8.80	12.05
9/16/2005	10:02:16	46.71	558.28	8.43	12.31
9/16/2005	10:02:31	45.22	543.63	8.11	12.75
9/16/2005	10:02:46	43.98	466.04	7.78	13.01
9/16/2005	10:03:01	42.25	381.15	7.55	13.21
9/16/2005	10:03:16	41.07	307.43	7.46	13.22
9/16/2005	10:03:31	40.87	259.98	7.44	13.34
9/16/2005	10:03:46	40.75	230.69	7.39	13.34
9/16/2005	10:04:01	40.55	222.88	7.35	13.47
9/16/2005	10:04:16	40.16	244.05	7.14	13.74
9/16/2005	10:04:31	39.82	256.84	6.98	13.73
9/16/2005	10:04:46	40.56	246.04	7.10	13.57
9/16/2005	10:05:01	42.31	237.91	7.18	13.44
9/16/2005	10:05:16	44.19	228.39	7.39	13.22
9/16/2005	10:05:31	44.93	213.57	7.48	13.25
9/16/2005	10:05:46	45.09	205.08	7.42	13.35
9/16/2005	10:06:01	45.10	206.70	7.31	13.27
9/16/2005	10:06:16	44.54	215.19	7.35	13.29
9/16/2005	10:06:31	44.00	222.10	7.35	13.34
9/16/2005	10:06:46	44.15	224.46	7.43	13.24
9/16/2005	10:07:01	44.74	215.97	7.44	13.32
9/16/2005	10:07:16	45.01	200.76	7.45	13.24
9/16/2005	10:07:31	45.07	199.46	7.44	13.43
9/16/2005	10:07:46	44.67	212.08	7.23	13.57
9/16/2005	10:08:01	43.97	211.93	7.18	13.61
9/16/2005	10:08:16	44.52	191.45	7.07	13.62
9/16/2005	10:08:31	45.83	182.31	7.18	13.47
9/16/2005	10:08:46	46.67	182.83	7.31	13.45
9/16/2005	10:09:01	46.99	188.44	7.25	13.52
9/16/2005	10:09:16	47.08	200.97	7.26	13.47

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO	TECO	SERVO	SERVO
		42H NOx	48H CO	O2	CO2
		PPMD	PPMD	%D	%D
		Average	Average	Average	Average
9/16/2005	10:09:31	46.37	237.50	7.17	13.70
9/16/2005	10:09:46	46.38	260.10	7.04	13.68
9/16/2005	10:10:01	46.63	246.80	7.06	13.79
9/16/2005	10:10:16	45.14	240.26	6.88	13.95
9/16/2005	10:10:31	45.07	247.52	6.84	13.87
9/16/2005	10:10:46	44.78	257.85	6.89	13.93
9/16/2005	10:11:01	44.48	262.30	6.82	13.94
9/16/2005	10:11:16	45.13	256.65	6.85	13.95
9/16/2005	10:11:31	43.54	252.93	6.78	13.97
9/16/2005	10:11:46	42.90	265.13	6.84	13.93
9/16/2005	10:12:01	43.41	290.40	6.76	14.07
9/16/2005	10:12:16	43.11	311.42	6.68	14.13
9/16/2005	10:12:31	42.23	326.26	6.60	14.16
9/16/2005	10:12:46	42.21	316.80	6.61	14.17
9/16/2005	10:13:01	43.13	294.25	6.58	14.20
9/16/2005	10:13:16	42.57	279.91	6.55	14.23
9/16/2005	10:13:31	42.21	282.98	6.54	14.22
9/16/2005	10:13:46	42.20	285.84	6.57	14.22
9/16/2005	10:14:01	42.54	285.02	6.53	14.21
9/16/2005	10:14:16	42.96	265.69	6.67	14.00
9/16/2005	10:14:31	43.85	235.17	6.77	14.02
9/16/2005	10:14:46	44.27	226.61	6.76	13.94
9/16/2005	10:15:01	44.32	223.84	6.91	13.80
9/16/2005	10:15:16	44.76	221.86	6.93	13.95
9/16/2005	10:15:31	43.55	245.77	6.75	13.99
9/16/2005	10:15:46	45.15	270.58	6.95	13.56
9/16/2005	10:16:01	49.81	264.22	7.35	13.21
9/16/2005	10:16:16	52.83	274.98	7.58	13.04
9/16/2005	10:16:31	54.22	325.29	7.69	12.87
9/16/2005	10:16:46	54.00	407.23	7.90	12.68
9/16/2005	10:17:01	52.81	469.93	7.93	12.69
9/16/2005	10:17:16	52.88	521.98	7.99	12.64
9/16/2005	10:17:31	52.06	574.49	7.95	12.69
9/16/2005	10:17:46	50.97	626.88	7.97	12.62
9/16/2005	10:18:01	49.82	630.21	8.04	12.58
9/16/2005	10:18:16	50.50	632.38	8.01	12.62
9/16/2005	10:18:31	49.45	631.18	8.00	12.71
9/16/2005	10:18:46	49.32	588.44	7.84	12.87
9/16/2005	10:19:01	50.49	586.82	7.77	12.90
9/16/2005	10:19:16	49.20	654.47	7.74	12.90
9/16/2005	10:19:31	47.97	703.92	7.77	12.83
9/16/2005	10:19:46	47.25	692.90	7.85	12.85
9/16/2005	10:20:01	46.82	713.79	7.74	13.00
9/16/2005	10:20:16	47.05	782.46	7.69	13.01
9/16/2005	10:20:31	46.47	814.86	7.61	13.17
9/16/2005	10:20:46	46.42	827.27	7.55	13.07
9/16/2005	10:21:01	47.23	794.94	7.72	12.83
9/16/2005	10:21:16	47.78	717.90	7.94	12.69
9/16/2005	10:21:31	48.12	671.68	7.94	12.78
9/16/2005	10:21:46	48.13	668.21	7.85	12.87
9/16/2005	10:22:01	47.89	713.46	7.79	12.85
9/16/2005	10:22:16	46.97	752.10	7.85	12.89
9/16/2005	10:22:31	46.15	697.18	7.71	13.04

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO 42H NOx PPMD Average	TECO 48H CO PPMD Average	SERVO O2 %D Average	SERVO CO2 %D Average
9/16/2005	10:22:46	45.34	583.03	7.57	13.37
9/16/2005	10:23:01	43.61	474.34	7.15	13.84
9/16/2005	10:23:16	41.52	423.84	6.84	14.12
9/16/2005	10:23:31	38.95	431.69	6.51	14.47
9/16/2005	10:23:46	38.09	451.62	6.27	14.42
9/16/2005	10:24:01	38.70	435.10	6.37	14.33
9/16/2005	10:24:16	41.09	363.23	6.52	14.17
9/16/2005	10:24:31	43.62	309.21	6.71	14.02
9/16/2005	10:24:46	44.58	282.62	6.83	13.91
9/16/2005	10:25:01	45.13	269.09	6.91	13.84
9/16/2005	10:25:16	46.02	261.28	7.06	13.53
9/16/2005	10:25:31	49.44	271.72	7.38	13.18
9/16/2005	10:25:46	51.03	320.78	7.70	12.78
9/16/2005	10:26:01	50.94	389.35	8.05	12.50
9/16/2005	10:26:16	50.59	500.45	8.17	12.41
9/16/2005	10:26:31	50.31	538.12	8.24	12.40
9/16/2005	10:26:46	50.02	572.77	8.15	12.50
9/16/2005	10:27:01	49.31	659.34	8.16	12.42
9/16/2005	10:27:16	48.62	744.27	8.22	12.38
9/16/2005	10:27:31	48.52	767.82	8.25	12.37
9/16/2005	10:27:46	48.28	762.92	8.26	12.33
9/16/2005	10:28:01	47.58	719.74	8.31	12.28
9/16/2005	10:28:16	47.68	700.14	8.33	12.25
9/16/2005	10:28:31	47.36	746.33	8.29	12.23
9/16/2005	10:28:46	47.11	871.65	8.38	12.12
9/16/2005	10:29:01	46.64	989.88	8.39	12.33
9/16/2005	10:29:16	45.62	1019.77	8.11	12.65
9/16/2005	10:29:31	45.97	980.24	8.02	12.59
9/16/2005	10:29:46	46.25	960.97	8.02	12.68
9/16/2005	10:30:01	46.41	954.06	7.96	12.74
9/16/2005	10:30:16	47.13	906.91	7.91	12.70
9/16/2005	10:30:31	48.13	878.53	8.07	12.46
9/16/2005	10:30:46	49.29	838.62	8.16	12.48
9/16/2005	10:31:01	50.15	799.89	8.18	12.44
9/16/2005	10:31:16	49.67	790.24	8.13	12.57
9/16/2005	10:31:31	48.71	774.19	7.94	12.95
9/16/2005	10:31:46	47.84	775.36	7.61	13.18
9/16/2005	10:32:01	46.81	739.06	7.49	13.32
9/16/2005	10:32:16	45.19	648.15	7.31	13.65
9/16/2005	10:32:31	41.80	591.83	6.98	13.98
9/16/2005	10:32:46	39.53	513.27	6.76	14.16
9/16/2005	10:33:01	36.92	436.79	6.60	14.29
9/16/2005	10:33:16	35.67	403.75	6.52	14.31
9/16/2005	10:33:31	35.83	391.45	6.57	14.24
9/16/2005	10:33:46	37.57	336.25	6.63	14.15
9/16/2005	10:34:01	40.89	289.21	6.76	13.96
9/16/2005	10:34:16	43.73	252.75	6.93	13.79
9/16/2005	10:34:31	46.79	233.68	7.11	13.53
9/16/2005	10:34:46	48.51	218.36	7.31	13.47
9/16/2005	10:35:01	49.63	203.53	7.25	13.56
9/16/2005	10:35:16	49.37	208.92	7.19	13.62
9/16/2005	10:35:31	48.55	230.62	7.12	13.68
9/16/2005	10:35:46	48.13	260.38	7.11	13.66

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO 42H NOx PPMD Average	TECO 48H CO PPMD Average	SERVO O2 %D Average	SERVO CO2 %D Average
9/16/2005	10:36:01	47.60	270.63	7.08	13.73
9/16/2005	10:36:16	46.57	273.77	7.11	13.54
9/16/2005	10:36:31	48.81	285.67	7.33	13.31
9/16/2005	10:36:46	51.06	337.50	7.55	12.98
9/16/2005	10:37:01	53.70	382.24	7.88	12.59
9/16/2005	10:37:16	55.89	420.55	8.15	12.40
9/16/2005	10:37:31	55.92	472.33	8.26	12.29
9/16/2005	10:37:46	54.48	553.63	8.24	12.50
9/16/2005	10:38:01	52.53	595.85	8.10	12.56
9/16/2005	10:38:16	52.14	592.59	8.04	12.68
9/16/2005	10:38:31	51.59	595.64	7.95	12.74
9/16/2005	10:38:46	51.89	616.56	7.93	12.65
9/16/2005	10:39:01	52.95	653.23	8.09	12.50
9/16/2005	10:39:16	53.21	711.13	8.10	12.58
9/16/2005	10:39:31	53.26	712.69	7.99	12.73
9/16/2005	10:39:46	53.12	680.29	7.92	12.73
9/16/2005	10:40:01	52.53	660.60	7.92	12.80
9/16/2005	10:40:16	51.69	681.55	7.75	13.03
9/16/2005	10:40:31	51.16	747.29	7.64	13.05
9/16/2005	10:40:46	50.88	784.04	7.68	12.91
9/16/2005	10:41:01	50.46	763.70	7.78	12.96
9/16/2005	10:41:16	49.72	752.43	7.64	13.08
9/16/2005	10:41:31	49.96	780.58	7.57	13.23
9/16/2005	10:41:46	49.23	803.86	7.41	13.32
9/16/2005	10:42:01	47.51	791.47	7.37	13.40
9/16/2005	10:42:16	46.69	794.35	7.32	13.37
9/16/2005	10:42:31	47.72	806.61	7.35	13.40
9/16/2005	10:42:46	47.60	815.64	7.32	13.39
9/16/2005	10:43:01	46.79	828.31	7.41	13.18
9/16/2005	10:43:16	48.16	846.38	7.56	13.14
9/16/2005	10:43:31	48.26	865.17	7.48	13.26
9/16/2005	10:43:46	48.40	821.81	7.49	13.15
9/16/2005	10:44:01	48.74	750.41	7.57	13.15
9/16/2005	10:44:16	48.35	707.30	7.58	13.11
9/16/2005	10:44:31	47.74	764.68	7.55	13.17
9/16/2005	10:44:46	47.03	821.34	7.56	13.10
9/16/2005	10:45:01	46.66	827.99	7.59	13.11
9/16/2005	10:45:16	47.06	853.56	7.62	13.01
9/16/2005	10:45:31	48.23	856.17	7.75	12.83
9/16/2005	10:45:46	48.86	841.34	7.85	12.83
9/16/2005	10:46:01	48.94	843.76	7.75	13.06
9/16/2005	10:46:16	48.21	861.73	7.62	12.98
9/16/2005	10:46:31	47.32	899.85	7.72	12.99
9/16/2005	10:46:46	47.24	957.56	7.69	12.92
9/16/2005	10:47:01	47.77	960.36	7.85	12.77
9/16/2005	10:47:16	47.88	938.08	7.83	12.90
9/16/2005	10:47:31	47.31	940.89	7.75	12.97
9/16/2005	10:47:46	47.06	947.03	7.71	13.00
9/16/2005	10:48:01	47.18	946.00	7.64	13.12
9/16/2005	10:48:16	47.43	941.87	7.61	13.02
9/16/2005	10:48:31	46.98	936.31	7.65	13.15
9/16/2005	10:48:46	45.79	893.59	7.50	13.30
9/16/2005	10:49:01	43.73	815.45	7.31	13.58



AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6	
		TECO	TECO	SERVO	SERVO	
		42H NOx	48H CO	O2	CO2	
		PPMD	PPMD	%D	%D	
		Average	Average	Average	Average	
9/16/2005	10:49:16	42.33	750.11	7.14	13.56	
9/16/2005	10:49:31	45.98	666.94	7.38	13.14	
9/16/2005	10:49:46	48.74	547.27	7.70	12.79	
9/16/2005	10:50:01	50.97	514.75	8.14	12.24	END RUN 1
9/16/2005	10:50:16	52.72	523.71	8.45	12.09	
9/16/2005	10:50:31	53.87	533.72	8.61	11.89	
9/16/2005	10:50:46	54.11	522.03	8.78	11.82	
9/16/2005	10:51:01	53.79	495.53	8.82	11.80	
9/16/2005	10:51:16	53.61	492.83	8.79	11.89	
9/16/2005	10:51:31	52.69	528.66	8.73	11.86	
9/16/2005	10:51:46	52.01	587.68	8.72	11.91	
9/16/2005	10:52:01	51.68	604.83	8.76	11.80	
9/16/2005	10:52:16	51.69	653.24	8.78	11.88	
9/16/2005	10:52:31	50.22	736.24	8.66	12.01	
9/16/2005	10:52:46	49.66	745.97	8.51	12.13	
9/16/2005	10:53:01	50.29	699.33	8.52	11.96	
9/16/2005	10:53:16	51.04	636.52	8.81	10.93	
9/16/2005	10:53:31	33.39	458.68	11.52	6.41	
9/16/2005	10:53:46	16.63	184.89	11.84	10.63	
9/16/2005	10:54:01	4.76	49.62	7.22	13.99	
9/16/2005	10:54:16	3.21	8.98	6.11	14.31	
9/16/2005	10:54:31	2.72	3.21	6.01	14.34	
9/16/2005	10:54:46	2.58	2.79	6.00	14.35	
9/16/2005	10:55:01	2.43	0.93	6.00	14.36	
9/16/2005	10:55:16	2.31	2.78	6.00	14.37	
9/16/2005	10:55:31	2.24	2.77	6.00	14.37	
9/16/2005	10:55:46	2.12	2.74	6.00	14.37	
9/16/2005	10:56:01	2.12	2.76	6.00	14.38	
9/16/2005	10:56:16	1.98	2.76	6.00	14.38	
9/16/2005	10:56:31	1.93	2.77	6.00	14.38	
9/16/2005	10:56:46	1.92	2.75	6.00	14.38	
9/16/2005	10:57:01	1.84	2.77	6.00	14.39	
9/16/2005	10:57:16	1.72	2.78	6.00	14.39	
9/16/2005	10:57:31	1.73	2.75	5.99	14.39	
9/16/2005	10:57:46	1.73	2.76	5.99	14.39	
9/16/2005	10:58:01	1.72	2.60	5.99	14.39	
9/16/2005	10:58:16	1.71	0.15	5.99	14.39	
9/16/2005	10:58:31	1.53	0.35	5.99	14.39	5.95 O2, 14.06 CO2
9/16/2005	10:58:46	1.52	2.75	5.99	14.39	
9/16/2005	10:59:01	1.52	29.38	5.66	10.52	
9/16/2005	10:59:16	1.52	197.03	2.44	2.15	
9/16/2005	10:59:31	1.44	450.64	0.29	0.31	
9/16/2005	10:59:46	1.34	604.51	0.04	0.17	
9/16/2005	11:00:01	1.34	635.14	0.01	0.13	
9/16/2005	11:00:16	1.34	637.78	0.01	0.12	
9/16/2005	11:00:31	1.35	639.34	0.01	0.10	633.1 CO
9/16/2005	11:00:46	1.34	640.72	0.00	0.09	
9/16/2005	11:01:01	1.34	641.68	0.00	0.09	
9/16/2005	11:01:16	1.19	640.81	-0.01	0.08	
9/16/2005	11:01:31	1.15	638.33	-0.01	0.07	
9/16/2005	11:01:46	1.14	639.90	-0.01	0.07	
9/16/2005	11:02:01	1.14	641.26	-0.01	0.06	
9/16/2005	11:02:16	1.15	640.94	-0.01	0.06	ZERO NOx

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6	
		TECO 42H NOx PPMD Average	TECO 48H CO PPMD Average	SERVO O2 %D Average	SERVO CO2 %D Average	
9/16/2005	11:02:31	1.15	623.28	-0.01	0.06	
9/16/2005	11:02:46	24.33	468.79	0.00	0.06	
9/16/2005	11:03:01	67.51	188.69	0.02	0.04	
9/16/2005	11:03:16	78.00	41.51	0.01	0.03	
9/16/2005	11:03:31	81.13	8.72	0.01	0.03	
9/16/2005	11:03:46	81.35	4.78	0.01	0.03	
9/16/2005	11:04:01	81.35	4.77	0.00	0.02	
9/16/2005	11:04:16	81.35	4.78	0.01	0.02	ZERO CO
9/16/2005	11:04:31	81.56	4.75	0.00	0.02	
9/16/2005	11:04:46	81.56	4.78	0.01	0.02	82.86 NOx
9/16/2005	11:05:01	81.57	4.79	0.00	0.02	ZERO O2, CO2
9/16/2005	11:05:16	81.57	4.78	0.00	0.02	
9/16/2005	11:05:31	81.56	4.79	0.00	0.01	
9/16/2005	11:05:46	81.56	6.60	0.00	0.24	
9/16/2005	11:06:01	77.30	60.97	1.44	6.54	
9/16/2005	11:06:16	59.46	231.09	6.35	11.64	
9/16/2005	11:06:31	52.00	332.26	7.86	12.58	
9/16/2005	11:06:46	49.65	388.08	7.82	12.84	
9/16/2005	11:07:01	48.91	423.30	7.73	12.92	
9/16/2005	11:07:16	49.62	439.99	7.64	13.06	
9/16/2005	11:07:31	49.36	444.87	7.62	12.96	
9/16/2005	11:07:46	48.40	476.38	7.66	13.12	
9/16/2005	11:08:01	46.39	496.88	7.41	13.39	
9/16/2005	11:08:16	45.04	511.79	7.25	13.53	
9/16/2005	11:08:31	45.41	544.31	7.22	13.39	
9/16/2005	11:08:46	46.59	596.02	7.37	13.28	
9/16/2005	11:09:01	48.21	632.51	7.49	13.12	
9/16/2005	11:09:16	48.57	653.57	7.48	13.37	
9/16/2005	11:09:31	48.28	665.87	7.28	13.47	
9/16/2005	11:09:46	46.62	682.65	7.54	11.62	
9/16/2005	11:10:01	39.51	565.68	12.06	5.61	
9/16/2005	11:10:16	19.99	312.03	16.84	3.30	
9/16/2005	11:10:31	13.69	196.62	17.41	6.01	
9/16/2005	11:10:46	24.36	309.13	11.67	12.07	
9/16/2005	11:11:01	46.17	454.15	7.89	13.31	
9/16/2005	11:11:16	48.98	516.62	7.35	13.33	
9/16/2005	11:11:31	49.45	491.34	7.52	12.89	
9/16/2005	11:11:46	48.87	457.07	7.85	12.82	
9/16/2005	11:12:01	47.96	419.56	7.83	12.75	
9/16/2005	11:12:16	47.59	374.27	8.02	12.51	
9/16/2005	11:12:31	46.48	351.37	8.19	12.48	
9/16/2005	11:12:46	46.71	349.67	8.05	12.66	
9/16/2005	11:13:01	47.36	363.32	8.09	12.36	
9/16/2005	11:13:16	45.25	375.71	8.41	12.07	
9/16/2005	11:13:31	43.20	367.88	8.47	12.37	
9/16/2005	11:13:46	42.49	412.73	8.20	12.55	
9/16/2005	11:14:01	42.52	489.59	8.05	12.66	
9/16/2005	11:14:16	43.21	530.98	8.09	12.51	
9/16/2005	11:14:31	44.34	548.27	8.26	12.27	
9/16/2005	11:14:46	44.89	593.22	8.33	12.33	
9/16/2005	11:15:01	44.75	620.92	8.31	12.32	
9/16/2005	11:15:16	45.02	601.97	8.42	12.06	
9/16/2005	11:15:31	45.56	586.70	8.61	12.04	

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO	TECO	SERVO	SERVO
		42H NOx	48H CO	O2	CO2
		PPMD	PPMD	%D	%D
		Average	Average	Average	Average
9/16/2005	11:15:46	45.38	574.24	8.44	12.32
9/16/2005	11:16:01	44.82	551.82	8.41	12.15
9/16/2005	11:16:16	44.67	507.41	8.41	12.28
9/16/2005	11:16:31	44.40	460.30	8.38	12.12
9/16/2005	11:16:46	44.53	453.41	8.62	11.99
9/16/2005	11:17:01	44.97	476.79	8.59	12.01
9/16/2005	11:17:16	45.18	506.96	8.82	11.62
9/16/2005	11:17:31	44.46	501.78	9.11	11.34
9/16/2005	11:17:46	43.35	453.03	9.64	10.80
9/16/2005	11:18:01	42.29	424.61	9.95	10.72
9/16/2005	11:18:16	42.64	459.51	9.85	11.05
9/16/2005	11:18:31	43.53	500.32	9.74	9.35
9/16/2005	11:18:46	38.04	443.28	13.57	7.35
9/16/2005	11:19:01	30.35	462.87	11.15	11.21
9/16/2005	11:19:16	39.51	517.23	11.04	8.24
9/16/2005	11:19:31	38.13	436.10	10.81	11.77
9/16/2005	11:19:46	39.48	353.16	8.04	12.76
9/16/2005	11:20:01	46.09	309.56	7.68	12.52
9/16/2005	11:20:16	48.71	296.25	7.98	12.06
9/16/2005	11:20:31	50.31	299.43	8.30	11.88
9/16/2005	11:20:46	51.34	305.06	8.47	11.71
9/16/2005	11:21:01	52.06	328.27	8.70	11.47
9/16/2005	11:21:16	51.95	379.49	8.98	11.25
9/16/2005	11:21:31	52.86	390.35	9.19	11.15
9/16/2005	11:21:46	53.28	363.68	9.20	11.23
9/16/2005	11:22:01	53.29	369.80	9.13	11.20
9/16/2005	11:22:16	53.13	406.74	9.28	10.95
9/16/2005	11:22:31	52.34	452.29	9.51	10.87
9/16/2005	11:22:46	52.20	475.48	9.42	11.03
9/16/2005	11:23:01	52.74	465.13	9.29	11.15
9/16/2005	11:23:16	52.37	481.84	9.23	11.00
9/16/2005	11:23:31	50.92	533.37	9.49	10.83
9/16/2005	11:23:46	50.46	569.80	9.46	10.94
9/16/2005	11:24:01	50.66	552.33	9.37	11.07
9/16/2005	11:24:16	50.40	529.49	9.09	11.34
9/16/2005	11:24:31	51.07	499.70	8.90	11.45
9/16/2005	11:24:46	51.95	469.75	8.78	11.51
9/16/2005	11:25:01	52.50	453.06	8.87	11.34
9/16/2005	11:25:16	52.37	491.83	9.00	11.18
9/16/2005	11:25:31	52.26	585.82	9.22	10.92
9/16/2005	11:25:46	51.70	731.69	9.42	10.81
9/16/2005	11:26:01	50.86	860.92	9.40	10.98
9/16/2005	11:26:16	50.72	924.26	9.15	11.29
9/16/2005	11:26:31	49.46	964.86	8.78	11.66
9/16/2005	11:26:46	47.40	954.07	8.38	12.01
9/16/2005	11:27:01	45.00	844.91	8.12	12.15
9/16/2005	11:27:16	43.92	645.14	7.96	12.53
9/16/2005	11:27:31	42.56	476.42	7.55	12.92
9/16/2005	11:27:46	42.52	342.60	7.39	12.90
9/16/2005	11:28:01	43.42	276.48	7.47	12.71
9/16/2005	11:28:16	43.94	239.59	7.64	12.63
9/16/2005	11:28:31	43.36	230.04	7.60	12.78
9/16/2005	11:28:46	43.65	220.13	7.55	12.60

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO 42H NOx PPMD Average	TECO 48H CO PPMD Average	SERVO O2 %D Average	SERVO CO2 %D Average
9/16/2005	11:29:01	45.12	207.59	7.77	12.43
9/16/2005	11:29:16	45.90	217.12	7.82	12.44
9/16/2005	11:29:31	46.78	221.47	7.85	12.32
9/16/2005	11:29:46	47.42	217.94	7.99	12.19
9/16/2005	11:30:01	47.80	225.39	8.03	12.20
9/16/2005	11:30:16	47.24	236.92	8.03	12.11
9/16/2005	11:30:31	47.41	228.04	8.17	12.04
9/16/2005	11:30:46	46.95	229.25	8.11	12.26
9/16/2005	11:31:01	45.91	248.87	7.97	12.30
9/16/2005	11:31:16	46.56	244.22	8.02	12.21
9/16/2005	11:31:31	46.19	233.16	8.01	12.36
9/16/2005	11:31:46	45.91	232.97	7.87	12.36
9/16/2005	11:32:01	45.75	248.05	8.05	12.10
9/16/2005	11:32:16	46.02	285.76	8.15	12.10
9/16/2005	11:32:31	46.78	305.58	8.24	11.95
9/16/2005	11:32:46	46.86	320.05	8.30	12.06
9/16/2005	11:33:01	46.68	356.85	8.19	12.06
9/16/2005	11:33:16	47.23	353.01	8.18	12.19
9/16/2005	11:33:31	45.32	334.14	7.94	12.46
9/16/2005	11:33:46	44.05	312.57	7.80	12.56
9/16/2005	11:34:01	43.29	274.37	7.71	12.62
9/16/2005	11:34:16	42.48	250.11	7.71	12.59
9/16/2005	11:34:31	41.83	263.06	7.71	12.60
9/16/2005	11:34:46	41.54	284.80	7.68	12.64
9/16/2005	11:35:01	41.77	280.64	7.70	12.59
9/16/2005	11:35:16	43.16	270.02	7.69	12.65
9/16/2005	11:35:31	43.02	265.75	7.64	12.69
9/16/2005	11:35:46	43.31	236.02	7.63	12.73
9/16/2005	11:36:01	43.95	210.18	7.57	12.76
9/16/2005	11:36:16	44.07	199.28	7.58	12.77
9/16/2005	11:36:31	44.14	193.09	7.58	12.67
9/16/2005	11:36:46	44.42	176.52	7.67	12.68
9/16/2005	11:37:01	44.20	171.08	7.59	12.77
9/16/2005	11:37:16	42.65	192.63	7.51	12.89
9/16/2005	11:37:31	41.75	216.77	7.43	12.84
9/16/2005	11:37:46	42.32	214.98	7.56	12.76
9/16/2005	11:38:01	43.89	224.59	7.60	12.72
9/16/2005	11:38:16	43.18	249.17	7.67	12.56
9/16/2005	11:38:31	43.44	266.09	7.82	12.47
9/16/2005	11:38:46	43.12	290.07	7.77	12.54
9/16/2005	11:39:01	42.59	303.79	7.84	12.26
9/16/2005	11:39:16	44.66	268.82	8.10	12.20
9/16/2005	11:39:31	45.08	232.56	8.02	12.37
9/16/2005	11:39:46	45.07	221.66	7.99	12.27
9/16/2005	11:40:01	44.86	225.65	7.99	12.27
9/16/2005	11:40:16	44.69	240.39	7.97	12.23
9/16/2005	11:40:31	44.86	245.28	8.01	12.29
9/16/2005	11:40:46	45.15	222.41	7.94	12.37
9/16/2005	11:41:01	45.24	214.34	7.83	12.48
9/16/2005	11:41:16	44.43	224.43	7.83	12.42
9/16/2005	11:41:31	44.45	243.90	7.95	12.37
9/16/2005	11:41:46	45.06	256.87	7.95	12.37
9/16/2005	11:42:01	46.25	244.86	7.93	12.40

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO	TECO	SERVO	SERVO
		42H NOx	48H CO	O2	CO2
		PPMD	PPMD	%D	%D
		Average	Average	Average	Average
9/16/2005	11:42:16	46.73	229.33	7.99	12.28
9/16/2005	11:42:31	45.75	226.16	7.95	12.57
9/16/2005	11:42:46	44.70	236.65	7.75	12.62
9/16/2005	11:43:01	43.95	238.11	7.83	12.48
9/16/2005	11:43:16	44.22	232.16	7.93	12.31
9/16/2005	11:43:31	45.77	215.80	8.08	12.23
9/16/2005	11:43:46	45.48	200.15	8.01	12.43
9/16/2005	11:44:01	43.61	212.04	7.91	12.42
9/16/2005	11:44:16	43.36	220.78	7.99	12.34
9/16/2005	11:44:31	43.22	218.78	7.98	12.44
9/16/2005	11:44:46	42.92	228.58	7.86	12.51
9/16/2005	11:45:01	42.63	238.69	7.87	12.47
9/16/2005	11:45:16	42.33	255.26	7.88	12.43
9/16/2005	11:45:31	42.84	274.65	7.93	12.40
9/16/2005	11:45:46	43.40	264.59	7.97	12.32
9/16/2005	11:46:01	43.68	246.55	8.02	12.40
9/16/2005	11:46:16	42.44	258.49	7.87	12.49
9/16/2005	11:46:31	42.61	273.93	7.98	12.21
9/16/2005	11:46:46	42.88	278.27	8.15	12.11
9/16/2005	11:47:01	42.73	279.65	8.28	11.96
9/16/2005	11:47:16	42.19	302.70	8.38	11.96
9/16/2005	11:47:31	42.64	334.70	8.39	11.85
9/16/2005	11:47:46	43.99	340.77	8.58	11.68
9/16/2005	11:48:01	46.42	313.77	8.64	11.73
9/16/2005	11:48:16	47.02	286.16	8.65	11.65
9/16/2005	11:48:31	46.86	291.49	8.74	11.56
9/16/2005	11:48:46	47.47	302.45	8.87	11.42
9/16/2005	11:49:01	48.99	311.95	8.99	11.33
9/16/2005	11:49:16	49.86	333.10	9.03	11.34
9/16/2005	11:49:31	49.82	347.93	8.99	11.32
9/16/2005	11:49:46	49.50	350.49	9.02	11.28
9/16/2005	11:50:01	49.45	342.02	9.11	11.14
9/16/2005	11:50:16	49.88	342.30	9.20	11.18
9/16/2005	11:50:31	49.43	343.53	9.00	11.43
9/16/2005	11:50:46	49.79	326.63	8.88	11.44
9/16/2005	11:51:01	50.52	316.56	8.85	11.55
9/16/2005	11:51:16	49.83	328.39	8.70	11.68
9/16/2005	11:51:31	47.77	352.72	8.56	11.78
9/16/2005	11:51:46	46.64	364.66	8.45	11.84
9/16/2005	11:52:01	45.99	378.85	8.41	11.81
9/16/2005	11:52:16	45.87	415.11	8.52	11.65
9/16/2005	11:52:31	47.07	436.23	8.64	11.63
9/16/2005	11:52:46	47.43	404.83	8.56	11.75
9/16/2005	11:53:01	47.44	341.24	8.54	11.72
9/16/2005	11:53:16	48.37	314.30	8.50	11.79
9/16/2005	11:53:31	47.98	323.22	8.45	11.84
9/16/2005	11:53:46	46.65	354.21	8.35	12.01
9/16/2005	11:54:01	44.92	392.66	8.15	12.11
9/16/2005	11:54:16	44.29	383.07	8.06	12.18
9/16/2005	11:54:31	44.28	357.31	7.97	12.28
9/16/2005	11:54:46	43.98	324.08	7.96	12.20
9/16/2005	11:55:01	43.67	293.42	8.00	12.24
9/16/2005	11:55:16	43.51	316.87	7.95	12.29

START RUN 2

RUN AVERAGES:

NOx	CO	O2	CO2
43.67	374.08	8.37	11.86

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO	TECO	SERVO	SERVO
		42H NOx	48H CO	O2	CO2
		PPMD	PPMD	%D	%D
		Average	Average	Average	Average
9/16/2005	11:55:31	42.43	384.16	7.90	12.33
9/16/2005	11:55:46	42.33	391.55	7.86	12.41
9/16/2005	11:56:01	42.84	357.67	7.73	12.63
9/16/2005	11:56:16	42.02	374.80	7.57	12.70
9/16/2005	11:56:31	41.90	398.48	7.64	12.51
9/16/2005	11:56:46	42.04	401.32	7.82	12.37
9/16/2005	11:57:01	42.21	405.18	7.92	12.33
9/16/2005	11:57:16	41.95	422.96	7.89	12.38
9/16/2005	11:57:31	41.04	443.36	7.86	12.48
9/16/2005	11:57:46	40.51	453.81	7.70	12.60
9/16/2005	11:58:01	40.30	441.08	7.82	12.36
9/16/2005	11:58:16	40.31	425.84	7.98	12.28
9/16/2005	11:58:31	40.62	432.54	8.07	12.13
9/16/2005	11:58:46	40.89	440.70	8.13	12.21
9/16/2005	11:59:01	41.47	423.13	8.01	12.18
9/16/2005	11:59:16	42.89	379.61	8.01	12.09
9/16/2005	11:59:31	43.83	351.29	8.13	12.10
9/16/2005	11:59:46	44.50	344.62	8.23	12.01
9/16/2005	12:00:01	45.27	349.73	8.31	11.99
9/16/2005	12:00:16	45.31	340.70	8.30	12.04
9/16/2005	12:00:31	44.43	327.18	8.21	12.15
9/16/2005	12:00:46	43.24	358.35	8.10	12.18
9/16/2005	12:01:01	41.99	397.67	8.16	12.05
9/16/2005	12:01:16	41.74	405.20	8.19	12.17
9/16/2005	12:01:31	41.41	395.14	8.07	12.21
9/16/2005	12:01:46	41.73	377.79	8.11	12.06
9/16/2005	12:02:01	42.68	351.67	8.22	12.11
9/16/2005	12:02:16	42.83	331.90	8.08	12.22
9/16/2005	12:02:31	43.07	333.54	8.11	12.10
9/16/2005	12:02:46	42.92	364.91	8.12	12.26
9/16/2005	12:03:01	42.84	407.25	7.94	12.36
9/16/2005	12:03:16	43.40	404.11	7.99	12.23
9/16/2005	12:03:31	43.68	381.09	8.00	12.36
9/16/2005	12:03:46	43.82	371.69	7.90	12.34
9/16/2005	12:04:01	44.00	367.96	7.95	12.34
9/16/2005	12:04:16	43.88	377.14	7.93	12.31
9/16/2005	12:04:31	43.42	389.57	8.02	12.19
9/16/2005	12:04:46	43.29	387.54	8.04	12.26
9/16/2005	12:05:01	43.01	383.40	8.02	12.25
9/16/2005	12:05:16	42.45	378.80	8.07	12.18
9/16/2005	12:05:31	43.14	370.05	8.08	12.27
9/16/2005	12:05:46	42.65	386.73	7.98	12.34
9/16/2005	12:06:01	40.84	415.28	7.91	12.41
9/16/2005	12:06:16	40.05	405.76	7.97	12.17
9/16/2005	12:06:31	40.19	412.92	8.10	12.24
9/16/2005	12:06:46	40.31	457.18	7.98	12.30
9/16/2005	12:07:01	40.23	483.77	8.02	12.28
9/16/2005	12:07:16	39.95	495.86	8.00	12.25
9/16/2005	12:07:31	39.90	498.87	8.01	12.27
9/16/2005	12:07:46	39.87	495.74	7.92	12.27
9/16/2005	12:08:01	39.98	496.93	7.96	12.27
9/16/2005	12:08:16	39.76	514.58	7.96	12.27
9/16/2005	12:08:31	39.91	508.14	8.07	12.12

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO	TECO	SERVO	SERVO
		42H NOx	48H CO	O2	CO2
		PPMD	PPMD	%D	%D
		Average	Average	Average	Average
9/16/2005	12:08:46	40.34	481.75	8.21	12.02
9/16/2005	12:09:01	41.15	465.54	8.29	11.94
9/16/2005	12:09:16	41.41	451.67	8.40	11.79
9/16/2005	12:09:31	41.47	441.34	8.48	11.81
9/16/2005	12:09:46	42.36	420.87	8.57	11.68
9/16/2005	12:10:01	43.98	406.13	8.71	11.54
9/16/2005	12:10:16	44.39	407.01	8.80	11.52
9/16/2005	12:10:31	43.64	422.19	8.78	11.57
9/16/2005	12:10:46	44.07	433.43	8.77	11.50
9/16/2005	12:11:01	45.15	439.10	8.82	11.51
9/16/2005	12:11:16	45.36	452.96	8.85	11.43
9/16/2005	12:11:31	44.74	484.46	8.93	11.36
9/16/2005	12:11:46	44.45	507.88	8.96	11.37
9/16/2005	12:12:01	44.19	505.17	8.89	11.45
9/16/2005	12:12:16	43.22	495.44	8.79	11.55
9/16/2005	12:12:31	43.29	478.59	8.80	11.46
9/16/2005	12:12:46	43.43	456.83	8.89	11.47
9/16/2005	12:13:01	43.54	449.77	8.78	11.58
9/16/2005	12:13:16	42.84	441.88	8.70	11.62
9/16/2005	12:13:31	42.13	439.85	8.64	11.64
9/16/2005	12:13:46	42.57	458.33	8.70	11.53
9/16/2005	12:14:01	43.38	458.70	8.77	11.50
9/16/2005	12:14:16	43.72	418.03	8.72	11.60
9/16/2005	12:14:31	43.42	367.38	8.63	11.60
9/16/2005	12:14:46	42.97	346.27	8.63	11.68
9/16/2005	12:15:01	42.29	345.80	8.50	11.72
9/16/2005	12:15:16	41.75	346.29	8.45	11.79
9/16/2005	12:15:31	41.27	347.33	8.39	11.74
9/16/2005	12:15:46	41.36	346.32	8.49	11.70
9/16/2005	12:16:01	42.02	338.08	8.54	11.68
9/16/2005	12:16:16	42.58	328.50	8.58	11.60
9/16/2005	12:16:31	43.34	314.88	8.70	11.46
9/16/2005	12:16:46	43.99	296.87	8.77	11.51
9/16/2005	12:17:01	44.58	295.36	8.77	11.45
9/16/2005	12:17:16	44.35	312.32	8.79	11.48
9/16/2005	12:17:31	44.28	333.89	8.80	11.44
9/16/2005	12:17:46	44.41	341.38	8.83	11.48
9/16/2005	12:18:01	44.50	321.97	8.73	11.61
9/16/2005	12:18:16	44.15	304.11	8.71	11.43
9/16/2005	12:18:31	45.20	303.32	8.93	11.31
9/16/2005	12:18:46	45.49	300.95	8.96	11.34
9/16/2005	12:19:01	44.99	311.41	8.94	11.36
9/16/2005	12:19:16	44.04	346.31	8.86	11.44
9/16/2005	12:19:31	43.12	374.07	8.85	11.37
9/16/2005	12:19:46	43.01	371.32	8.95	11.30
9/16/2005	12:20:01	43.01	375.04	8.96	11.38
9/16/2005	12:20:16	42.45	376.15	8.77	11.57
9/16/2005	12:20:31	42.81	369.82	8.71	11.48
9/16/2005	12:20:46	43.23	380.05	8.80	11.49
9/16/2005	12:21:01	43.57	388.63	8.75	11.56
9/16/2005	12:21:16	43.76	370.95	8.68	11.65
9/16/2005	12:21:31	42.81	357.15	8.57	11.76
9/16/2005	12:21:46	42.14	357.44	8.47	11.78

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO 42H NOx PPMD Average	TECO 48H CO PPMD Average	SERVO O2 %D Average	SERVO CO2 %D Average
9/16/2005	12:22:01	41.90	360.39	8.49	11.70
9/16/2005	12:22:16	42.59	363.38	8.61	11.61
9/16/2005	12:22:31	43.23	354.84	8.65	11.62
9/16/2005	12:22:46	44.20	323.25	8.62	11.55
9/16/2005	12:23:01	45.60	309.52	8.80	11.36
9/16/2005	12:23:16	46.33	327.36	8.87	11.45
9/16/2005	12:23:31	44.71	338.65	8.69	11.61
9/16/2005	12:23:46	44.07	334.34	8.61	11.63
9/16/2005	12:24:01	44.39	331.99	8.63	11.55
9/16/2005	12:24:16	45.54	323.62	8.71	11.48
9/16/2005	12:24:31	46.12	300.79	8.75	11.43
9/16/2005	12:24:46	45.67	288.60	8.78	11.46
9/16/2005	12:25:01	44.79	296.29	8.70	11.54
9/16/2005	12:25:16	44.53	310.19	8.67	11.51
9/16/2005	12:25:31	44.38	332.07	8.70	11.49
9/16/2005	12:25:46	44.11	353.89	8.72	11.51
9/16/2005	12:26:01	43.71	374.96	8.65	11.57
9/16/2005	12:26:16	43.09	380.05	8.66	11.53
9/16/2005	12:26:31	43.13	382.43	8.70	11.55
9/16/2005	12:26:46	42.50	408.49	8.64	11.54
9/16/2005	12:27:01	41.28	424.43	8.76	11.37
9/16/2005	12:27:16	41.44	442.97	8.89	11.28
9/16/2005	12:27:31	41.55	476.09	9.00	11.14
9/16/2005	12:27:46	42.27	494.92	9.09	11.18
9/16/2005	12:28:01	43.48	462.22	8.92	11.41
9/16/2005	12:28:16	44.36	409.25	8.76	11.49
9/16/2005	12:28:31	46.17	367.91	8.64	11.68
9/16/2005	12:28:46	46.77	346.57	8.41	11.89
9/16/2005	12:29:01	46.73	320.39	8.24	11.96
9/16/2005	12:29:16	47.34	288.96	8.27	11.90
9/16/2005	12:29:31	47.04	275.50	8.28	11.94
9/16/2005	12:29:46	46.30	289.61	8.19	12.08
9/16/2005	12:30:01	45.20	308.58	8.04	12.18
9/16/2005	12:30:16	44.03	325.87	7.99	12.16
9/16/2005	12:30:31	43.78	339.88	8.03	12.13
9/16/2005	12:30:46	42.80	363.81	8.00	12.19
9/16/2005	12:31:01	41.08	384.33	7.93	12.30
9/16/2005	12:31:16	40.12	402.16	7.90	12.19
9/16/2005	12:31:31	40.17	426.37	8.09	11.98
9/16/2005	12:31:46	40.46	430.56	8.23	11.95
9/16/2005	12:32:01	40.70	427.76	8.16	12.13
9/16/2005	12:32:16	40.38	423.64	8.02	12.18
9/16/2005	12:32:31	40.55	442.91	7.98	12.18
9/16/2005	12:32:46	40.83	456.83	8.04	12.04
9/16/2005	12:33:01	41.17	453.07	8.11	12.10
9/16/2005	12:33:16	41.31	447.39	8.05	12.17
9/16/2005	12:33:31	41.78	454.84	7.96	12.30
9/16/2005	12:33:46	42.03	452.46	7.89	12.28
9/16/2005	12:34:01	42.42	412.02	7.91	12.32
9/16/2005	12:34:16	43.13	377.63	7.87	12.28
9/16/2005	12:34:31	43.92	359.14	7.98	12.16
9/16/2005	12:34:46	44.72	329.46	8.01	12.15
9/16/2005	12:35:01	45.52	283.87	8.01	12.18



AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO 42H NOx PPMD Average	TECO 48H CO PPMD Average	SERVO O2 %D Average	SERVO CO2 %D Average
9/16/2005	12:35:16	46.69	244.31	8.02	12.08
9/16/2005	12:35:31	47.70	242.43	8.10	12.08
9/16/2005	12:35:46	47.09	260.93	8.08	12.10
9/16/2005	12:36:01	45.91	294.53	8.09	12.04
9/16/2005	12:36:16	45.41	323.46	8.19	11.93
9/16/2005	12:36:31	45.45	324.20	8.29	11.92
9/16/2005	12:36:46	44.72	323.71	8.19	12.05
9/16/2005	12:37:01	43.35	341.59	8.11	12.07
9/16/2005	12:37:16	42.45	362.35	8.07	12.13
9/16/2005	12:37:31	41.68	383.81	8.01	12.12
9/16/2005	12:37:46	41.59	389.14	8.09	12.05
9/16/2005	12:38:01	42.07	375.52	8.06	12.13
9/16/2005	12:38:16	42.07	352.00	8.05	12.09
9/16/2005	12:38:31	41.81	348.02	8.04	12.20
9/16/2005	12:38:46	41.24	391.32	7.89	12.32
9/16/2005	12:39:01	40.55	407.61	7.87	12.21
9/16/2005	12:39:16	40.81	387.31	7.98	12.19
9/16/2005	12:39:31	40.24	379.10	7.92	12.26
9/16/2005	12:39:46	39.59	402.05	7.93	12.23
9/16/2005	12:40:01	39.35	425.08	7.95	12.16
9/16/2005	12:40:16	40.15	445.49	8.01	12.12
9/16/2005	12:40:31	41.35	428.61	8.10	12.03
9/16/2005	12:40:46	41.27	422.36	8.12	12.08
9/16/2005	12:41:01	40.31	434.69	8.12	11.98
9/16/2005	12:41:16	41.00	430.57	8.30	11.81
9/16/2005	12:41:31	42.20	425.62	8.45	11.63
9/16/2005	12:41:46	43.14	393.65	8.68	11.43
9/16/2005	12:42:01	44.20	352.15	8.83	11.29
9/16/2005	12:42:16	44.77	344.96	8.94	11.21
9/16/2005	12:42:31	45.15	366.80	9.02	11.17
9/16/2005	12:42:46	45.11	376.40	9.08	11.07
9/16/2005	12:43:01	44.43	401.07	9.16	11.03
9/16/2005	12:43:16	43.56	457.90	9.22	10.91
9/16/2005	12:43:31	43.54	492.83	9.34	10.89
9/16/2005	12:43:46	43.05	503.50	9.22	11.13
9/16/2005	12:44:01	41.65	506.95	8.98	11.31
9/16/2005	12:44:16	40.80	519.62	8.86	11.38
9/16/2005	12:44:31	40.40	535.97	8.76	11.47
9/16/2005	12:44:46	40.45	527.57	8.65	11.61
9/16/2005	12:45:01	40.70	483.34	8.45	11.86
9/16/2005	12:45:16	39.86	443.17	8.21	12.04
9/16/2005	12:45:31	39.35	427.71	8.11	12.06
9/16/2005	12:45:46	39.44	421.66	8.08	12.11
9/16/2005	12:46:01	40.22	409.49	8.04	12.07
9/16/2005	12:46:16	41.39	391.42	8.20	11.93
9/16/2005	12:46:31	42.41	373.35	8.20	12.00
9/16/2005	12:46:46	43.30	349.15	8.26	11.86
9/16/2005	12:47:01	44.35	323.27	8.34	11.87
9/16/2005	12:47:16	44.52	302.75	8.28	11.89
9/16/2005	12:47:31	45.72	284.75	8.29	11.95
9/16/2005	12:47:46	46.64	270.99	8.16	12.03
9/16/2005	12:48:01	47.22	261.32	8.19	11.96
9/16/2005	12:48:16	47.47	253.74	8.20	11.99

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO 42H NOx PPMD Average	TECO 48H CO PPMD Average	SERVO O2 %D Average	SERVO CO2 %D Average
9/16/2005	12:48:31	47.88	253.25	8.21	11.92
9/16/2005	12:48:46	47.81	250.78	8.26	11.97
9/16/2005	12:49:01	46.89	259.09	8.18	12.00
9/16/2005	12:49:16	45.84	272.81	8.21	11.93
9/16/2005	12:49:31	45.67	277.99	8.26	11.93
9/16/2005	12:49:46	45.52	284.53	8.26	11.91
9/16/2005	12:50:01	45.11	300.86	8.29	11.87
9/16/2005	12:50:16	44.59	309.49	8.30	11.91
9/16/2005	12:50:31	44.65	310.87	8.30	11.86
9/16/2005	12:50:46	44.23	334.98	8.32	11.86
9/16/2005	12:51:01	43.93	344.15	8.29	11.93
9/16/2005	12:51:16	44.83	326.19	8.21	11.92
9/16/2005	12:51:31	46.47	304.83	8.21	11.95
9/16/2005	12:51:46	46.96	299.98	8.13	12.08
9/16/2005	12:52:01	46.66	281.83	8.06	12.10
9/16/2005	12:52:16	47.25	243.43	8.04	12.12
9/16/2005	12:52:31	47.60	225.50	8.05	12.01
9/16/2005	12:52:46	48.30	225.49	8.23	11.90
9/16/2005	12:53:01	48.80	231.55	8.28	11.85
9/16/2005	12:53:16	47.60	236.14	8.32	11.85
9/16/2005	12:53:31	46.75	243.21	8.33	11.80
9/16/2005	12:53:46	46.14	246.85	8.36	11.84
9/16/2005	12:54:01	45.86	244.77	8.34	11.81
9/16/2005	12:54:16	46.59	251.41	8.39	11.83
9/16/2005	12:54:31	46.07	272.89	8.29	11.92
9/16/2005	12:54:46	45.70	290.69	8.27	11.87
9/16/2005	12:55:01	45.31	287.15	8.36	11.80
9/16/2005	12:55:16	44.96	277.85	8.39	11.76
9/16/2005	12:55:31	45.39	283.21	8.47	11.67
9/16/2005	12:55:46	45.47	310.24	8.49	11.71
9/16/2005	12:56:01	46.52	305.12	7.84	8.34
9/16/2005	12:56:16	50.62	218.88	4.95	2.83
9/16/2005	12:56:31	47.11	121.59	2.66	1.90
9/16/2005	12:56:46	59.85	58.65	0.50	0.27
9/16/2005	12:57:01	79.94	20.41	0.05	0.10
9/16/2005	12:57:16	81.70	5.48	0.01	0.07
9/16/2005	12:57:31	81.94	2.95	0.00	0.06
9/16/2005	12:57:46	81.94	2.55	-0.01	0.06
9/16/2005	12:58:01	81.94	2.54	0.00	0.05
9/16/2005	12:58:16	81.94	2.55	0.00	0.05
9/16/2005	12:58:31	81.93	2.51	0.00	0.04
9/16/2005	12:58:46	81.93	2.53	0.00	0.03
9/16/2005	12:59:01	81.93	3.04	-0.01	0.03
9/16/2005	12:59:16	81.80	33.58	-0.01	0.03
9/16/2005	12:59:31	37.96	252.75	-0.01	0.02
9/16/2005	12:59:46	14.67	504.90	-0.02	0.02
9/16/2005	13:00:01	2.12	610.68	-0.02	0.02
9/16/2005	13:00:16	1.76	634.75	-0.02	0.02
9/16/2005	13:00:31	1.64	637.12	-0.02	0.02
9/16/2005	13:00:46	1.51	637.56	-0.02	0.01
9/16/2005	13:01:01	1.51	637.54	-0.02	0.01
9/16/2005	13:01:16	1.51	637.55	-0.02	0.01
9/16/2005	13:01:31	1.51	637.43	-0.02	0.01

END RUN 2

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO	TECO	SERVO	SERVO
		42H NOx	48H CO	O2	CO2
		PPMD	PPMD	%D	%D
		Average	Average	Average	Average
9/16/2005	13:01:46	1.36	636.77	-0.03	0.01
9/16/2005	13:02:01	1.33	637.56	-0.03	0.01
9/16/2005	13:02:16	<b>1.33</b>	621.19	0.06	2.15
9/16/2005	13:02:31	1.32	462.78	2.64	10.97
9/16/2005	13:02:46	1.32	207.08	5.34	13.94
9/16/2005	13:03:01	1.32	67.66	5.90	14.24
9/16/2005	13:03:16	1.32	13.01	5.94	14.28
9/16/2005	13:03:31	1.33	0.64	5.95	14.30
9/16/2005	13:03:46	1.31	0.01	5.95	14.31
9/16/2005	13:04:01	1.12	0.03	5.95	14.32
9/16/2005	13:04:16	1.12	0.01	<b>5.95</b>	<b>14.33</b>
9/16/2005	13:04:31	1.12	-0.03	5.94	14.33
9/16/2005	13:04:46	1.12	-0.05	5.93	14.33
9/16/2005	13:05:01	3.76	5.46	5.98	14.02
9/16/2005	13:05:16	13.03	42.11	6.91	12.55
9/16/2005	13:05:31	34.66	117.18	7.91	12.09
9/16/2005	13:05:46	45.70	163.28	8.14	12.00
9/16/2005	13:06:01	46.63	168.71	8.17	12.04
9/16/2005	13:06:16	46.15	162.08	8.23	11.91
9/16/2005	13:06:31	45.42	171.35	8.32	11.89
9/16/2005	13:06:46	45.20	187.04	8.39	11.76
9/16/2005	13:07:01	45.59	187.34	8.55	11.65
9/16/2005	13:07:16	46.37	194.66	8.61	11.62
9/16/2005	13:07:31	45.99	219.75	8.72	11.45
9/16/2005	13:07:46	46.00	245.14	8.84	11.40
9/16/2005	13:08:01	46.36	255.57	8.86	11.48
9/16/2005	13:08:16	46.72	241.98	8.73	11.55
9/16/2005	13:08:31	47.28	209.10	8.66	11.72
9/16/2005	13:08:46	46.88	187.71	8.42	11.87
9/16/2005	13:09:01	46.08	184.06	8.46	11.72
9/16/2005	13:09:16	47.81	187.79	8.52	11.79
9/16/2005	13:09:31	48.90	183.24	8.40	11.88
9/16/2005	13:09:46	49.58	169.00	8.36	11.89
9/16/2005	13:10:01	49.93	158.87	8.37	11.87
9/16/2005	13:10:16	49.45	154.86	8.40	11.79
9/16/2005	13:10:31	49.30	146.09	8.55	11.67
9/16/2005	13:10:46	50.01	138.99	8.56	11.71
9/16/2005	13:11:01	51.01	136.17	8.57	11.66
9/16/2005	13:11:16	50.89	142.49	8.54	11.82
9/16/2005	13:11:31	49.97	155.64	8.34	11.84
9/16/2005	13:11:46	50.09	159.62	8.42	11.81
9/16/2005	13:12:01	50.80	153.22	8.43	11.73
9/16/2005	13:12:16	50.74	142.40	8.59	11.58
9/16/2005	13:12:31	51.50	133.36	8.64	11.65
9/16/2005	13:12:46	52.19	129.63	8.65	11.54
9/16/2005	13:13:01	52.97	137.12	8.73	11.56
9/16/2005	13:13:16	53.29	155.64	8.57	11.76
9/16/2005	13:13:31	52.09	163.95	8.40	11.86
9/16/2005	13:13:46	51.21	155.45	8.38	11.80
9/16/2005	13:14:01	51.16	148.11	8.51	11.63
9/16/2005	13:14:16	52.35	147.90	8.66	11.58
9/16/2005	13:14:31	52.96	150.73	8.72	11.50
9/16/2005	13:14:46	53.35	153.69	8.81	11.44

AIR CONSULTING AND ENGINEERING, INC.  
 2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO 42H NOx PPMD Average	TECO 48H CO PPMD Average	SERVO O2 %D Average	SERVO CO2 %D Average
9/16/2005	13:15:01	53.94	152.31	8.77	11.57
9/16/2005	13:15:16	54.41	144.47	8.72	11.47
9/16/2005	13:15:31	55.29	138.96	8.88	11.41
9/16/2005	13:15:46	55.79	135.84	8.77	11.60
9/16/2005	13:16:01	55.72	131.24	8.65	11.62
9/16/2005	13:16:16	55.17	128.46	8.63	11.68
9/16/2005	13:16:31	53.79	126.89	8.54	11.77
9/16/2005	13:16:46	52.47	126.30	8.44	11.84
9/16/2005	13:17:01	51.08	128.19	8.45	11.72
9/16/2005	13:17:16	50.99	129.81	8.61	11.64
9/16/2005	13:17:31	51.63	136.26	8.59	11.69
9/16/2005	13:17:46	52.41	145.68	8.58	11.67
9/16/2005	13:18:01	53.12	145.25	8.54	11.74
9/16/2005	13:18:16	52.59	143.47	8.46	11.78
9/16/2005	13:18:31	52.29	142.45	8.45	11.79
9/16/2005	13:18:46	52.47	141.78	8.41	11.79
9/16/2005	13:19:01	52.64	137.56	8.47	11.74
9/16/2005	13:19:16	51.91	134.83	8.48	11.74
9/16/2005	13:19:31	52.43	134.84	8.50	11.75
9/16/2005	13:19:46	52.25	138.44	8.38	12.00
9/16/2005	13:20:01	51.31	158.49	8.09	12.20
9/16/2005	13:20:16	50.69	181.86	8.04	12.12
9/16/2005	13:20:31	51.33	172.95	8.05	12.20
9/16/2005	13:20:46	51.25	156.55	8.03	12.12
9/16/2005	13:21:01	50.71	140.58	8.09	12.17
9/16/2005	13:21:16	51.57	132.80	7.97	12.32
9/16/2005	13:21:31	51.77	153.03	7.93	12.27
9/16/2005	13:21:46	52.04	176.79	7.93	12.36
9/16/2005	13:22:01	51.87	179.36	7.84	12.43
9/16/2005	13:22:16	50.99	183.72	7.80	12.46
9/16/2005	13:22:31	49.78	205.63	7.77	12.50
9/16/2005	13:22:46	48.99	208.82	7.76	12.46
9/16/2005	13:23:01	48.45	190.15	7.82	12.41
9/16/2005	13:23:16	48.18	182.03	7.79	12.57
9/16/2005	13:23:31	47.81	192.78	7.62	12.66
9/16/2005	13:23:46	48.19	198.83	7.67	12.52
9/16/2005	13:24:01	48.83	189.51	7.76	12.52
9/16/2005	13:24:16	48.53	211.08	7.64	12.73
9/16/2005	13:24:31	47.70	228.05	7.53	12.69
9/16/2005	13:24:46	47.65	230.69	7.60	12.71
9/16/2005	13:25:01	48.27	239.51	7.52	12.78
9/16/2005	13:25:16	48.80	236.13	7.58	12.61
9/16/2005	13:25:31	49.26	216.09	7.72	12.48
9/16/2005	13:25:46	49.82	202.62	7.82	12.36
9/16/2005	13:26:01	50.15	191.62	7.93	12.23
9/16/2005	13:26:16	49.46	177.65	8.04	12.11
9/16/2005	13:26:31	48.97	171.49	8.17	11.92
9/16/2005	13:26:46	48.85	170.75	8.37	11.87
9/16/2005	13:27:01	48.65	167.10	8.29	12.02
9/16/2005	13:27:16	47.21	159.00	8.16	12.12
9/16/2005	13:27:31	46.26	153.15	8.09	12.11
9/16/2005	13:27:46	45.40	153.95	8.09	12.14
9/16/2005	13:28:01	45.14	168.50	8.04	12.19

START RUN 3

RUN AVERAGES:

NOx	CO	O2	CO2
45.16	205.69	8.09	12.15

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO	TECO	SERVO	SERVO
		42H NOx	48H CO	O2	CO2
		PPMD	PPMD	%D	%D
		Average	Average	Average	Average
9/16/2005	13:28:16	46.34	180.07	8.00	12.21
9/16/2005	13:28:31	46.24	176.36	7.99	12.05
9/16/2005	13:28:46	46.60	165.12	8.19	11.97
9/16/2005	13:29:01	47.20	153.54	8.24	12.04
9/16/2005	13:29:16	47.53	147.28	8.11	12.09
9/16/2005	13:29:31	48.44	145.27	8.16	12.05
9/16/2005	13:29:46	48.16	163.21	8.12	12.16
9/16/2005	13:30:01	46.98	183.90	7.94	12.40
9/16/2005	13:30:16	47.11	188.85	7.78	12.54
9/16/2005	13:30:31	46.50	194.04	7.66	12.64
9/16/2005	13:30:46	46.46	195.66	7.62	12.54
9/16/2005	13:31:01	47.00	178.05	7.81	12.37
9/16/2005	13:31:16	47.33	176.05	7.83	12.48
9/16/2005	13:31:31	46.44	182.54	7.80	12.43
9/16/2005	13:31:46	45.88	194.62	7.84	12.41
9/16/2005	13:32:01	45.87	207.36	7.94	12.20
9/16/2005	13:32:16	45.36	204.03	8.01	12.31
9/16/2005	13:32:31	45.18	204.96	7.88	12.39
9/16/2005	13:32:46	45.20	206.77	7.90	12.40
9/16/2005	13:33:01	44.93	208.42	7.89	12.36
9/16/2005	13:33:16	43.80	205.68	8.02	12.19
9/16/2005	13:33:31	43.38	203.66	8.04	12.31
9/16/2005	13:33:46	42.64	207.74	7.93	12.36
9/16/2005	13:34:01	42.05	206.30	7.95	12.30
9/16/2005	13:34:16	42.93	196.11	7.93	12.40
9/16/2005	13:34:31	43.28	192.08	7.88	12.42
9/16/2005	13:34:46	43.28	211.91	7.87	12.35
9/16/2005	13:35:01	43.50	224.56	8.05	12.09
9/16/2005	13:35:16	44.31	215.90	8.15	12.16
9/16/2005	13:35:31	44.17	215.89	8.04	12.23
9/16/2005	13:35:46	44.27	214.93	8.04	12.21
9/16/2005	13:36:01	44.56	203.33	8.02	12.22
9/16/2005	13:36:16	44.36	194.88	8.11	12.01
9/16/2005	13:36:31	44.73	188.44	8.26	12.05
9/16/2005	13:36:46	44.67	194.13	8.08	12.26
9/16/2005	13:37:01	44.35	200.01	8.02	12.18
9/16/2005	13:37:16	44.48	196.37	8.11	12.10
9/16/2005	13:37:31	44.96	192.01	8.13	12.09
9/16/2005	13:37:46	45.91	179.19	8.18	12.02
9/16/2005	13:38:01	46.84	163.77	8.24	11.96
9/16/2005	13:38:16	46.52	157.64	8.36	11.86
9/16/2005	13:38:31	45.55	165.39	8.34	11.96
9/16/2005	13:38:46	45.22	174.65	8.25	12.05
9/16/2005	13:39:01	45.17	176.31	8.10	12.23
9/16/2005	13:39:16	44.93	173.62	8.01	12.13
9/16/2005	13:39:31	45.07	174.58	8.19	11.93
9/16/2005	13:39:46	45.60	179.98	8.33	11.90
9/16/2005	13:40:01	46.43	187.25	8.36	11.89
9/16/2005	13:40:16	47.06	186.71	8.34	11.99
9/16/2005	13:40:31	47.60	196.79	8.13	12.28
9/16/2005	13:40:46	46.86	216.09	7.85	12.43
9/16/2005	13:41:01	45.90	223.49	7.76	12.31
9/16/2005	13:41:16	46.21	210.04	8.07	11.96

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO	TECO	SERVO	SERVO
		42H NOx	48H CO	O2	CO2
		PPMD	PPMD	%D	%D
		Average	Average	Average	Average
9/16/2005	13:41:31	46.57	193.87	8.33	11.82
9/16/2005	13:41:46	46.55	191.42	8.32	11.95
9/16/2005	13:42:01	46.61	186.12	8.21	12.16
9/16/2005	13:42:16	46.85	191.56	7.95	12.46
9/16/2005	13:42:31	46.22	220.09	7.73	12.61
9/16/2005	13:42:46	45.53	249.91	7.59	12.71
9/16/2005	13:43:01	45.39	276.55	7.52	12.69
9/16/2005	13:43:16	45.82	264.88	7.52	12.72
9/16/2005	13:43:31	46.23	231.07	7.55	12.71
9/16/2005	13:43:46	46.86	192.20	7.58	12.60
9/16/2005	13:44:01	47.40	176.08	7.73	12.50
9/16/2005	13:44:16	47.75	183.59	7.68	12.59
9/16/2005	13:44:31	46.70	197.69	7.72	12.44
9/16/2005	13:44:46	45.52	211.98	7.88	12.17
9/16/2005	13:45:01	44.84	212.83	8.20	11.83
9/16/2005	13:45:16	46.06	202.92	8.40	11.82
9/16/2005	13:45:31	45.99	203.24	8.38	11.94
9/16/2005	13:45:46	45.35	205.86	8.20	12.03
9/16/2005	13:46:01	45.23	198.90	8.25	11.92
9/16/2005	13:46:16	45.95	196.97	8.25	12.06
9/16/2005	13:46:31	44.86	211.52	8.05	12.27
9/16/2005	13:46:46	43.47	226.80	7.93	12.26
9/16/2005	13:47:01	42.32	225.56	8.00	12.17
9/16/2005	13:47:16	42.64	211.95	7.99	12.32
9/16/2005	13:47:31	42.95	214.68	7.79	12.58
9/16/2005	13:47:46	43.06	231.76	7.58	12.80
9/16/2005	13:48:01	43.05	257.82	7.41	12.96
9/16/2005	13:48:16	43.19	276.76	7.34	12.93
9/16/2005	13:48:31	44.47	262.82	7.42	12.82
9/16/2005	13:48:46	45.42	246.16	7.53	12.64
9/16/2005	13:49:01	46.27	230.86	7.70	12.49
9/16/2005	13:49:16	47.37	207.94	7.79	12.40
9/16/2005	13:49:31	47.90	178.96	7.88	12.30
9/16/2005	13:49:46	48.11	158.72	7.93	12.35
9/16/2005	13:50:01	48.12	159.73	7.81	12.48
9/16/2005	13:50:16	47.97	156.33	7.75	12.56
9/16/2005	13:50:31	47.83	158.07	7.62	12.70
9/16/2005	13:50:46	47.87	164.01	7.61	12.61
9/16/2005	13:51:01	48.11	168.95	7.63	12.67
9/16/2005	13:51:16	48.11	186.49	7.57	12.67
9/16/2005	13:51:31	47.23	190.08	7.59	12.66
9/16/2005	13:51:46	46.36	184.10	7.60	12.67
9/16/2005	13:52:01	45.69	185.22	7.62	12.60
9/16/2005	13:52:16	45.26	189.70	7.67	12.59
9/16/2005	13:52:31	44.65	194.22	7.64	12.62
9/16/2005	13:52:46	44.46	209.69	7.58	12.78
9/16/2005	13:53:01	44.55	228.00	7.44	12.86
9/16/2005	13:53:16	44.47	219.91	7.42	12.85
9/16/2005	13:53:31	44.74	197.04	7.47	12.68
9/16/2005	13:53:46	45.06	173.67	7.69	12.46
9/16/2005	13:54:01	45.25	168.76	7.77	12.45
9/16/2005	13:54:16	45.23	179.32	7.76	12.53
9/16/2005	13:54:31	44.76	193.91	7.66	12.64

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO	TECO	SERVO	SERVO
		42H NOx	48H CO	O2	CO2
		PPMD	PPMD	%D	%D
		Average	Average	Average	Average
9/16/2005	13:54:46	45.02	186.30	7.61	12.67
9/16/2005	13:55:01	45.95	166.73	7.58	12.68
9/16/2005	13:55:16	47.17	169.64	7.60	12.66
9/16/2005	13:55:31	46.76	187.73	7.56	12.73
9/16/2005	13:55:46	46.52	193.82	7.55	12.72
9/16/2005	13:56:01	46.28	195.09	7.54	12.71
9/16/2005	13:56:16	45.70	199.07	7.57	12.65
9/16/2005	13:56:31	44.88	215.27	7.66	12.57
9/16/2005	13:56:46	44.47	227.84	7.70	12.51
9/16/2005	13:57:01	44.41	207.91	7.77	12.46
9/16/2005	13:57:16	44.87	175.52	7.76	12.48
9/16/2005	13:57:31	43.75	178.64	7.82	12.32
9/16/2005	13:57:46	43.61	199.22	7.97	12.21
9/16/2005	13:58:01	43.97	210.77	8.09	12.12
9/16/2005	13:58:16	43.72	215.63	8.05	12.31
9/16/2005	13:58:31	43.57	216.50	7.91	12.43
9/16/2005	13:58:46	43.47	204.51	7.83	12.46
9/16/2005	13:59:01	43.54	199.61	7.89	12.30
9/16/2005	13:59:16	43.66	199.12	8.01	12.26
9/16/2005	13:59:31	43.65	198.91	7.89	12.32
9/16/2005	13:59:46	44.31	208.92	7.97	12.23
9/16/2005	14:00:01	45.07	211.12	8.00	12.31
9/16/2005	14:00:16	44.51	210.15	7.88	12.46
9/16/2005	14:00:31	43.90	228.31	7.82	12.45
9/16/2005	14:00:46	44.02	248.80	7.85	12.42
9/16/2005	14:01:01	44.19	231.49	7.87	12.35
9/16/2005	14:01:16	43.91	204.03	7.96	12.27
9/16/2005	14:01:31	43.95	185.79	7.99	12.24
9/16/2005	14:01:46	44.09	176.68	8.02	12.25
9/16/2005	14:02:01	44.34	188.67	7.97	12.35
9/16/2005	14:02:16	44.60	229.02	7.83	12.55
9/16/2005	14:02:31	44.65	249.62	7.74	12.57
9/16/2005	14:02:46	44.67	240.28	7.74	12.54
9/16/2005	14:03:01	44.76	228.73	7.75	12.56
9/16/2005	14:03:16	44.55	239.46	7.74	12.49
9/16/2005	14:03:31	45.61	248.26	7.89	12.24
9/16/2005	14:03:46	46.81	234.18	8.09	12.09
9/16/2005	14:04:01	47.66	204.78	8.06	12.35
9/16/2005	14:04:16	46.76	198.21	7.87	12.43
9/16/2005	14:04:31	46.09	203.49	7.88	12.38
9/16/2005	14:04:46	45.51	212.40	7.92	12.33
9/16/2005	14:05:01	45.06	222.09	7.93	12.37
9/16/2005	14:05:16	45.03	224.32	7.88	12.42
9/16/2005	14:05:31	44.86	234.04	7.82	12.48
9/16/2005	14:05:46	44.88	244.66	7.82	12.40
9/16/2005	14:06:01	45.07	239.71	7.90	12.32
9/16/2005	14:06:16	45.22	235.58	7.96	12.28
9/16/2005	14:06:31	45.25	227.92	7.99	12.32
9/16/2005	14:06:46	44.92	239.20	7.82	12.58
9/16/2005	14:07:01	44.37	269.71	7.73	12.52
9/16/2005	14:07:16	43.60	288.67	7.82	12.40
9/16/2005	14:07:31	43.18	278.77	7.90	12.33
9/16/2005	14:07:46	43.02	253.36	7.94	12.31

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO 42H NOx PPMD Average	TECO 48H CO PPMD Average	SERVO O2 %D Average	SERVO CO2 %D Average
9/16/2005	14:08:01	43.17	244.61	8.01	12.19
9/16/2005	14:08:16	44.30	233.23	8.10	12.15
9/16/2005	14:08:31	44.74	218.50	8.10	12.15
9/16/2005	14:08:46	45.17	208.56	8.15	12.04
9/16/2005	14:09:01	45.45	195.10	8.23	12.04
9/16/2005	14:09:16	45.48	181.52	8.20	12.04
9/16/2005	14:09:31	45.73	177.30	8.23	12.02
9/16/2005	14:09:46	45.17	181.06	8.20	12.02
9/16/2005	14:10:01	44.46	185.89	8.28	11.92
9/16/2005	14:10:16	45.00	188.43	8.35	11.92
9/16/2005	14:10:31	45.34	199.74	8.32	11.93
9/16/2005	14:10:46	46.17	194.24	8.36	11.85
9/16/2005	14:11:01	47.32	175.18	8.49	11.67
9/16/2005	14:11:16	47.26	165.13	8.69	11.48
9/16/2005	14:11:31	46.83	173.65	8.88	11.32
9/16/2005	14:11:46	46.89	189.40	9.02	11.17
9/16/2005	14:12:01	46.94	210.25	9.19	11.01
9/16/2005	14:12:16	45.85	224.38	9.29	11.01
9/16/2005	14:12:31	45.26	232.35	9.25	11.01
9/16/2005	14:12:46	44.68	248.32	9.29	10.99
9/16/2005	14:13:01	43.98	272.76	9.33	10.94
9/16/2005	14:13:16	43.55	286.50	9.32	11.03
9/16/2005	14:13:31	43.47	279.53	9.26	11.02
9/16/2005	14:13:46	43.09	282.39	9.27	11.06
9/16/2005	14:14:01	42.28	301.56	9.15	11.13
9/16/2005	14:14:16	42.03	309.84	9.17	11.06
9/16/2005	14:14:31	43.06	307.99	9.21	11.12
9/16/2005	14:14:46	43.28	279.05	9.08	11.20
9/16/2005	14:15:01	42.85	253.76	9.06	11.25
9/16/2005	14:15:16	42.74	248.78	8.96	11.31
9/16/2005	14:15:31	43.54	247.76	8.95	11.30
9/16/2005	14:15:46	44.03	247.72	8.92	11.39
9/16/2005	14:16:01	44.55	242.74	8.85	11.37
9/16/2005	14:16:16	45.37	219.34	8.89	11.42
9/16/2005	14:16:31	46.31	190.98	8.72	11.65
9/16/2005	14:16:46	46.12	166.23	8.52	11.76
9/16/2005	14:17:01	45.87	152.30	8.44	11.82
9/16/2005	14:17:16	47.31	139.86	8.40	11.84
9/16/2005	14:17:31	47.51	140.87	8.36	11.86
9/16/2005	14:17:46	47.17	154.33	8.36	11.86
9/16/2005	14:18:01	46.53	156.08	8.36	11.88
9/16/2005	14:18:16	45.83	148.69	8.31	11.94
9/16/2005	14:18:31	45.10	152.54	8.20	11.99
9/16/2005	14:18:46	45.04	165.06	8.26	11.85
9/16/2005	14:19:01	45.07	176.88	8.33	11.93
9/16/2005	14:19:16	44.52	187.61	8.23	11.94
9/16/2005	14:19:31	44.17	190.60	8.33	11.78
9/16/2005	14:19:46	44.06	190.59	8.47	11.73
9/16/2005	14:20:01	43.82	192.77	8.44	11.79
9/16/2005	14:20:16	42.87	196.35	8.43	11.73
9/16/2005	14:20:31	43.47	193.21	8.52	11.65
9/16/2005	14:20:46	44.01	190.58	8.55	11.71
9/16/2005	14:21:01	44.65	196.91	8.44	11.82



AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO	TECO	SERVO	SERVO
		42H NOx	48H CO	O2	CO2
		PPMD	PPMD	%D	%D
		Average	Average	Average	Average
9/16/2005	14:21:16	45.18	193.38	8.40	11.78
9/16/2005	14:21:31	45.54	183.46	8.43	11.80
9/16/2005	14:21:46	45.46	182.12	8.39	11.79
9/16/2005	14:22:01	45.25	183.91	8.50	11.59
9/16/2005	14:22:16	45.41	191.24	8.64	11.59
9/16/2005	14:22:31	45.35	209.93	8.58	11.68
9/16/2005	14:22:46	45.03	216.79	8.49	11.81
9/16/2005	14:23:01	44.65	197.38	8.28	11.99
9/16/2005	14:23:16	44.76	172.65	8.22	11.93
9/16/2005	14:23:31	45.68	167.82	8.29	11.89
9/16/2005	14:23:46	45.19	199.41	8.38	11.72
9/16/2005	14:24:01	44.37	231.62	8.48	11.81
9/16/2005	14:24:16	45.00	233.10	8.25	12.07
9/16/2005	14:24:31	46.35	209.93	8.09	12.13
9/16/2005	14:24:46	46.01	193.39	8.00	12.26
9/16/2005	14:25:01	45.02	183.67	7.98	12.09
9/16/2005	14:25:16	45.42	182.01	8.19	11.89
9/16/2005	14:25:31	45.37	179.49	8.34	11.82
9/16/2005	14:25:46	45.42	187.68	8.52	11.45
9/16/2005	14:26:01	45.18	220.09	8.89	11.35
9/16/2005	14:26:16	44.34	232.94	8.71	11.71
9/16/2005	14:26:31	43.76	213.65	8.39	11.82
9/16/2005	14:26:46	43.87	190.92	8.41	11.78
9/16/2005	14:27:01	43.95	188.84	8.39	11.84
9/16/2005	14:27:16	43.01	212.76	8.37	11.77
9/16/2005	14:27:31	43.78	226.55	8.50	11.62
9/16/2005	14:27:46	44.77	223.89	8.64	11.56
9/16/2005	14:28:01	45.66	208.37	8.65	11.61
9/16/2005	14:28:16	45.14	202.88	8.54	11.75
9/16/2005	14:28:31	43.57	208.00	8.36	11.86
9/16/2005	14:28:46	43.26	206.75	8.25	12.01
9/16/2005	14:29:01	43.58	207.50	8.13	12.03
9/16/2005	14:29:16	43.51	211.64	8.18	11.95
9/16/2005	14:29:31	44.33	199.58	8.21	12.03
9/16/2005	14:29:46	44.85	178.19	8.03	12.32
9/16/2005	14:30:01	44.77	187.19	7.72	12.76
9/16/2005	14:30:16	43.98	258.76	7.29	13.15
9/16/2005	14:30:31	43.64	322.94	7.12	13.00
9/16/2005	14:30:46	44.00	315.87	7.31	12.89
9/16/2005	14:31:01	44.33	267.71	7.40	12.80
9/16/2005	14:31:16	44.28	228.84	7.46	12.83
9/16/2005	14:31:31	44.93	248.05	7.36	12.93
9/16/2005	14:31:46	44.91	316.51	7.27	13.07
9/16/2005	14:32:01	44.05	391.25	7.19	13.04
9/16/2005	14:32:16	42.68	399.94	7.28	12.92
9/16/2005	14:32:31	43.11	359.79	7.37	12.85
9/16/2005	14:32:46	43.62	306.66	7.43	12.74
9/16/2005	14:33:01	44.09	260.07	7.53	12.67
9/16/2005	14:33:16	44.96	230.64	7.63	12.49
9/16/2005	14:33:31	45.64	215.13	7.82	12.31
9/16/2005	14:33:46	46.02	199.37	7.80	12.54
9/16/2005	14:34:01	46.74	197.53	7.60	12.66
9/16/2005	14:34:16	47.82	197.30	7.56	12.71

END RUN 3

AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6	
		TECO	TECO	SERVO	SERVO	
		42H NOx	48H CO	O2	CO2	
		PPMD	PPMD	%D	%D	
		Average	Average	Average	Average	
9/16/2005	14:34:31	47.35	185.46	7.53	12.67	
9/16/2005	14:34:46	46.37	183.12	7.57	12.71	
9/16/2005	14:35:01	45.47	213.49	7.47	12.81	
9/16/2005	14:35:16	45.08	242.44	7.47	12.73	
9/16/2005	14:35:31	44.76	234.27	7.54	12.69	
9/16/2005	14:35:46	44.49	220.63	7.56	12.64	
9/16/2005	14:36:01	37.50	189.60	7.35	12.44	
9/16/2005	14:36:16	17.78	120.20	7.41	12.15	
9/16/2005	14:36:31	5.95	47.17	6.50	13.98	
9/16/2005	14:36:46	2.33	13.94	6.01	14.30	
9/16/2005	14:37:01	1.70	2.51	5.96	14.32	
9/16/2005	14:37:16	1.68	-0.09	5.95	14.33	
9/16/2005	14:37:31	1.50	-0.07	5.95	14.33	
9/16/2005	14:37:46	1.50	-0.07	5.95	14.33	
9/16/2005	14:38:01	1.49	-0.05	<b>5.95</b>	<b>14.33</b>	5.95 O2, 14.06 CO2
9/16/2005	14:38:16	1.48	-0.05	5.95	14.33	
9/16/2005	14:38:31	1.32	-0.06	5.95	14.34	
9/16/2005	14:38:46	1.31	-0.05	5.94	14.34	
9/16/2005	14:39:01	1.31	3.93	5.94	13.70	
9/16/2005	14:39:16	1.31	99.66	4.15	5.06	
9/16/2005	14:39:31	1.33	352.99	0.82	0.65	
9/16/2005	14:39:46	1.32	543.59	0.06	0.16	
9/16/2005	14:40:01	1.32	623.06	-0.01	0.11	
9/16/2005	14:40:16	1.16	632.82	-0.01	0.09	
9/16/2005	14:40:31	1.12	635.74	-0.02	0.08	
9/16/2005	14:40:46	1.12	636.53	-0.02	0.07	
9/16/2005	14:41:01	1.12	636.18	-0.02	0.06	
9/16/2005	14:41:16	1.12	635.88	-0.03	0.05	
9/16/2005	14:41:31	1.13	635.84	-0.03	0.05	
9/16/2005	14:41:46	1.12	<b>635.81</b>	-0.04	0.04	633.1 CO
9/16/2005	14:42:01	1.12	635.81	<b>-0.04</b>	<b>0.03</b>	ZERO O2, CO2
9/16/2005	14:42:16	1.12	635.81	-0.04	0.04	
9/16/2005	14:42:31	1.04	589.98	0.33	4.92	
9/16/2005	14:42:46	1.11	366.02	3.87	12.73	
9/16/2005	14:43:01	1.11	146.51	5.66	14.12	
9/16/2005	14:43:16	0.93	35.64	5.90	14.23	
9/16/2005	14:43:31	<b>0.91</b>	6.11	5.92	14.26	ZERO NOx
9/16/2005	14:43:46	0.90	-0.08	5.92	14.28	
9/16/2005	14:44:01	0.91	<b>-0.08</b>	5.92	14.29	ZERO CO
9/16/2005	14:44:16	0.91	-0.09	5.92	14.30	
9/16/2005	14:44:31	0.92	-0.11	5.92	14.30	
9/16/2005	14:44:46	0.91	-0.12	5.92	14.31	
9/16/2005	14:45:01	0.90	-0.09	5.92	14.31	
9/16/2005	14:45:16	0.91	-0.08	5.92	14.31	
9/16/2005	14:45:31	0.91	-0.08	6.48	10.97	
9/16/2005	14:45:46	0.91	-0.05	8.65	5.91	

SHUT DOWN DATA LOGGER TOO SOON

Date	Time	Ch1	Ch 2	Ch 5	Ch 6
		TECO	TECO	SERVO	SERVO
		42H NOx	48H CO	O2	CO2
		PPMD	PPMD	%D	%D

AIR CONSULTING AND ENGINEERING, INC.  
 2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

Date	Time	Ch1	Ch 2	Ch 5	Ch 6	
		TECO	TECO	SERVO	SERVO	
		42H NOx	48H CO	O2	CO2	
		PPMD	PPMD	%D	%D	
		Average	Average	Average	Average	
		Average	Average	Average	Average	
9/16/2005	14:47:20	1.16	2.47	18.18	7.01	
9/16/2005	14:47:35	4.20	3.54	7.32	5.22	
9/16/2005	14:47:50	51.36	4.58	1.31	0.66	
9/16/2005	14:48:05	74.60	3.49	0.13	0.10	
9/16/2005	14:48:20	80.42	2.49	0.01	0.06	
9/16/2005	14:48:35	80.57	2.48	0.00	0.05	
9/16/2005	14:48:50	80.74	2.46	-0.01	0.03	
9/16/2005	14:49:05	80.74	2.45	-0.02	0.02	
9/16/2005	14:49:20	<b>80.73</b>	2.46	-0.02	0.01	82.86 NOx
9/16/2005	14:49:35	80.73	2.43	-0.03	0.01	
9/16/2005	14:49:50	80.73	2.42	-0.02	0.01	

**APPENDIX E**

**BOILER OPERATION DATA**

## Boiler 8 - CEMS Data During Compliance Test on 9/16/2005

Run 1: 0944-1050	O2%	NOx ppm	NOx ppm @7% O2	NOx lb/mmBtu	NOx lb/hr	CO ppm	CO ppm @7% O2	CO lb/mmBtu	CO lb/hr	Wet O2%	Stack Flow dscfm	Stack Flow acfm
8:44	7.85	49.47	52.69	0.117	48.62	231.92	247.03	0.334	138.75	5.85	137,208	258,741
8:45	8.08	48.30	52.37	0.114	47.62	207.91	225.43	0.298	124.76	6.04	137,623	256,096
8:46	Bkflsh	Bkflsh	Bkflsh	Bkflsh	Bkflsh	Bkflsh	Bkflsh	Bkflsh	Bkflsh	Bkflsh	180,258	251,508
8:47	7.97	51.39	55.25	0.120	50.35	284.44	305.78	0.404	169.63	5.92	136,776	257,890
8:48	7.89	51.14	54.64	0.119	49.83	272.7	291.36	0.387	161.73	5.89	136,018	253,041
8:49	8.08	49.86	54.06	0.118	49.24	334.5	362.68	0.483	201.09	6.05	137,871	256,524
8:50	8.14	49.63	54.06	0.119	49.72	320.91	349.58	0.468	195.68	6.12	139,849	260,238
8:51	8.11	48.55	52.76	0.113	47.03	264.24	287.17	0.373	155.80	6.02	135,225	255,070
8:52	8.38	46.18	51.27	0.110	45.71	331.3	367.82	0.478	199.63	6.29	138,193	257,158
8:53	8.33	45.55	50.37	0.107	44.37	325.71	360.17	0.465	193.14	6.09	135,998	260,007
8:54	8.19	42.01	45.94	0.101	41.54	325.55	356.03	0.476	195.95	6.14	138,046	256,815
8:55	8.57	43.63	49.19	0.106	43.15	409.33	461.45	0.607	246.39	6.36	138,054	260,335
8:56	8.86	49.38	57.01	0.121	48.43	557.23	643.31	0.831	332.64	6.52	136,910	258,142
8:57	8.94	51.20	59.51	0.126	50.16	454.81	528.58	0.683	271.20	6.64	136,757	257,855
8:58	8.88	51.32	59.35	0.125	49.49	370.41	428.34	0.550	217.43	6.56	134,624	253,729
8:59	9.04	51.92	60.85	0.129	50.38	412.66	483.64	0.625	243.72	6.72	135,453	255,395
9:00	9.10	53.65	63.20	0.140	54.59	545.25	642.29	0.866	337.73	6.81	142,058	264,242
9:01	8.60	53.39	60.34	0.133	52.33	576.16	651.11	0.871	343.74	6.20	136,829	265,156
9:02	7.59	45.62	47.64	0.114	45.47	345.32	360.63	0.523	209.50	5.51	139,141	265,943
9:03	7.26	40.43	41.20	0.099	40.45	250.15	254.92	0.373	152.34	5.29	139,668	266,914
9:04	7.28	40.72	41.56	0.102	42.34	243.38	248.38	0.372	154.04	5.46	145,156	269,894
9:05	7.38	44.69	45.95	0.109	45.84	223.75	230.04	0.333	139.69	5.46	143,182	269,821
9:06	7.41	44.50	45.85	0.106	45.28	216.19	222.76	0.315	133.91	5.49	142,054	267,624
9:07	7.17	44.42	44.97	0.107	45.87	203.19	205.71	0.298	127.71	5.34	144,149	271,645
9:08	7.23	45.59	46.36	0.106	46.07	219.78	223.48	0.311	135.17	5.32	141,057	265,819
9:09	6.96	46.35	46.22	0.108	47.19	264.62	263.86	0.374	164.00	5.16	142,141	267,823
9:10	6.81	44.60	44.00	0.103	45.52	266.68	263.08	0.375	165.67	5.11	142,476	264,876
9:11	6.69	43.35	42.40	0.100	44.58	310.91	304.13	0.438	194.61	5.01	143,559	266,962
9:12	6.56	42.07	40.78	0.095	42.74	297.85	288.71	0.411	184.17	4.90	141,811	263,712
9:13	6.66	41.87	40.87	0.094	42.32	265.68	259.34	0.362	163.44	4.95	141,090	265,916
9:14	6.82	43.91	43.35	0.097	44.03	248.81	245.63	0.336	151.86	5.13	139,980	260,271
9:15	7.34	46.34	47.50	0.105	47.07	296.75	304.19	0.409	183.48	5.65	141,805	256,746
9:16	7.92	54.84	58.73	0.122	54.07	522.91	559.97	0.708	313.80	5.98	137,631	255,869
9:17	8.02	54.11	58.40	0.120	52.70	632.03	682.08	0.853	374.67	5.92	135,956	256,241
9:18	7.80	51.85	55.02	0.116	50.50	646.72	686.21	0.877	383.40	5.82	135,963	252,939
9:19	7.69	49.71	52.31	0.112	48.68	774.12	814.55	1.060	461.48	5.71	136,721	257,786
9:20	7.74	48.96	51.71	0.112	48.64	765.49	808.53	1.070	462.91	5.83	138,691	258,014
9:21	7.77	49.56	52.47	0.113	49.45	735.54	778.68	1.025	446.71	5.76	139,286	262,730
9:22	6.99	45.92	45.89	0.102	45.16	482.83	482.48	0.653	289.06	5.01	137,303	266,291
9:23	6.47	38.55	37.13	0.089	39.87	387.4	373.17	0.545	243.88	4.83	144,380	268,817
9:24	7.05	43.12	43.28	0.097	43.60	281.61	282.63	0.387	173.30	5.35	141,141	259,292
9:25	8.07	50.66	54.88	0.113	49.60	489.2	530.00	0.662	291.54	6.12	136,680	251,030
9:26	8.17	51.88	56.65	0.114	49.46	738.79	806.69	0.989	428.70	6.10	133,083	247,682
9:27	8.26	50.54	55.58	0.113	48.65	753.43	828.53	1.027	441.49	6.16	134,391	250,185
9:28	8.20	49.65	54.34	0.110	46.73	1011.95	1107.57	1.364	579.78	5.98	131,400	251,386
9:29	7.93	48.54	52.02	0.114	48.51	938.85	1006.17	1.346	571.07	5.89	139,502	263,315
9:30	8.12	50.87	55.33	0.120	50.99	821.02	892.97	1.182	500.90	5.99	139,922	264,181
9:31	7.33	49.15	50.35	0.112	48.11	655.47	671.41	0.909	390.50	5.23	136,634	268,945

Run 1: 0944-1050	O2%	NOx ppm	NOx ppm @7% O2	NOx lb/mmBtu	NOx lb/hr	CO ppm	CO ppm @7% O2	CO lb/mmBtu	CO lb/hr	Wet O2%	Stack Flow dscfm	Stack Flow acfm
9:32	6.62	40.48	39.40	0.095	41.45	452.86	440.81	0.647	282.29	4.85	142,964	273,696
9:33	6.85	36.79	36.40	0.087	38.54	275	272.06	0.395	175.34	5.23	146,229	268,822
9:34	7.20	46.77	47.45	0.107	47.47	225.55	228.84	0.313	139.36	5.38	141,705	264,051
9:35	7.17	47.67	48.26	0.107	47.31	284.56	288.08	0.389	171.92	5.40	138,560	258,190
9:36	7.93	51.15	54.82	0.119	51.96	430.33	461.19	0.607	266.10	6.05	141,817	260,783
9:37	8.08	56.70	61.48	0.130	56.53	588.5	638.08	0.820	357.17	5.99	139,192	262,908
9:38	7.98	54.55	58.69	0.125	54.06	691.7	744.17	0.964	417.26	5.94	138,350	261,389
9:39	7.78	55.12	58.40	0.125	53.68	720.54	763.38	0.990	427.10	5.81	135,943	253,383
9:40	7.63	52.62	55.12	0.118	50.72	792.08	829.68	1.076	464.69	5.64	134,551	254,211
9:41	7.38	50.26	51.67	0.114	49.63	799.63	822.10	1.108	480.65	5.42	137,859	264,100
9:42	7.43	48.71	50.26	0.110	47.76	860.16	887.62	1.183	513.39	5.53	136,885	258,726
9:43	7.52	49.83	51.77	0.111	48.03	782.39	812.80	1.061	459.00	5.56	134,551	254,349
9:44	7.64	48.96	51.32	0.111	47.70	852.64	893.79	1.174	505.60	5.71	135,997	253,690
9:45	7.67	50.35	52.90	0.117	50.06	874.43	918.71	1.232	529.16	5.73	138,786	258,962
9:46	7.75	49.33	52.14	0.114	48.70	989.02	1045.43	1.387	594.33	5.75	137,820	260,635
9:47	7.62	49.25	51.55	0.114	49.08	986.52	1032.58	1.391	598.44	5.65	139,125	263,175
9:48	7.32	47.20	48.31	0.106	45.60	756.95	774.79	1.037	445.11	5.37	134,862	258,605
9:49	8.24	49.07	53.88	0.114	48.68	531.38	583.43	0.752	320.90	6.34	138,503	251,653
9:50	8.73	55.62	63.53	0.127	53.46	526.63	601.49	0.730	308.12	6.58	134,185	250,343
Maximum	9.10	56.70	63.53	0.140	56.53	1011.95	1107.57	1.391	598.44	6.81	180,258	273,696
Minimum	6.47	36.79	36.40	0.087	38.54	203.19	205.71	0.298	124.76	4.83	131,400	247,682
Average	7.73	48.17	51.11	0.112	47.76	499.04	530.57	0.702	299.97	5.75	139,218	260,124

## Boiler 8 - CEMS Data

Run 1: 0944-1050	Steam Pressure	Steam Temp °F	Steam Production klb/hr	Heat Input mmBtu/hr	Stack Moisture %	Stack Temp °F	Stack Pressure Inches H2O	Oil Flow gal/hr	UREA Injection gal/hr
8:44	636.27	738.0	228.86	416.1	25.48	276.8	0.48	ERR	11.3
8:45	636.62	740.1	229.98	418.5	25.25	276.9	0.48	ERR	11.3
8:46	637.46	742.5	229.69	418.4	0.00	276.7	0.46	ERR	11.7
8:47	637.39	744.8	230.15	419.7	25.72	276.7	0.48	ERR	14.3
8:48	636.26	746.3	228.90	417.7	25.35	276.7	0.47	ERR	16.5
8:49	634.46	746.8	228.16	416.5	25.12	276.8	0.48	ERR	16.7
8:50	634.25	747.2	228.88	417.9	24.82	276.9	0.49	ERR	16.2
8:51	633.71	746.9	228.85	417.8	25.77	277.0	0.47	ERR	15.5
8:52	631.04	745.1	228.72	417.4	24.94	276.9	0.48	ERR	14.2
8:53	628.81	742.8	227.81	415.3	26.89	276.9	0.49	ERR	12.6
8:54	624.02	740.0	225.89	411.4	25.03	276.7	0.48	ERR	11.9
8:55	617.74	737.2	223.23	406.0	25.79	276.8	0.49	ERR	11.1
8:56	612.92	735.5	220.24	400.2	26.41	276.7	0.49	ERR	10.8
8:57	608.82	734.3	218.58	397.0	25.73	276.7	0.48	ERR	11.4
8:58	604.62	733.8	217.75	395.4	26.13	276.4	0.47	ERR	11.5
8:59	599.84	734.1	214.80	390.2	25.66	276.7	0.47	ERR	11.1
9:00	595.84	735.1	214.46	390.0	25.16	276.6	0.51	ERR	11.5
9:01	597.29	738.8	216.65	394.6	27.91	276.7	0.51	ERR	12.2
9:02	602.59	744.8	219.25	400.4	27.40	276.7	0.52	ERR	12.6
9:03	610.31	752.3	222.78	408.1	27.13	276.6	0.52	ERR	12.3
9:04	617.48	761.4	225.09	414.3	25.00	276.3	0.53	ERR	11.5
9:05	622.50	767.5	227.45	419.9	26.02	276.3	0.53	ERR	11.3
9:06	628.70	770.8	230.14	425.4	25.91	276.1	0.52	ERR	11.3
9:07	635.65	772.0	231.94	428.7	25.52	276.3	0.53	ERR	10.9
9:08	643.55	771.0	235.55	434.9	26.42	276.3	0.52	ERR	11.0
9:09	651.92	769.4	237.84	438.6	25.86	276.2	0.52	ERR	11.1
9:10	659.40	767.0	239.75	441.5	24.96	276.2	0.51	ERR	11.3
9:11	666.35	765.1	241.78	444.6	25.11	276.4	0.52	ERR	11.0
9:12	673.72	763.7	244.02	448.1	25.30	276.4	0.51	ERR	11.4
9:13	680.19	762.1	246.26	451.6	25.68	276.4	0.51	ERR	10.8
9:14	683.94	760.4	246.79	452.0	24.78	276.3	0.49	ERR	11.3
9:15	682.51	758.1	245.37	449.0	23.02	276.1	0.48	ERR	11.3
9:16	678.09	754.0	242.63	443.2	24.49	276.2	0.47	ERR	11.3
9:17	674.87	749.5	241.10	439.3	26.18	276.4	0.48	ERR	11.5
9:18	672.41	745.2	240.57	437.3	25.38	276.7	0.47	ERR	11.6
9:19	670.47	742.3	239.80	435.3	25.75	276.7	0.48	ERR	11.2
9:20	668.19	741.2	238.45	432.6	24.68	276.7	0.48	ERR	10.6
9:21	668.29	741.5	240.29	436.0	25.87	277.0	0.50	ERR	10.9
9:22	674.54	744.6	243.77	442.7	28.33	277.3	0.52	ERR	11.1
9:23	681.37	749.7	246.10	447.9	25.35	277.3	0.53	ERR	11.1
9:24	681.05	753.8	245.66	448.3	24.11	277.2	0.49	ERR	11.4
9:25	673.83	753.2	241.40	440.7	24.16	277.0	0.46	ERR	11.4
9:26	665.56	748.8	238.06	433.6	25.34	277.0	0.45	ERR	11.3
9:27	659.12	743.1	236.65	429.7	25.42	277.2	0.46	ERR	11.6
9:28	655.12	737.3	234.79	425.1	27.07	277.4	0.46	ERR	11.0
9:29	651.74	734.6	234.54	424.2	25.73	277.5	0.50	ERR	11.1
9:30	650.48	734.9	234.25	423.8	26.23	277.7	0.51	ERR	11.3
9:31	655.21	739.2	237.07	429.6	28.65	277.9	0.52	ERR	11.0

Run 1: 0944-1050	Steam Pressure	Steam Temp °F	Steam Production klb/hr	Heat Input mmBtu/hr	Stack Moisture %	Stack Temp °F	Stack Pressure Inches H2O	Oil Flow gal/hr	UREA Injection gal/hr
9:32	662.44	745.4	240.04	436.1	26.74	277.9	0.54	ERR	11.5
9:33	670.55	753.5	243.41	443.9	23.65	277.7	0.52	ERR	11.4
9:34	674.63	758.4	243.56	445.4	25.28	277.9	0.51	ERR	10.9
9:35	673.55	760.3	241.39	441.9	24.69	277.9	0.48	ERR	10.6
9:36	669.61	757.8	239.81	438.5	23.71	277.9	0.49	ERR	11.2
9:37	666.83	753.2	238.68	435.4	25.87	278.0	0.50	ERR	11.2
9:38	665.79	748.3	237.99	432.9	25.56	278.2	0.49	ERR	11.0
9:39	665.12	745.3	237.47	431.3	25.32	278.1	0.47	ERR	10.7
9:40	665.27	744.0	237.86	431.8	26.08	278.2	0.47	ERR	11.1
9:41	664.90	744.7	238.96	434.0	26.56	278.4	0.50	ERR	10.7
9:42	663.68	746.1	238.62	433.9	25.57	278.5	0.48	ERR	11.1
9:43	662.48	747.2	237.79	432.7	26.06	278.6	0.47	ERR	11.6
9:44	660.62	747.3	236.52	430.5	25.26	278.7	0.47	ERR	11.4
9:45	658.90	746.8	236.00	429.6	25.29	278.9	0.49	ERR	11.1
9:46	657.33	746.1	235.54	428.6	25.81	278.9	0.49	ERR	11.3
9:47	657.65	745.7	236.49	430.1	25.85	279.1	0.50	ERR	11.4
9:48	658.22	745.7	236.19	429.4	26.64	279.1	0.48	ERR	10.9
9:49	654.41	744.5	234.69	426.6	23.06	278.7	0.46	ERR	11.1
9:50	649.05	741.4	232.39	421.9	24.63	278.8	0.45	ERR	10.8
Maximum	683.94	772.0	246.79	452.0	28.65	279.1	0.54		16.7
Minimum	595.84	733.8	214.46	390.0	0.00	276.1	0.45		10.6
Average	649.96	748.5	234.24	427.2	25.22	277.2	0.49		11.7



Boiler 8 - CEMS Data During Compliance Test on 9/16/2005

Run 2: 1149-1253	O2%	NOx ppm	NOx ppm @7% O2	NOx lb/mmBtu	NOx lb/hr	CO ppm	CO ppm @7% O2	CO lb/mmBtu	CO lb/hr	Wet O2%	Stack Flow dscfm	Stack Flow acfm
10:49	9.06	51.06	59.94	0.118	49.12	354.09	415.70	0.497	207.35	6.92	134,300	247,863
10:50	8.71	51.07	58.23	0.117	48.74	337.37	384.70	0.471	195.98	6.60	133,228	245,884
10:51	8.46	48.04	53.68	0.111	46.10	414.64	463.30	0.583	242.21	6.52	133,974	244,017
10:52	8.50	48.00	53.81	0.110	45.95	360.65	404.28	0.503	210.17	6.46	133,650	246,597
10:53	8.09	47.11	51.12	0.109	45.82	391.8	425.14	0.553	231.98	6.11	135,790	253,955
10:54	7.91	44.24	47.34	0.104	43.90	347.15	371.47	0.495	209.69	6.03	138,530	255,671
10:55	7.63	42.96	45.00	0.100	42.73	416.6	436.38	0.591	252.23	5.83	138,858	256,275
10:56	7.86	42.20	44.98	0.097	41.35	435.44	464.16	0.609	259.69	5.98	136,779	252,438
10:57	7.81	40.96	43.49	0.096	41.24	447.52	475.21	0.641	274.25	6.04	140,548	256,025
10:58	8.05	41.71	45.12	0.097	41.48	400.58	433.31	0.566	242.48	6.15	138,830	256,258
10:59	8.24	45.01	49.42	0.101	43.02	347.54	381.58	0.473	202.18	6.25	133,422	246,044
11:00	8.10	44.20	48.00	0.103	44.05	412.37	447.81	0.585	250.18	6.20	139,141	256,624
11:01	8.08	42.62	46.21	0.098	42.07	363.31	393.92	0.509	218.27	6.19	137,788	250,794
11:02	8.00	43.44	46.81	0.100	42.86	407.36	438.94	0.573	244.62	6.06	137,723	253,941
11:03	7.96	44.08	47.35	0.102	43.17	384.65	413.19	0.539	229.31	6.05	136,727	252,070
11:04	8.04	43.84	47.39	0.100	42.75	390.19	421.75	0.542	231.58	6.15	136,114	250,839
11:05	7.94	42.74	45.84	0.099	42.45	412.37	442.28	0.584	249.33	6.12	138,671	252,265
11:06	7.99	40.88	44.01	0.092	39.21	504.1	542.76	0.690	294.33	6.08	133,907	246,771
11:07	7.98	40.57	43.65	0.091	38.84	520.41	559.88	0.712	303.24	6.13	133,638	243,045
11:08	8.35	41.39	45.84	0.095	40.18	465.83	515.94	0.650	275.24	6.43	135,508	246,479
11:09	8.66	43.84	49.79	0.102	42.81	431.27	489.76	0.609	256.34	6.71	136,317	248,017
11:10	8.82	45.88	52.79	0.105	43.75	474.11	545.54	0.659	275.18	6.75	133,116	245,346
11:11	8.82	46.53	53.54	0.109	45.19	513.26	590.59	0.730	303.40	6.72	135,571	249,872
11:12	8.68	44.99	51.18	0.103	42.82	460.36	523.65	0.643	266.71	6.63	132,873	244,832
11:13	8.66	44.29	50.30	0.102	42.38	433.58	492.38	0.609	252.55	6.65	133,586	242,949
11:14	8.47	44.11	49.33	0.103	42.66	357.45	399.72	0.509	210.45	6.50	135,024	245,631
11:15	8.55	42.48	47.81	0.102	41.98	342.22	385.17	0.498	205.86	6.63	137,964	251,013
11:16	8.76	44.79	51.28	0.104	42.94	326.86	374.25	0.463	190.72	6.74	133,820	243,473
11:17	8.75	45.54	52.10	0.109	45.04	326.12	373.09	0.477	196.34	6.79	138,080	247,970
11:18	8.85	46.21	53.30	0.110	45.19	357.2	412.04	0.518	212.65	6.79	136,533	248,309
11:19	8.76	44.61	51.08	0.107	43.89	382.9	438.41	0.557	229.28	6.76	137,334	249,765
11:20	8.69	44.13	50.24	0.104	42.72	389.76	443.71	0.557	229.67	6.60	135,144	249,085
11:21	8.54	43.51	48.93	0.103	42.54	372.03	418.38	0.538	221.40	6.55	136,488	248,261
11:22	8.71	44.93	51.23	0.107	44.00	340.39	388.14	0.492	202.91	6.69	136,712	248,566
11:23	8.65	45.70	51.86	0.108	44.50	337.81	383.31	0.484	200.23	6.68	135,942	247,100
11:24	8.70	46.01	52.42	0.108	44.68	320.81	365.51	0.458	189.63	6.70	135,563	246,379
11:25	8.67	44.93	51.07	0.105	43.27	380.26	432.18	0.541	222.90	6.62	134,437	247,480
11:26	8.80	43.52	49.99	0.104	42.76	447.72	514.32	0.653	267.79	6.78	137,176	249,276
11:27	8.81	43.85	50.41	0.106	43.92	439.31	505.08	0.647	267.85	6.70	139,836	257,453
11:28	8.30	46.64	51.45	0.111	46.29	317.25	349.98	0.460	191.65	6.32	138,545	255,041
11:29	8.03	46.58	50.31	0.110	45.89	332.54	359.15	0.479	199.43	6.07	137,544	253,199
11:30	7.97	42.98	46.20	0.103	42.98	410.35	441.13	0.596	249.77	6.05	139,597	256,944
11:31	8.06	41.06	44.45	0.099	41.58	442.95	479.52	0.649	273.02	6.07	141,359	263,621
11:32	8.02	41.42	44.70	0.097	41.10	470.06	507.29	0.671	283.89	6.04	138,513	258,277
11:33	7.91	42.64	45.63	0.100	42.68	407.89	436.46	0.582	248.54	6.01	139,745	257,146
11:34	8.02	44.57	48.10	0.105	45.18	282.94	305.35	0.407	174.59	6.17	141,521	256,928
11:35	8.15	46.79	51.01	0.111	47.51	319.8	348.64	0.461	197.67	6.28	141,760	257,362
11:36	8.07	45.22	48.99	0.106	45.66	368.61	399.35	0.528	226.57	6.12	140,971	259,262

Run 2: 1149-1253	O2%	NOx ppm	NOx ppm @7% O2	NOx lb/mmBtu	NOx lb/hr	CO ppm	CO ppm @7% O2	CO lb/mmBtu	CO lb/hr	Wet O2%	Stack Flow dscfm	Stack Flow acfm
11:37	8.02	42.34	45.69	0.098	42.24	377.33	407.21	0.533	229.11	6.07	139,259	256,078
11:38	7.95	41.43	44.47	0.095	41.07	394.95	423.92	0.554	238.32	5.98	138,394	257,881
11:39	8.00	40.33	43.46	0.093	39.85	440.65	474.81	0.618	265.03	6.06	137,938	253,546
11:40	8.20	41.34	45.25	0.097	40.93	455.34	498.36	0.647	274.38	6.29	138,201	250,697
11:41	8.82	43.72	50.31	0.103	43.15	383.08	440.80	0.547	230.13	6.82	137,778	249,929
11:42	9.19	46.05	54.66	0.109	45.53	457.04	542.52	0.659	275.03	7.04	138,012	250,387
11:43	8.96	44.44	51.74	0.104	43.35	529.06	615.91	0.753	314.17	6.70	136,190	253,602
11:44	8.34	41.65	46.09	0.096	40.27	482.67	534.17	0.676	284.08	6.25	134,985	251,495
11:45	8.07	40.20	43.55	0.095	39.92	415.09	449.71	0.596	250.88	6.21	138,615	251,515
11:46	8.27	43.88	48.29	0.103	43.34	322.89	355.36	0.460	194.13	6.33	137,886	253,450
11:47	8.19	46.73	51.11	0.110	46.53	270.32	295.63	0.387	163.84	6.32	139,002	252,252
11:48	8.20	47.94	52.47	0.111	47.00	279.06	305.43	0.393	166.55	6.30	136,877	248,396
11:49	8.26	46.24	50.85	0.107	45.51	315.1	346.51	0.445	188.75	6.37	137,384	249,350
11:50	8.23	45.30	49.70	0.106	45.37	334.33	366.79	0.476	203.80	6.32	139,803	253,740
11:51	8.08	46.91	50.86	0.108	46.66	276.55	299.85	0.389	167.45	6.23	138,866	252,040
11:52	8.30	48.58	53.59	0.112	48.40	249.89	275.67	0.350	151.55	6.41	139,091	252,482
11:53	8.36	46.95	52.04	0.105	45.35	261.72	290.10	0.355	153.89	6.40	134,853	244,790
Maximum	9.19	51.07	59.94	0.118	49.12	529.06	615.91	0.753	314.17	7.04	141,760	263,621
Minimum	7.63	40.20	43.46	0.091	38.84	249.89	275.67	0.350	151.55	5.83	132,873	242,949
Average	8.34	44.43	49.24	0.104	43.62	386.84	428.56	0.549	231.11	6.38	137,097	251,139

## Boiler 8 - CEMS Data

Run 2: 1149-1253	Steam Pressure	Steam Temp °F	Steam Production klb/hr	Heat Input mmBtu/hr	Stack Moisture %	Stack Temp °F	Stack Pressure Inches H2O	Oil Flow gal/hr	UREA Injection gal/hr
10:49	646.13	737.3	230.41	417.1	23.62	280.6	0.44	ERR	10.9
10:50	644.48	737.8	229.67	415.9	24.23	280.6	0.44	ERR	11.2
10:51	642.11	739.6	229.38	415.8	22.93	280.5	0.43	ERR	11.3
10:52	641.57	742.4	230.27	418.0	24.00	280.4	0.44	ERR	10.9
10:53	643.14	746.6	230.78	419.8	24.47	280.6	0.46	ERR	11.6
10:54	646.01	751.3	232.30	423.5	23.77	280.6	0.47	ERR	11.1
10:55	648.75	756.6	233.41	426.6	23.59	280.6	0.47	ERR	11.2
10:56	650.53	760.1	232.95	426.5	23.92	280.6	0.46	ERR	11.4
10:57	651.06	760.7	233.67	427.9	22.66	280.6	0.47	ERR	11.3
10:58	652.21	759.8	233.90	428.1	23.60	280.7	0.47	ERR	11.3
10:59	653.34	757.7	234.07	427.9	24.15	280.0	0.44	ERR	11.4
11:00	654.34	754.4	234.22	427.5	23.46	280.1	0.47	ERR	11.0
11:01	656.00	751.0	235.27	428.6	23.39	280.0	0.46	ERR	11.4
11:02	658.06	748.6	234.56	426.8	24.25	279.9	0.47	ERR	11.2
11:03	659.98	747.6	234.00	425.5	23.99	279.8	0.46	ERR	11.2
11:04	660.78	747.0	235.25	427.7	23.51	279.5	0.45	ERR	10.9
11:05	661.29	746.3	234.98	427.0	22.92	279.6	0.46	ERR	11.2
11:06	661.31	745.4	234.87	426.6	23.90	279.5	0.44	ERR	11.1
11:07	659.72	743.6	234.78	426.1	23.18	279.4	0.43	ERR	11.3
11:08	657.21	741.4	233.60	423.5	22.99	279.5	0.44	ERR	11.5
11:09	653.77	738.8	232.63	421.3	22.52	279.7	0.44	ERR	11.4
11:10	648.96	736.1	230.75	417.5	23.47	279.6	0.43	ERR	11.3
11:11	645.26	734.1	229.87	415.5	23.81	279.6	0.45	ERR	10.9
11:12	642.34	732.9	229.54	414.7	23.62	279.4	0.43	ERR	11.1
11:13	640.67	733.5	229.41	414.6	23.21	279.4	0.43	ERR	11.5
11:14	639.20	735.4	228.34	413.1	23.26	279.6	0.44	ERR	11.4
11:15	637.26	738.3	228.11	413.4	22.46	279.7	0.45	ERR	11.2
11:16	635.59	741.3	226.78	411.7	23.06	279.7	0.43	ERR	11.4
11:17	633.57	744.0	226.53	411.8	22.40	279.6	0.45	ERR	11.4
11:18	631.76	746.1	225.66	410.7	23.28	279.4	0.45	ERR	11.1
11:19	630.64	747.7	226.13	411.9	22.83	279.4	0.45	ERR	11.1
11:20	630.54	749.3	226.11	412.2	24.05	279.6	0.45	ERR	11.5
11:21	630.71	750.6	225.71	411.7	23.30	279.5	0.45	ERR	11.3
11:22	631.21	751.7	226.11	412.7	23.19	279.2	0.45	ERR	11.8
11:23	631.14	752.3	226.58	413.7	22.77	279.0	0.44	ERR	11.3
11:24	631.28	752.6	226.74	414.0	22.99	278.9	0.44	ERR	11.0
11:25	630.55	752.4	225.70	412.1	23.64	278.7	0.44	ERR	11.1
11:26	629.51	751.1	224.85	410.3	22.95	278.8	0.45	ERR	10.8
11:27	632.28	750.7	226.83	413.8	23.95	278.8	0.48	ERR	11.0
11:28	636.43	752.0	228.28	416.6	23.86	278.7	0.47	ERR	11.0
11:29	639.60	754.0	227.98	416.4	24.41	278.7	0.47	ERR	11.2
11:30	640.92	755.1	229.12	418.8	24.09	278.6	0.48	ERR	11.4
11:31	642.80	755.8	230.23	420.9	24.69	278.5	0.50	ERR	11.2
11:32	646.36	756.4	231.55	423.3	24.69	278.4	0.48	ERR	11.4
11:33	650.86	757.1	233.55	427.0	24.02	278.4	0.48	ERR	11.5
11:34	653.76	757.1	234.41	428.5	23.07	278.1	0.48	ERR	11.5
11:35	655.42	756.2	234.82	429.1	22.94	278.1	0.48	ERR	11.4
11:36	656.81	755.3	235.15	429.5	24.16	278.0	0.49	ERR	11.3

Run 2: 1149-1253	Steam Pressure	Steam Temp °F	Steam Production klb/hr	Heat Input mmBtu/hr	Stack Moisture %	Stack Temp °F	Stack Pressure Inches H2O	Oil Flow gal/hr	UREA Injection gal/hr
11:37	658.38	754.5	235.56	430.0	24.31	277.9	0.48	ERR	11.5
11:38	659.50	753.8	235.98	430.5	24.78	277.9	0.48	ERR	11.5
11:39	659.60	753.0	235.30	429.2	24.25	277.6	0.47	ERR	11.3
11:40	657.36	751.3	232.70	424.1	23.29	277.5	0.46	ERR	11.0
11:41	653.57	748.0	231.41	421.1	22.68	277.5	0.45	ERR	11.2
11:42	648.50	743.3	229.78	417.3	23.39	277.6	0.46	ERR	11.0
11:43	646.40	739.9	230.13	417.2	25.22	277.4	0.47	ERR	11.1
11:44	646.68	738.5	232.01	420.3	25.06	277.8	0.46	ERR	11.0
11:45	647.26	739.2	232.34	421.0	23.05	277.7	0.46	ERR	10.6
11:46	648.79	741.5	232.88	422.4	23.46	277.6	0.46	ERR	11.2
11:47	650.27	744.8	233.14	423.6	22.83	277.8	0.46	ERR	11.1
11:48	651.32	747.9	232.83	423.8	23.17	277.8	0.45	ERR	11.4
11:49	651.72	750.0	232.84	424.2	22.88	277.9	0.45	ERR	11.4
11:50	654.29	751.5	234.89	428.2	23.21	277.9	0.47	ERR	11.5
11:51	656.59	752.6	236.12	430.6	22.90	277.9	0.46	ERR	11.7
11:52	658.08	752.6	237.59	433.2	22.77	278.0	0.46	ERR	11.0
11:53	658.49	751.6	237.73	433.3	23.44	278.0	0.44	ERR	11.1
Maximum	661.31	760.7	237.73	433.3	25.22	280.7	0.50		11.8
Minimum	629.51	732.9	224.85	410.3	22.40	277.4	0.43		10.6
Average	647.14	748.1	231.43	421.3	23.54	279.0	0.46		11.2

Boiler 8 - CEMS Data During Compliance Test on 9/16/2005

Run 3: 1327-1433	O2%	NOx ppm	NOx ppm @7% O2	NOx lb/mmBtu	NOx lb/hr	CO ppm	CO ppm @7% O2	CO lb/mmBtu	CO lb/hr	Wet O2%	Stack Flow dscfm	Stack Flow acfm
12:27	8.05	46.30	50.08	0.106	45.40	179.37	194.03	0.249	107.06	6.12	136,893	251,831
12:28	8.16	46.80	51.06	0.109	46.93	163.89	178.81	0.232	100.03	6.21	139,985	257,517
12:29	7.88	47.63	50.85	0.111	47.72	193.78	206.88	0.274	118.17	5.93	139,856	260,710
12:30	7.78	46.45	49.21	0.109	47.22	191.27	202.64	0.274	118.35	5.94	141,910	261,023
12:31	7.91	46.04	49.27	0.105	45.28	224.13	239.83	0.312	134.17	6.03	137,290	252,492
12:32	7.96	45.20	48.55	0.104	44.65	218.96	235.20	0.306	131.67	6.03	137,910	253,598
12:33	7.96	43.14	46.34	0.100	43.01	211.62	227.32	0.299	128.42	5.96	139,178	259,341
12:34	8.03	43.44	46.92	0.101	43.35	223.82	241.73	0.316	135.96	6.08	139,314	256,180
12:35	8.11	44.73	48.61	0.103	44.38	210.6	228.88	0.295	127.20	6.17	138,520	254,685
12:36	8.04	44.88	48.51	0.104	44.63	215.23	232.64	0.303	130.27	6.13	138,811	255,221
12:37	8.29	45.91	50.61	0.109	46.53	173.71	191.48	0.251	107.17	6.31	141,492	260,219
12:38	8.14	46.06	50.18	0.108	45.85	185.13	201.67	0.264	112.18	6.15	138,973	259,065
12:39	8.31	46.37	51.19	0.105	44.64	202.86	223.97	0.280	118.86	6.20	134,381	250,404
12:40	7.97	47.32	50.87	0.113	47.89	226.8	243.81	0.330	139.72	6.12	141,283	256,426
12:41	8.07	47.12	51.05	0.108	46.24	213.86	231.70	0.300	127.75	6.01	136,996	258,795
12:42	7.57	46.13	48.10	0.109	46.57	273.62	285.32	0.393	168.14	5.74	140,933	259,263
12:43	7.68	46.68	49.08	0.110	46.94	202.44	212.85	0.290	123.90	5.86	140,372	258,159
12:44	8.19	46.32	50.66	0.112	47.70	225.04	246.11	0.331	141.06	6.27	143,754	260,947
12:45	8.24	46.46	51.01	0.107	45.72	213.47	234.38	0.300	127.87	6.09	137,374	259,511
12:46	7.96	44.46	47.76	0.102	43.43	226.44	243.24	0.315	134.63	5.90	136,361	257,561
12:47	7.43	43.18	44.56	0.098	41.92	272.51	281.21	0.376	161.04	5.59	135,535	252,484
12:48	7.72	44.63	47.07	0.104	45.03	230.37	242.95	0.328	141.49	5.91	140,860	258,952
12:49	7.77	47.66	50.45	0.109	47.46	169.93	179.90	0.238	103.01	5.87	139,029	258,960
12:50	7.62	47.65	49.87	0.109	47.14	187.14	195.88	0.260	112.70	5.78	138,120	253,881
12:51	7.65	46.73	49.02	0.107	46.62	196.75	206.40	0.275	119.48	5.79	139,268	256,061
12:52	7.50	44.76	46.43	0.102	44.28	223.02	231.34	0.310	134.31	5.69	138,119	254,016
12:53	7.72	45.01	47.47	0.103	45.02	191.63	202.10	0.267	116.68	5.86	139,645	256,857
12:54	7.59	45.52	47.54	0.105	45.92	182.63	190.73	0.255	112.15	5.81	140,841	258,988
12:55	7.58	46.58	48.61	0.109	47.45	206.17	215.15	0.292	127.84	5.80	142,216	261,622
12:56	7.79	45.15	47.87	0.102	44.33	206.41	218.85	0.283	123.37	5.93	137,073	252,162
12:57	8.02	44.62	48.15	0.100	43.42	220.56	238.03	0.301	130.65	6.05	135,858	253,224
12:58	7.89	44.22	47.25	0.101	43.38	207.65	221.86	0.289	124.01	6.00	136,966	251,896
12:59	7.90	44.85	47.96	0.102	43.79	217.6	232.66	0.302	129.33	5.98	136,308	250,788
13:00	7.91	44.47	47.59	0.105	45.20	233.75	250.13	0.337	144.63	6.04	141,899	261,111
13:01	7.90	44.60	47.69	0.102	43.79	229.28	245.15	0.318	137.03	5.95	137,071	255,624
13:02	7.80	44.75	47.48	0.105	45.12	246.55	261.61	0.351	151.32	5.97	140,765	259,059
13:03	7.96	46.81	50.28	0.109	47.28	214.62	230.54	0.305	131.95	6.04	140,998	259,487
13:04	7.90	45.78	48.95	0.106	45.81	239.12	255.67	0.338	145.64	6.00	139,690	257,045
13:05	7.94	45.14	48.41	0.104	44.77	249.15	267.22	0.349	150.40	6.04	138,445	254,755
13:06	7.84	45.22	48.13	0.103	44.74	286.31	304.73	0.399	172.41	5.95	138,108	254,169
13:07	8.04	43.59	47.12	0.100	43.25	246.12	266.02	0.345	148.66	6.12	138,527	254,940
13:08	8.21	45.40	49.73	0.105	44.98	199.41	218.42	0.280	120.26	6.24	138,309	254,538
13:09	8.32	45.71	50.51	0.103	44.15	197.23	217.93	0.271	115.95	6.30	134,835	248,146
13:10	8.62	46.71	52.87	0.109	45.73	187.86	212.64	0.266	111.96	6.69	136,684	244,999
13:11	9.20	48.06	57.10	0.112	46.40	225.48	267.88	0.318	132.50	7.04	134,774	247,898
13:12	9.31	46.38	55.62	0.108	44.50	286.68	343.82	0.407	167.41	7.08	133,928	246,409
13:13	9.22	44.72	53.22	0.104	42.21	312.08	371.40	0.440	179.32	6.98	131,779	242,488
13:14	9.03	44.44	52.04	0.105	42.40	275.27	322.35	0.395	159.86	6.83	133,188	245,114

Run 3: 1327-1433	O2%	NOx ppm	NOx ppm @7% O2	NOx lb/mmBtu	NOx lb/hr	CO ppm	CO ppm @7% O2	CO lb/mmBtu	CO lb/hr	Wet O2%	Stack Flow dscfm	Stack Flow acfm
13:15	8.87	45.11	52.12	0.107	43.58	240.92	278.37	0.349	141.69	6.72	134,879	248,327
13:16	8.46	46.48	51.94	0.109	44.42	159.28	177.97	0.228	92.65	6.41	133,408	245,552
13:17	8.32	47.10	52.04	0.111	45.42	158.27	174.88	0.227	92.90	6.29	134,622	247,752
13:18	8.29	45.50	50.15	0.112	45.77	193.78	213.60	0.290	118.65	6.33	140,425	258,467
13:19	8.44	44.75	49.92	0.109	44.38	206.13	229.95	0.304	124.42	6.42	138,436	254,772
13:20	8.47	44.53	49.80	0.106	43.20	199.12	222.67	0.288	117.57	6.37	135,416	252,503
13:21	8.54	46.16	51.91	0.111	45.25	201.85	227.00	0.295	120.44	6.49	136,848	251,781
13:22	8.30	45.94	50.68	0.110	45.16	194.29	214.34	0.284	116.27	6.26	137,244	255,981
13:23	8.29	45.62	50.29	0.108	44.36	235.29	259.36	0.338	139.25	6.25	135,731	253,125
13:24	8.13	45.89	49.95	0.111	45.57	195.49	212.79	0.287	118.17	6.26	138,630	251,815
13:25	8.65	46.54	52.81	0.111	45.73	239.5	271.76	0.349	143.25	6.52	137,180	255,827
13:26	8.42	45.03	50.15	0.112	46.02	219.47	244.44	0.333	136.53	6.40	142,673	262,570
13:27	8.53	46.03	51.72	0.111	45.43	223.1	250.69	0.327	134.02	6.39	137,768	256,923
13:28	8.23	45.31	49.71	0.108	44.68	222.92	244.56	0.323	133.80	6.16	137,657	256,717
13:29	7.57	45.07	47.00	0.104	43.62	269.4	280.92	0.379	158.70	5.62	135,106	255,363
13:30	7.41	44.12	45.46	0.104	43.77	257.94	265.78	0.370	155.78	5.64	138,509	254,906
13:31	7.32	44.51	45.56	0.103	43.76	369.52	378.23	0.521	221.16	5.58	137,262	252,543
13:32	7.60	43.80	45.78	0.105	44.49	261.63	273.43	0.381	161.78	5.86	141,814	257,599
13:33	7.63	46.22	48.41	0.111	47.32	211.93	221.99	0.309	132.07	5.81	142,926	263,072
Maximum	9.31	48.06	57.10	0.113	47.89	369.52	378.23	0.521	221.16	7.08	143,754	263,072
Minimum	7.32	43.14	44.56	0.098	41.92	158.27	174.88	0.227	92.65	5.58	131,779	242,488
Average	8.08	45.57	49.47	0.106	45.11	220.55	239.37	0.313	132.79	6.12	138,163	254,988

## Boiler 8 - CEMS Data

Run 3: 1327-1433	Steam Pressure	Steam Temp °F	Steam Production klb/hr	Heat Input mmBtu/hr	Stack Moisture %	Stack Temp °F	Stack Pressure Inches H2O	Oil Flow gal/hr	UREA Injection gal/hr
12:27	662.38	750.6	235.57	429.5	23.98	278.2	0.46	ERR	11.3
12:28	663.65	747.2	236.54	430.5	23.90	278.2	0.48	ERR	11.3
12:29	665.78	745.1	237.29	431.3	24.75	278.2	0.49	ERR	11.2
12:30	666.81	744.0	237.60	431.6	23.65	278.1	0.49	ERR	11.2
12:31	666.91	743.1	236.91	430.2	23.77	278.0	0.46	ERR	10.5
12:32	666.24	742.2	237.23	430.5	24.25	277.9	0.47	ERR	11.1
12:33	666.39	741.4	236.77	429.4	25.13	277.9	0.49	ERR	11.2
12:34	665.93	741.0	237.08	430.0	24.28	277.9	0.48	ERR	11.1
12:35	664.53	740.5	237.45	430.7	23.92	277.8	0.47	ERR	11.0
12:36	662.44	739.9	237.01	429.9	23.76	277.8	0.47	ERR	10.7
12:37	660.22	739.1	235.41	427.0	23.88	278.0	0.49	ERR	11.1
12:38	657.29	738.6	234.13	424.7	24.45	278.2	0.48	ERR	10.8
12:39	655.64	738.7	234.21	424.9	25.39	277.9	0.46	ERR	10.9
12:40	653.78	739.1	233.46	423.8	23.21	277.9	0.48	ERR	11.7
12:41	655.35	740.8	234.77	426.4	25.53	278.1	0.48	ERR	11.2
12:42	657.84	743.6	235.55	428.3	24.17	278.2	0.49	ERR	11.3
12:43	656.85	746.3	234.74	427.4	23.70	278.0	0.48	ERR	10.9
12:44	654.03	747.7	234.17	426.8	23.44	278.0	0.50	ERR	11.7
12:45	652.06	748.0	233.81	426.2	26.09	278.1	0.49	ERR	11.6
12:46	653.64	747.9	234.52	427.3	25.88	278.0	0.48	ERR	11.3
12:47	656.55	748.5	235.23	428.6	24.76	277.7	0.46	ERR	11.4
12:48	658.79	748.9	237.01	431.9	23.45	277.7	0.48	ERR	11.4
12:49	662.31	749.7	237.98	433.8	24.45	277.6	0.48	ERR	11.0
12:50	664.65	750.2	237.88	433.6	24.15	277.6	0.47	ERR	11.1
12:51	666.81	750.4	238.06	434.0	24.31	277.8	0.48	ERR	11.2
12:52	668.17	749.9	237.62	433.0	24.13	278.0	0.47	ERR	10.9
12:53	670.49	748.7	240.41	437.7	24.09	278.1	0.48	ERR	11.1
12:54	673.50	747.6	241.40	439.1	23.45	277.9	0.48	ERR	11.3
12:55	674.19	746.3	240.59	437.4	23.48	278.2	0.49	ERR	11.0
12:56	672.28	744.4	240.00	436.0	23.88	278.2	0.46	ERR	10.9
12:57	670.65	742.1	239.07	433.8	24.56	278.1	0.46	ERR	11.1
12:58	670.15	739.6	237.05	429.5	23.95	278.0	0.46	ERR	10.6
12:59	670.20	738.3	236.40	428.0	24.30	278.3	0.46	ERR	11.2
13:00	669.52	737.7	237.07	429.1	23.64	278.4	0.49	ERR	10.8
13:01	669.71	738.6	237.79	430.6	24.68	278.5	0.47	ERR	11.0
13:02	669.65	740.0	237.71	430.7	23.46	278.5	0.48	ERR	11.2
13:03	670.19	741.7	238.86	433.2	24.12	278.5	0.49	ERR	11.2
13:04	669.88	743.3	237.62	431.3	24.05	278.4	0.48	ERR	11.2
13:05	669.71	744.5	237.32	431.0	23.93	278.4	0.47	ERR	11.4
13:06	668.67	745.0	238.20	432.7	24.11	278.5	0.47	ERR	10.8
13:07	667.32	744.9	237.13	430.8	23.88	278.5	0.47	ERR	10.8
13:08	665.45	744.2	236.50	429.5	24.00	278.5	0.47	ERR	11.0
13:09	663.13	743.3	235.39	427.5	24.28	278.5	0.45	ERR	11.0
13:10	657.10	740.8	232.22	421.4	22.39	278.2	0.44	ERR	11.2
13:11	649.80	737.2	229.51	416.1	23.48	278.1	0.44	ERR	11.5
13:12	642.22	733.2	227.18	411.2	23.95	278.3	0.44	ERR	11.3
13:13	636.53	730.6	225.56	408.0	24.30	278.4	0.43	ERR	11.1
13:14	631.85	729.3	223.91	404.9	24.36	278.5	0.44	ERR	11.3

Run 3: 1327-1433	Steam Pressure	Steam Temp °F	Steam Production klb/hr	Heat Input mmBtu/hr	Stack Moisture %	Stack Temp °F	Stack Pressure Inches H2O	Oil Flow gal/hr	UREA Injection gal/hr
13:15	630.17	730.8	224.47	406.4	24.24	278.8	0.45	ERR	11.2
13:16	629.37	734.5	223.91	406.4	24.23	278.6	0.44	ERR	11.3
13:17	628.54	739.4	224.94	409.8	24.40	278.5	0.45	ERR	11.5
13:18	626.78	744.8	223.47	408.7	23.64	278.6	0.48	ERR	11.2
13:19	625.29	749.1	223.33	409.2	23.93	278.5	0.47	ERR	11.3
13:20	623.97	753.0	222.42	408.2	24.79	278.4	0.46	ERR	10.9
13:21	624.11	755.2	222.40	408.5	24.00	278.3	0.46	ERR	11.2
13:22	624.98	756.7	222.99	409.7	24.58	278.6	0.47	ERR	10.8
13:23	627.34	757.9	223.86	411.5	24.61	278.5	0.46	ERR	11.1
13:24	627.04	757.6	224.13	411.8	23.00	278.5	0.46	ERR	11.0
13:25	626.83	755.7	223.77	410.8	24.62	278.5	0.47	ERR	10.9
13:26	625.70	753.6	223.49	409.8	23.99	278.5	0.50	ERR	11.1
13:27	625.56	751.4	223.76	409.8	25.09	278.5	0.48	ERR	11.1
13:28	627.85	750.0	226.29	413.9	25.15	278.5	0.48	ERR	10.8
13:29	633.29	750.8	228.90	418.7	25.76	278.5	0.47	ERR	11.2
13:30	639.27	752.6	229.82	420.6	23.89	278.5	0.47	ERR	10.9
13:31	643.79	754.6	231.62	424.2	23.77	278.3	0.46	ERR	11.2
13:32	648.23	755.6	231.60	424.3	22.89	278.5	0.48	ERR	11.4
13:33	653.69	756.2	233.10	426.9	23.85	278.6	0.50	ERR	11.4
Maximum	674.19	757.9	241.40	439.1	26.09	278.8	0.50		11.7
Minimum	623.97	729.3	222.40	404.9	22.39	277.6	0.43		10.5
Average	653.42	745.1	233.03	424.2	24.17	278.2	0.47		11.1

Note: CEMS computer is on Eastern Standard Time without Daylight Savings. Therefore, the CEMS computer is one hour behind actual time.



**APPENDIX F**

**QUALITY ASSURANCE**

**DRY GAS METER CALIBRATION STANDARD**

**Air Consulting and Engineering, Inc. (ACE) uses a Precision Scientific model 63123 wet test meter (Serial Number PS 001105) as its dry gas meter calibration standard.**

**The wet test meter has a one cubic foot per revolution capacity and is verified by water displacement annually. The latest verification occurred September 19, 2005.**

# AIR CONSULTING AND ENGINEERING, INC.

# WET TEST METER ANNUAL CALIBRATION

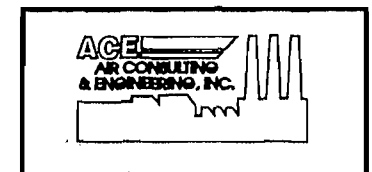
DATE 9-19-05 CALIBRATED BY C. RESHARD WET TEST METER SERIAL NUMBER PSC01105  
 RANGE OF WET TEST METER FLOW RATE 0-120 (l/min) VOLUME OF TEST FLASK 28.32 (V<sub>s</sub>) SATISFACTORY LEAK CHECK?   
 Ambient Temperature of Equilibrate Liquid In Wet Test Meter and Reservoir 58 (Deg. F)

TEST NUMBER	FINAL VOLUME (V <sub>f</sub> ), (l)	INITIAL VOLUME (V <sub>i</sub> ), (l)	TOTAL VOLUME (V <sub>m</sub> ), <sup>b</sup> (l)	FLASK VOLUME (V <sub>s</sub> ), (l)	PERCENT ERROR, c %
1	28.28	0	28.28	28.32	-0.14
2	28.30	0	28.30	28.32	-0.07
3	28.31	0	28.31	28.32	-0.08

**CALCULATIONS:**

<sup>b</sup>  $V_m = V_f - V_i$

<sup>c</sup> % Error =  $100 (V_m - V_s) / V_s = \underline{-0.08}$  (+/- 1%)



WET TEST METER CALIBRATION

<u>TEST #</u>	<u>FINAL V</u> (VF) (L)	<u>INIT V</u> (VI) (L)	<u>TOTAL V</u> (VM) (L)	<u>FLASK V</u> (VS) (L)	<u>% ERROR</u> (+or - 1%)
1	28.28	0	28.28	28.32	-0.14
2	28.30	0	28.30	28.32	-0.07
3	28.31	0	28.31	28.32	-0.04
AVG.	28.30	0	28.30	28.32	-0.08

CALCULATIONS:

$$VM = VF - VI$$

$$\% \text{ ERROR} = 100 (VM - VS) / VS \quad (+ \text{ OR } - 1 \%)$$

VF- VOLUME FINAL

VI - VOLUME INITIAL

VM - VOLUME METER

VS - VOLUME FLASK

$$\% \text{ ERROR RANGE} = 28.03 - 28.60$$

# AIR CONSULTING AND ENGINEERING, INC.

# ANNUAL METER CALIBRATION

DATE 1-17-05 CALIBRATED BY C. RESHARD LEAK CHECK 0.00 CFM at 15 ("Hg)

METER BOX NUMBER 1 BAROMETRIC PRESSURE (" Hg) 30.09

DRY GAS METER TEMPERATURE (F) 72 ASTM GLASS THERMOMETER TEMPERATURE (F) 72

HS	AVERAGE HD	GAS VOLUME, WET TEST METER			GAS VOLUME, DRY GAS METER			TEMP. WET METER (F)	TEMP. DRY METER (F)	TIME (MIIN)	TIMER (MIN)
		INITIAL	FINAL	ACTUAL (FT3)	INITIAL	FINAL	ACTUAL (FT3)				
-0.39	2.0	1.984	7.489	5.505	669.556	675.141	5.585	52	72	7	7
-0.31	1.5	8.186	13.708	5.522	675.853	681.456	5.603	52	72	8	8
-0.55	3.0	14.641	20.445	5.804	682.416	688.506	6.090	52	73	6	6
-0.24	1.0	21.068	26.210	5.142	689.158	694.576	5.418	52	74	9	9
-0.64	4.0	27.278	32.880	5.602	695.697	701.607	5.910	52	75	5	5
-0.22	0.5	33.319	38.670	5.351	702.086	707.724	5.638	52	75	13	13

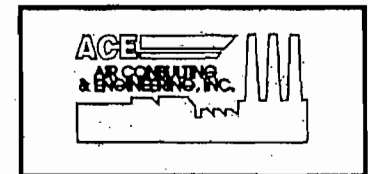
### RESULTS

DELTA H@	SCFM	Y
1.6793	0.8153	1.0192
1.6349	0.7156	1.0203
1.6617	1.0029	0.9849
1.5849	0.5923	0.9874
1.6454	1.1616	0.9809
1.5239	0.4267	0.9905
MEAN: 1.6217		0.9972

ACCEPTABLE?  YES /  NO (CIRCLE)

INITIALS SLN

DATE 1/17/05



# AIR CONSULTING AND ENGINEERING, INC.

# POST TEST CALIBRATION

DATE 9-30-05 CALIBRATED BY C. RESHARD PLANT US. SUGAR-CHEWISTON SOURCE BOILER # 8  
 METER BOX NUMBER 1 PYROMETER NUMBER ATK-1 THERMOCOUPLE NUMBER 73  
 LEAK CHECK 0.00 CFM at 15 ("Hg) THERMOCOUPLE TEMP. 293 (F) / ASTM GLASS THERMOMETER 291 (F)  
 ACE Pb 30.10 ("Hg) / FLIGHT SVCS. Pb 30.10 ("Hg) METER TEMP. 76 (F) / ASTM GLASS THERMOMETER 76 (F)

ΔHS	AVERAGE ΔHD	GAS VOLUME, WET TEST METER			GAS VOLUME, DRY GAS METER			TEMP. WET METER (F)	TEMP. DRY METER (F)	TIME (MIN)	MAX. VACUUM ("Hg)
		INITIAL	FINAL	ACTUAL (FT3)	INITIAL	FINAL	ACTUAL (FT3)				
-0.37	1.6	4.160	9.268	5.108	771.720	777.025	5.305	56	77	7	5
-0.37	1.6	9.268	14.347	5.079	777.025	782.320	5.295	56	78	7	5
-0.37	1.6	14.347	19.435	5.088	782.320	787.618	5.298	56	78	7	5

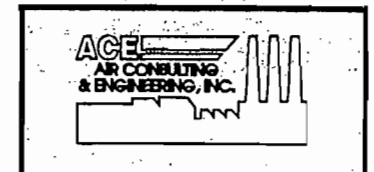
### RESULTS

	DELTA H@	SCFM	Y
	1.6177	0.7440	0.9775
	1.6362	0.7397	0.9738
	1.6273	0.7411	0.9768
MEAN:	1.6271		0.9761

PRE TEST "Y" 0.9972

ACCEPTABLE?  YES / NO (CIRCLE) INITIALS S.F.

DATE 10/3/05



# AIR CONSULTING AND ENGINEERING, INC.

# PITOT TUBE CALIBRATION

DATE CALIBRATED 11-02-04 CALIBRATED BY TF PITOT TUBE NUMBER 73  
 IS PITOT TUBE ASSEMBLY LEVEL  YES / NO (circle) ARE PITOT TUBE OPENINGS DAMAGED YES /  NO (circle)

$\alpha_1 = 2.0^\circ (<10^\circ)$ ,  $\alpha_2 = 1.0^\circ (<10^\circ)$ ,  $\beta_1 = 1.0^\circ (<5^\circ)$ ,  $\beta_2 = 1.0^\circ (<5^\circ)$

$\gamma = 1.0^\circ$   $\theta = 2.5^\circ$   $A = 1.240$  in. =  $(P_a + P_b)$

$z = A \sin \gamma = 0.021$  in.;  $<0.125$  in.

$w = A \sin \theta = 0.027$  in.;  $<0.031$  in.

$P_a = 0.620$  in.  $P_b = 0.620$  in.  $D = 3.75$  in.

Was calibration required? YES /  NO (circle)

## THERMOCOUPLE CALIBRATION

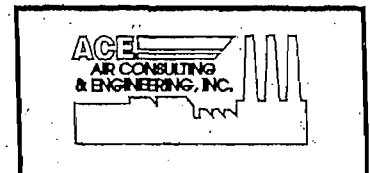
SOURCE (SPECIFY)	GLASS THERMOMETER WITH NBS MERCURY (F)	PYROMETER (F)	DEGREE DIFFERENCE	PERCENT DIFFERENCE
ICE BATH	33	34	1	0.20
AMBIENT	74	75	1	0.19
HOT OVEN	411	413	2	0.23

FDEP - MAXIMUM 5 DEGREE DIFFERENCE

EPA - 
$$\frac{(\text{REF. TEMP. F} + 460) - (\text{PYROMETER TEMP. F} + 460)}{(\text{REF. TEMP. F} + 460)} \times 100 \leq 1.5\%$$

ACCEPTABLE?  YES / NO (CIRCLE) INITIALS P.F.

DATE 11/8/2004



# AIR CONSULTING AND ENGINEERING, INC.

# PYROMETER CALIBRATION

DATE 11/03/04 CALIBRATED BY T.J.F. PYROMETER NUMBER ATK-1

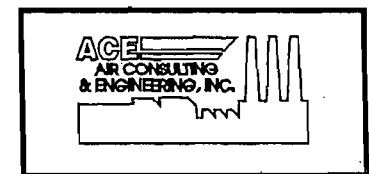
SOURCE (SPECIFY)	GLASS THERMOMETER WITH NBS MERCURY (F)	PYROMETER (F)	DEGREE DIFFERENCE	PERCENT DIFFERENCE
ICE BATH	35	34	0	0.1
AMBIENT	82	82	0	0
HOT OVEN	478	479	1	0.1

FDEP - MAXIMUM 5 DEGREE DIFFERENCE

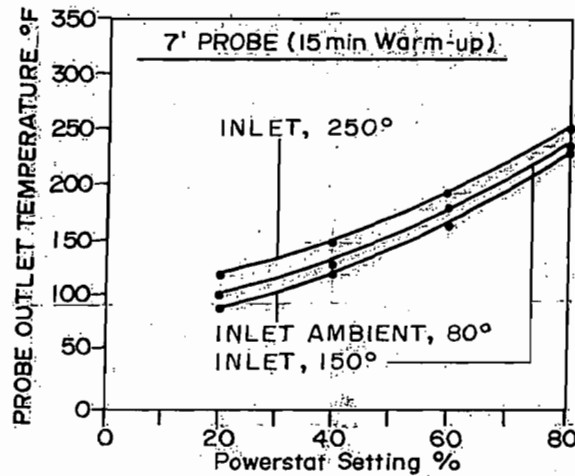
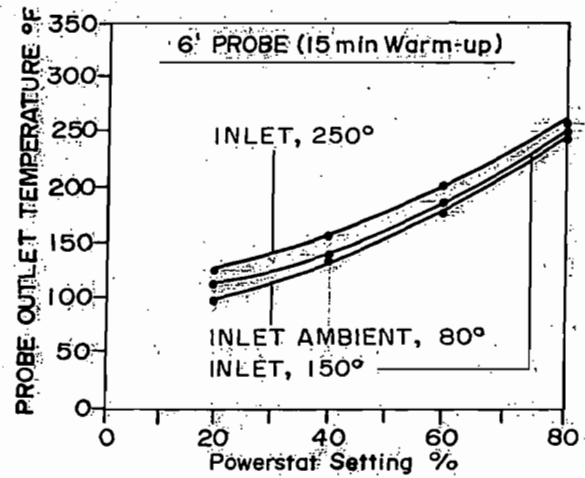
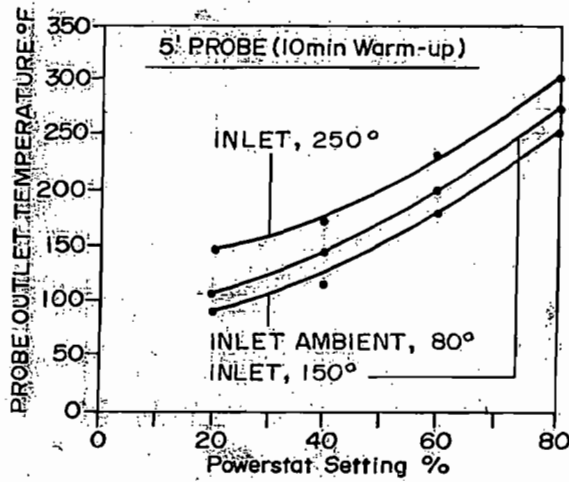
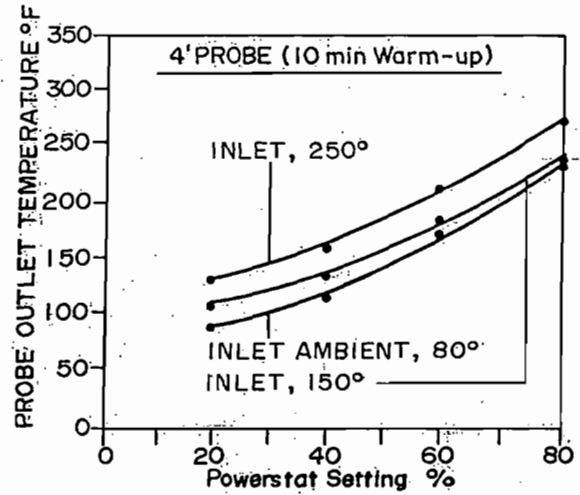
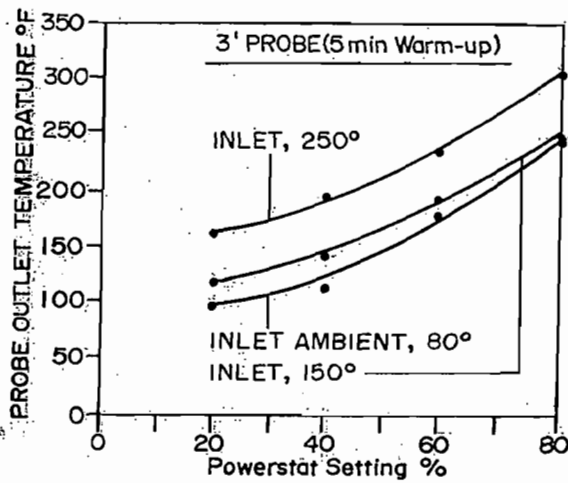
EPA - 
$$\frac{(\text{REF. TEMP. F} + 460) - (\text{PYROMETER TEMP. F} + 460)}{(\text{REF. TEMP. F} + 460)} \times 100 \leq 1.5\%$$

ACCEPTABLE?  YES /  NO (CIRCLE) INITIALS T.J.F.

DATE 11/8/2004







NOTE: Flow rate held constant at 0.75; 50% change in flow rate has little effect on probe temperature.

PROBE GRAPH

AIR CONSULTING  
and  
ENGINEERING



AIR CONSULTING AND ENGINEERING, INC.  
2106 NW 67th Place, Suite 4, Gainesville, Florida 32653

**REFERENCE METHOD INITIAL LINEARITY TEST RECORD**

US SUGAR CORPORATION  
CLEWISTON, FLORIDA  
BOILER 8  
9/16/2005

RELATIVE ACCURACY

RM METHOD: 7E  
GAS I.D. NOx  
CEM: TECO 42H  
RANGE: 100 PPM

RM METHOD: 3A  
GAS I.D. O2  
CEM: SERVOMEX  
RANGE: 25 %

<u>GAS VALUE</u>	<u>RESPONSE</u>	<u>DIFF.</u>	<u>% RANGE</u>
82.86	82.74	-0.12	-0.12
44.9	43.5	-1.4	-1.4
0	0.34	0.34	0.34

<u>GAS VALUE</u>	<u>RESPONSE</u>	<u>DIFF.</u>	<u>% RANGE</u>
20.9	21.06	0.16	0.64
5.92	5.9	-0.02	-0.08
14.01	14.04	0.03	0.12
0	-0.02	-0.02	-0.08

RM METHOD: 10  
GAS I.D. CO  
CEM: TECO 48H  
RANGE: 1000 PPM

RM METHOD: 3A  
GAS I.D. CO2  
CEM: SERVOMEX  
RANGE: 20 PPM

<u>GAS VALUE</u>	<u>RESPONSE</u>	<u>DIFF.</u>	<u>% RANGE</u>
633.1	648.56	15.46	15.46
315.23	2998.24	2683.01	2683.01
0	4.99	4.99	4.99

<u>GAS VALUE</u>	<u>RESPONSE</u>	<u>DIFF.</u>	<u>% RANGE</u>
14.06	14.13	0.07	0.35
5.939	5.95	0.011	0.055
0	0	0	0

## Certificate of Analysis

Date of Analysis: 3/25/2005      Reference Number: 21-110813055-2  
Customer Name:      Part Number: X02NI99C15A1226  
Grade of Product: CERTIFIED  
STANDARD-SPEC

<u>Cylinder Number</u>	<u>Component</u>	<u>Requested Concentration</u>	<u>Actual Concentration</u>
CC127890	CARBON MONOXIDE	300 PPM	315.58 PPM
	NITROGEN	Balance	Balance

Notes:

**Relative Uncertainty of Analytical Value: +/- 2% of component or +/- 5% of component, if less than 50 PPM**

**Product composition verified by direct comparison to calibration standards traceable to NIST weights and/or NIST gas mixture reference materials**

Approval Signature \_\_\_\_\_



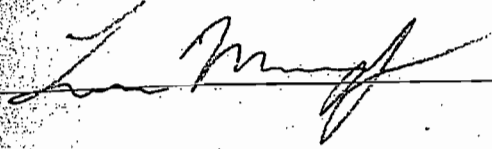
## Certificate of Analysis

Date of Analysis: 2/28/2005  
Reference Number: 21-110798149-1  
Customer Name:  
Part Number: X02N199C15A10X1  
Grade of Product: CERTIFIED  
STANDARD-SPEC

<u>Cylinder Number</u>	<u>Component</u>	<u>Requested Concentration</u>	<u>Actual Concentration</u>
SG9104857	CARBON MONOXIDE	650 PPM	633.099 PPM
	NITROGEN	Balance	Balance

Notes:

Relative Uncertainty of Analytical Value: +/- 2% of component or +/- 5% of component, if less than 50 PPM  
Product composition verified by direct comparison to calibration standards traceable to NIST weights and/or NIST gas mixture reference materials

Approval Signature 

## Certificate of Analysis EPA Protocol Gas Mixture

Cylinder No: SG9135737BAL      Reference Number: 54-ST9635-000  
Cylinder Pressure: 2,013 psig      Expiration Date: 09/23/2005  
Certification Date: 09/23/2003      Laboratory: ASG - Chicago - IL

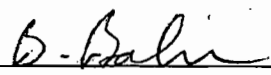
### Certified Concentrations

Component	Concentration	Accuracy	Analytical Principle	Procedure
Nitric Oxide	44.90 PPM	±1%	CHEMIL	G1
Nitrogen	Balance			

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences.

Notes: SG9135737BAL NOX=45.20ppm

Do not use cylinder below 150 psig.

Approved for Release 

### Reference Standard Information

Type	Component	Cyl. Number	Concentration
GMIS	Nitric Oxide	CC123439	50.63 PPM

### Analytical Results

1st Component		Nitric Oxide	
1st Analysis Date: 09/16/2003			
R	21.53 S	19.17 Z	0.0000 Conc 45.08 PPM
S	19.25 Z	0.0000 R	21.61 Conc 45.10 PPM
Z	0.0000 R	21.58 S	19.21 Conc 45.07 PPM
AVG: 45.08 PPM			
2nd Analysis Date: 09/23/2003			
R	21.58 S	19.07 Z	0.0000 Conc 44.62 PPM
S	19.02 Z	0.0000 R	21.54 Conc 44.72 PPM
Z	0.0000 R	21.59 S	19.05 Conc 44.78 PPM
AVG: 44.71 PPM			



# Certificate of Analysis: EPA Protocol Gas Mixture

Airgas Specialty Gases  
 1075 Cinclare Drive  
 Port Allen, LA 70767  
 225.388.0900 Fax: 225.388.0959  
 www.airgas.com

Cylinder Number: CC12750      Reference Number: 83-124030412-5  
 Cylinder Pressure: 1999.6 PSIG      Expiration Date: 3/8/2007  
 Certification Date: 3/8/2005      Laboratory: ASG - Port Allen - LA

## Certified Concentrations

Component	Concentration	Accuracy	Analytical Principle	Procedure
NITRIC OXIDE	82.86 PPM	±1%	FTIR	Gr
NITROGEN	Balance			

Total oxides of nitrogen      83.82 PPM

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences.

Notes: DOW PO# 7866422  
 CU ORDER 644538

Do not use cylinder below 150 psig.

Approval Signature Cheryl Baker

## Reference Standard Information

Type	Balance Gas	Component	Cyl. Number	Concentration
NTRM 81684	NITROGEN	NITRIC OXIDE	XC019184B	98.8 PPM

## Analytical Results

### 1st Component

**NITRIC OXIDE**

1st Analysis Date: 03/01/2005

R 0.704	S 0.607	Z 0.001	Conc 82.96 PPM
S 0.606	Z 0.002	R 0.704	Conc 82.88 PPM
Z 0.001	R 0.704	S 0.605	Conc 82.75 PPM
AVG: 82.86 PPM			

2nd Analysis Date: 03/08/2005

R 0.704	S 0.606	Z -0.002	Conc 82.98 PPM
S 0.606	Z -0.001	R 0.704	Conc 82.93 PPM
Z 0.000	R 0.704	S 0.605	Conc 82.71 PPM
AVG: 82.87 PPM			



# Certificate of Analysis: EPA Protocol Gas Mixture

Airgas Specialty Gases  
 5480 Hamilton Boulevard  
 Theodore, AL 36582  
 251.653.2500 Fax: 251.653.2530  
 www.airgas.com

Cylinder Number: CC17129      Reference Number: 47-124032787-17  
 Cylinder Pressure: 1999.6 PSIG      Expiration Date: 3/28/2008  
 Certification Date: 3/28/2005      Laboratory: ASG - Mobile - AL

## Certified Concentrations

Component	Concentration	Accuracy	Analytical Principle	Procedure
CARBON DIOXIDE	5.939%	±1%	NDIR	GI
OXYGEN	14.01%	±1%	PARAMAGN	GI
NITROGEN	Balance			

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences.

Notes: Airgas PO 110810789

Do not use cylinder below 150 psig.

Approval Signature

## Reference Standard Information

Type	Balance Gas	Component	Cyl. Number	Concentration
NTRM 81675	NITROGEN	CARBON DIOXIDE	SG9169303	13.84 %
NTRM 40301	NITROGEN	OXYGEN	CC9818	20.01 %

## Analytical Results

### 1st Component

### CARBON DIOXIDE

### 2nd Component

### OXYGEN

1st Analysis Date:

03/28/2005

1st Analysis Date:

03/28/2005

R 13.84    S 5.940  
 S 5.940    Z 0.000  
 Z 0.000    R 13.84

Z 0.000    Conc 5.939 %  
 R 13.84    Conc 5.939 %  
 S 5.940    Conc 5.939 %  
 AVG: 5.939 %

R 20.00    S 14.00  
 S 14.00    Z 0.000  
 Z 0.000    R 20.00

Z 0.000    Conc 14.01 %  
 R 20.00    Conc 14.01 %  
 S 14.00    Conc 14.01 %  
 AVG: 14.01 %





# Certificate of Analysis: EPA Protocol Gas Mixture

Airgas Specialty Gases  
5480 Hamilton Boulevard  
Theodore, AL 36582  
251.653.2500 Fax: 251.653.2530  
www.airgas.com

Cylinder Number: CC125117      Reference Number: 47-124032787-18  
Cylinder Pressure: 1999.6 PSIG      Expiration Date: 3/28/2008  
Certification Date: 3/28/2005      Laboratory: ASG - Mobile - AL

## Certified Concentrations

Component	Concentration	Accuracy	Analytical Principle	Procedure
OXYGEN	5.960%	±1.1%	PARAMAGN	G1
CARBON DIOXIDE	14.06%	±1.1%	NDIR	G1
NITROGEN	Balance			

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences.

Notes: Airgas PO 110810789

Do not use cylinder below 150 psig.

Approval Signature

## Reference Standard Information

Type	Balance Gas	Component	Cyl. Number	Concentration
NTRM 81675	NITROGEN	CARBON DIOXIDE	SG9169303	13.84 %
NTRM 82658	NITROGEN	OXYGEN	SG9163062	9.51 %

## Analytical Results

### 1st Component

### OXYGEN

### 2nd Component

### CARBON DIOXIDE

1st Analysis Date:

03/28/2005

1st Analysis Date:

03/28/2005

R 9.510    S 5.960  
S 5.960    Z 0.000  
Z 0.000    R 9.510

Z 0.000    Conc 5.960 %  
R 9.510    Conc 5.960 %  
S 5.960    Conc 5.960 %  
AVG: 5.960 %

R 13.84    S 14.06  
S 14.06    Z 0.000  
Z 0.000    R 13.84

Z 0.000    Conc 14.06 %  
R 13.84    Conc 14.06 %  
S 14.06    Conc 14.06 %  
AVG: 14.06 %

**APPENDIX G**

**FUEL ANALYSIS**

## Wood Chip and Bagasse Analyses Results- Boiler No. 8 Wood Chip Firing Tests- Sep. 16, 2005

Parameter	Units	Wood Chip Analysis Results						Averages
		Run 1: 0944-1050		Run 2: 1149-1253		Run 3: 1327-1433		
		Beginning	End	Beginning	End	Beginning	End	
<u>As Received</u>								
Moisture	%	36.70	34.96	35.16	33.45	34.68	29.24	34.03
Ash	%	3.22	3.93	2.77	2.07	2.95	4.61	3.26
HHV	Btu/lb	5,324	5,172	5,573	5,604	5,315	5,624	5,435
Arsenic	ppm	0.07	0.07	0.09	0.08	0.18	0.11	0.10
Nitrogen	%	0.14	0.28	0.19	0.19	0.19	0.23	0.20
<u>Dry Basis</u>								
Ash	%	5.08	6.04	4.28	3.11	4.52	6.52	4.93
HHV	Btu/lb	8,412	7,952	8,594	8,421	8,136	7,947	8,244
Arsenic	ppm	0.11	0.11	0.13	0.11	0.27	0.16	0.15
Nitrogen	%	0.23	0.42	0.29	0.29	0.29	0.32	0.31
Chromium	ppm	4	3	3	3	14	5	5
Copper	ppm	13.8	47.7	9.2	9.7	9.1	56.8	24.4
<u>Ash Analysis</u>								
Chromium	ppm	80	50	60	85	300	80	109
Copper	ppm	272	789	214	311	201	871	443
Parameter	Units	Bagasse Analysis Results						Averages
		Run 1: 0944-1050		Run 2: 1149-1253		Run 3: 1327-1433		
		Beginning	End	Beginning	End	Beginning	End	
<u>As Received</u>								
Moisture	%	59.46	57.09	57.70	55.16	57.15	60.51	57.85
Ash	%	3.50	2.72	4.52	4.59	5.93	3.69	4.16
HHV	Btu/lb	3,029	3,428	3,269	3,365	3,122	2,981	3,199
Arsenic	ppm	0.05	0.06	0.05	0.05	0.05	0.15	0.07
Nitrogen	%	0.10	0.18	0.26	0.24	0.19	0.20	0.20
<u>Dry Basis</u>								
Ash	%	8.64	6.33	10.68	10.24	13.83	9.36	9.85
HHV	Btu/lb	7,470	7,987	7,729	7,503	7,286	7,549	7,587
Arsenic	ppm	0.12	0.14	0.13	0.11	0.12	0.38	0.17
Nitrogen	%	0.26	0.42	0.61	0.53	0.44	0.50	0.46
Chromium	ppm	8	6	6	8	11	8	8
Copper	ppm	8.6	18.7	26.8	14.8	9.3	13.5	15.3
<u>Ash Analysis</u>								
Chromium	ppm	97	87	60	80	80	84	81
Copper	ppm	99	296	251	145	67	144	167

Note: % = percent

Btu/lb = British thermal unit per pound.

HHV = higher heating value.

**Hazen Research, Inc.**

4601 Indiana Street  
 Golden, CO 80403 USA  
 Tel: (303) 279-4501  
 Fax: (303) 278-1528

Date: Oct. 12, 2005  
 Project No. 009-584  
 Control No. 1141/05  
 Received: 09/27/05  
 PO No.

US Sugar Corporation  
 Jules Stephansky  
 111 Ponce de Leon Avenue  
 Clewiston, Florida 33440

Control No.	Sample I.D.	AS RECEIVED				DRY		
		Moisture %	Ash %	Sulfur %	BTU/lb (HHV)	Ash %	Sulfur %	BTU/lb (HHV)
I141/05-1	R1 Beg Wood 944	36.70	3.22		5324	5.08		8412
I141/05-2	R1 Beg Bag 944	59.46	3.50		3029	8.64		7470
I141/05-3	R1 End Wood 1056	34.96	3.93		5172	6.04		7952
I141/05-4	R1 End Bag 1056	57.09	2.72		3428	6.33		7987
I141/05-5	R2 Beg Wood 1149	35.16	2.77		5573	4.28		8594
I141/05-6	R2 Beg Bag 1149	57.70	4.52		3269	10.68		7729
I141/05-7	R2 End Wood 1253	33.45	2.07		5604	3.11		8421
I141/05-8	R2 End Bag 1253	55.16	4.59		3365	10.24		7503
I141/05-9	R3 Beg Wood 127	34.68	2.95		5315	4.52		8136
I141/05-10	R3 Beg Bag 127	57.15	5.93		3122	13.83		7286
I141/05-11	R3 End Wood 233	29.24	4.61		5624	6.52		7947
I141/05-12	R3 End Bag 233	60.51	3.69		2981	9.36		7549

Note: BTU/lb values are not sulfur corrected.

By: 

Gerard H. Cunningham  
 Fuel Laboratory Manager

**Hazen Research, Inc.**

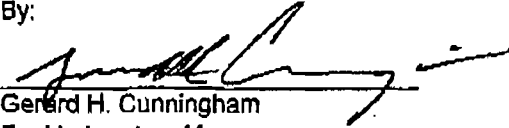
4601 Indiana Street  
 Golden, CO 80403 USA  
 Tel: (303) 279-4501  
 Fax: (303) 278-1528

US Sugar Corporation  
 Jules Stephansky  
 111 Ponce de Leon Avenue  
 Clewiston, Florida 33440

DATE October 12, 2005  
 PROJ. # 009-584  
 CTRL # 1141/05  
 REC'D 09/27/05

Control Number	Sample Identification	As Received Moisture, %	As Received Arsenic, mg/kg	Dry Basis Arsenic, mg/kg
1141/05-1	R1 Beg Wood 944	36.70	0.07	0.11
1141/05-2	R1 Beg Bag 944	59.46	0.05	0.12
1141/05-3	R1 End Wood 1056	34.96	0.07	0.11
1141/05-4	R1 End Bag 1056	57.09	0.06	0.14
1141/05-5	R2 Beg Wood 1149	35.16	0.09	0.13
1141/05-6	R2 Beg Bag 1149	57.70	0.05	0.13
1141/05-7	R2 End Wood 1253	33.45	0.08	0.11
1141/05-8	R2 End Bag 1253	55.16	0.05	0.11
1141/05-9	R3 Beg Wood 127	34.68	0.18	0.27
1141/05-10	R3 Beg Bag 127	57.15	0.05	0.12
1141/05-11	R3 End Wood 233	29.24	0.11	0.16
1141/05-12	R3 End Bag 233	60.51	0.15	0.38

By:

  
 Gerard H. Cunningham  
 Fuel Laboratory Manager

**Hazen Research, Inc.**

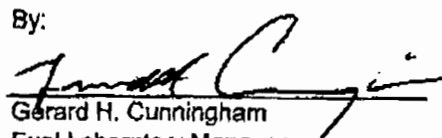
4601 Indiana Street  
 Golden, CO 80403 USA  
 Tel: (303) 279-4501  
 Fax: (303) 278-1528

US Sugar Corporation  
 Jules Stephansky  
 111 Ponce de Leon Avenue  
 Clewiston, Florida 33440

DATE October 12, 2005  
 PROJ. # 009-584  
 CTRL # 1141/05  
 REC'D 09/27/05

Control Number	Sample Identification	As Received Moisture, %	As Received Nitrogen, %	Dry Basis Nitrogen, %
I141/05-1	R1 Beg Wood 944	36.70	0.14	0.23
I141/05-2	R1 Beg Bag 944	59.46	0.10	0.26
I141/05-3	R1 End Wood 1056	34.96	0.28	0.42
I141/05-4	R1 End Bag 1056	57.09	0.18	0.42
I141/05-5	R2 Beg Wood 1149	35.16	0.19	0.29
I141/05-6	R2 Beg Bag 1149	57.70	0.26	0.61
I141/05-7	R2 End Wood 1253	33.45	0.19	0.29
I141/05-8	R2 End Bag 1253	55.16	0.24	0.53
I141/05-9	R3 Beg Wood 127	34.68	0.19	0.29
I141/05-10	R3 Beg Bag 127	57.15	0.19	0.44
I141/05-11	R3 End Wood 233	29.24	0.23	0.32
I141/05-12	R3 End Bag 233	60.51	0.20	0.50

By:

  
 Gerard H. Cunningham  
 Fuel Laboratory Manager



**Hazen Research, Inc.**

4601 Indiana Street  
 Golden, CO 80403 USA  
 Tel: (303) 279-4501  
 Fax: (303) 278-1528

Date: September 30, 2005  
 PROJ. # 009-584  
 CTRL # 128/05  
 REC'D 09/12/05

US Sugar Corporation  
 Jules Stephansky  
 111 Ponce de Leon Avenue  
 Clewiston, Florida 33440

Sample Number	Sample Identification	Dry Fuel Basis, mg/kg		Ash Basis, mg/kg	
		Chromium	Copper	Chromium	Copper
1141/05-1	R1 Beg Wood 944	4	13.8	80	272
1141/05-2	R1 Beg Bag 944	8	8.6	97	99
1141/05-3	R1 End Wood 1056	3	47.7	50	789
1141/05-4	R1 End Bag 1056	6	18.7	87	296
1141/05-5	R2 Beg Wood 1149	3	9.2	60	214
1141/05-6	R2 Beg Bag 1149	6	26.8	60	251
1141/05-7	R2 End Wood 1253	3	9.67	85	311
1141/05-8	R2 End Bag 1253	8	14.8	80	145
1141/05-9	R3 Beg Wood 127	14	9.09	300	201
1141/05-10	R3 Beg Bag 127	11	9.3	80	67
1141/05-11	R3 End Wood 233	5	56.8	80	871
1141/05-12	R3 End Bag 233	8	13.5	84	144

By:   
 Gerard H. Cunningham  
 Fuel Laboratory Manager

The ash was prepared at 600 degrees celsius prior to analysis.  
 \* Not reported.



**APPENDIX H**

**PROJECT PARTICIPANTS**



## **PROJECT PARTICIPANTS**

### Air Consulting and Engineering, Inc.

Charles Sneeringer  
Field Testing

Joshua Gelston  
Field Testing

Sid Carter  
Field Testing

Todd Frasier  
Field Testing

Charles Reshard  
Post Test Calibration

Dagmar Fick  
Report Preparation

Gloria Gagich  
Document Production

### US Sugar Corporation

Don Griffin  
Alan Lester  
Test Coordinators

### Florida Department of Environmental Protection

Wayne Lewis  
Test Observer

P. 1

ACE 